

SAŠO ŠTURM

Curriculum Vitae

Contact information:

Sašo Šturm

Date of birth: 21.10.1972

Nationality: Slovene

Jožef Stefan Institute, Ljubljana, Slovenia

Department for nanostructured materials (<http://nano.ijs.si/>)

TEL: +38614773418

saso.sturm@ijs.si



Current positions:

Research:

2018- Head of the Department for nanostructured materials, Jožef Stefan Institute (JSI)

2020- Head of National Research Program: Nanostructured materials (~ 10 FTE/year)

2017-Director of the CNRS-JSI International Associated Laboratory (Slovenian node)

Teaching activities:

2015- Associate professor at Jozef Stefan International Postgraduate School

2015- Associate professor at University of Ljubljana

Other engagements:

2017- Vice-president of Slovene Society for Microscopy

Education and obtained academic degrees

1991-1998 Faculty for Natural Sciences and Technology, University of Ljubljana

1998-2003 PhD. Faculty for Natural Sciences and Technology, University of Ljubljana

Previous positions

2003 Young Research fellow, IJS, Ljubljana, Slovenia

2003-2005 Post-Doctoral research associate at MPI, Stuttgart, Germany

2005-2011 Research fellow, IJS, Ljubljana, Slovenia

2011- Senior Researcher, IJS, Ljubljana, Slovenia

Professional appointments – research and industry

2013-2016 R&D CDT company, Part time job: Leading researcher in the R&D section of the private company (<http://www.fullsixcarbon.com/>)

2005 Visiting scientist: Graz Centre for Electron Microscopy (1 month), Austria

2002 Visiting scientist: Faculty of engineering, Toyama University (1 month), Japan

2000-2003 Visiting scientist: Tokyo University of Science (1 month), Tokyo, Japan

1998-2003 Visiting scientist: Max-Planck-Institute für Metallforschung (1 month), Stuttgart, Germany

Awards, grants and fellowships

2005 The award of »Best Early Career Scientist«, EDGE 2005, Grundlsee, Austria

2002 JSPS Scholarship: visiting student at Faculty of engineering, Toyama University

2001-2002 Marie-Curie fellowship for the EU-Projekt: "Quantitative TEM of Defects in Materials" at the Max-Planck-Institute für Metallforschung, Stuttgart, Germany

1999 First prize for the best contribution of young researchers at the 7th International Conference on Materials and Technologies in Portorož, 1999, Slovenia

Patents

- D. Verhovšek, T. Gominšek, M Čeh, P. Blagotinšek, **S. Šturm**, K. Žagar. Anatase nanoparticles and a synthesis processes for the production of anatase nanoparticles: SI 23219 (A), 2011-05-31. Ljubljana: Urad Republike Slovenije za intelektualno lastnino, 2011. 20 str., ilustr. [COBISS.SI-ID 23426087]
- D. Verhovšek, T. Gominšek, M Čeh, P. Blagotinšek, **S. Šturm**, K. Žagar. Rutile nanoparticles and a synthesis processes for the production of rutile nanoparticles : SI 23218 (A), 2011-05-31. Ljubljana: Urad Republike Slovenije za intelektualno lastnino, 2011. 19 str., ilustr. [COBISS.SI-ID 23196967]

SAŠO ŠTURM

Curriculum Vitae

European patent application

- XU, Xuan, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. *A method for selective recovery of rare earth elements from Nd-Fe-B magnet scraps based on electrolysis : patentna rijava* 19197716-4-1103. München: European Patent Office, 25. Nov. 2019. [COBISS.SI-ID [33014055](#)]
- XU, Xuan, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. *A method for recovery of Nd₂Fe₁₄B grains from bulk sintered Nd-Fe-B magnets and/or magnet scraps by electrochemical etching : patentna prijava patentna prijava EP 18208508.4.* München: European Patent Office, 27. nov. 2018. [COBISS.SI-ID [32013863](#)]

The involvement in national and EU research project

Project coordination:

a) National research program:

- National Research Program: Nanostructured Materials, (P2-0084), 2020-26, **Head S. Šturm (10.2 FTE/year)**

b) Slovenian Research Agency (basic research projects)

- Quantitative Z-contrast microscopy of functional ceramics, 2004-2006, - **PI (21.752 EUR)**
- Grant for visiting scientist, 2008, - **PI (22.558 EUR)**
- Biosensing systems based on magneto-optical coupled nanomaterials for innovative skin cancer treatment, (J2-6760), 2014-, - **PI (100.170 EUR)**

c) Industrial/applied projects

- Self-cleaning properties and anti-abrasive wear of composite materials based on carbon, para-amides and glass fibers using photocatalytically active and mechanically resistant nanoparticles (U3-KE-K7-109 / 13), 2013-2015, - **PI (44,200 EUR)**
- Development of a new magnetic powder, client: RLS Merilna tehnika d.o.o., (U4-KE-K7-65/18), 2018-19, **Coordinator S. Šturm (60.000 EUR)**
- NextGenHVEC: Advanced materials, technologies and prototypes for cost effective hybrid varistor electronic components with improved thermal stability, client: Kekon d.o.o., (U4-KE-K7-64/18), 2018-19, **Coordinator S. Šturm (72.258 EUR)**

d) International bilateral projects

- High-resolution HRTEM in HAADF-STEM of mixed oxides, **Toyama university**, Japan (2003, visiting scientist, **PI**).
- Correlation of structure and properties of nanostructured perovskites, **Institut Rudjer Bošković**, Croatia (BI-HR/10-11-027), 2010-2011, - **PI**
- Electron energy-loss spectroscopy of boron incorporation in strontium aluminate, **Sabanci University**, Turkey (BI-TR/11-13-007), 2011-2013, - **PI**
- Microstructural investigation of materials for hydrogen storage and correlation with desorption properties, **Vinča Institut of Nuclear Sciences**, Beograd (BI-RS/12-13-017), 2012-2013, - **PI**
- The study of strain in nonstoichiometric perovskites by applying X-ray powder diffraction methods, dilatometry and advanced techniques of electron microscopy, **Middle East Technical University**, Turkey (BI-TR/13-15-001), 2013-2015, - **PI**
- Nucleation and photocatalytic activity of nanoparticles studied in actual liquid environment under transmission electron microscope, **Hokkaido University**, Japan (BI-JP/15-17-001), 2015-2017, - **PI**

e) Active participation in the concluded EU FP7 and Horizon2020 projects:

- FP7-INFRASTRUCTURES: ESTEEM1,2 - Enabling Science and Technology through European Electron Microscopy, (PR-04748), 2006-16
- EU FP7 ROMEO: Replacement and original magnet engineering options, reducing the amounts of heavy rare earths in NdFeB permanent magnets, (PR-04518), 2012-15, **Coordinator S. Kobe**
- FP7-SST.2013-RTD-1: MAG-DRIVE: New permanent magnets for electric-vehicle drive applications, with stronger, less expensive, and more corrosion-resistant magnets for smaller, more efficient and more reliable motors, (PR-05219), 2013-16
- H2020-FoF-2014: REProMag: Resource Efficient Production of Magnets, developing and validating innovative, resource-efficient manufacturing route for rare earth magnets, (PR-06132), 2015-18

SAŠO ŠTURM

Curriculum Vitae

-
- H2020-MSCA-ETN-2015_DEMETER: Training Network for the Design and Recycling of Rare-Earth Permanent Magnet Motors and Generators in Hybrid and Full Electric Vehicles, (PR-06132), 2015-19,

d) Active participation in running international projects:

- ERA.MIN2: Recement (2019-22), H2020-INFRAIA-2018-1: ESTEEM3: Enabling Science and Technology through European Electron Microscopy (2019-22), H2020-SC5-2018-2: SUSMAGPRO (2019-23)

Teaching activities

2015 - associate professor, Nanosciences, at Jožef Stefan International Postgraduate School; Slovenia
Subject (NANO3): Microscopic and microanalysis methods

Subject (NANO2): Spectroscopy and microscopy

2015 - associate professor, Geology, Faculty for Natural Sciences and Technology, Slovenia

Selected Topics within the frame of Technical Mineralogy

Selected Topics within the frame of Materialographic Practicum

2014-2015 invited professor, Faculty of Engineering and Natural Sciences, Sabanci University, Istanbul, Turkey

Lectures: Advanced scanning transmission electron microscopy

2014 - Erasmus Program Coordinator between Jožef Stefan International Postgraduate School and Sabanci University of Turkey

Supervision of graduate students and postdoctoral fellows

M.Sc:

B. Ambrožič, University of Ljubljana, Slovenia, 2015, COBISS.SI-ID [28882215](#)

P. Barber, University of Ljubljana, Slovenia, 2018, COBISS.SI-ID [1452894](#)

M. Kušter, University of Ljubljana, Slovenia 2018, COBISS.SI-ID [1750623](#))

G. Kapun, Jožef Stefan International Postgraduate School (IPS), Slovenia, 2019, COBISS.SI-ID [32770855](#)

PhD:

A. Lenart, University of Ljubljana, Slovenia, 2014, COBISS.SI-ID [28097319](#)

Current mentoring

2014 – PhD Mentor: B. Ambrožič, (Jožef Stefan International Postgraduate School),
estimated PhD defence - 2020

2016 – PhD Mentor: F. Mehmood, (Jožef Stefan International Postgraduate School)
estimated PhD defence - 2021

2018 – PhD mentor: M. Kušter (Jožef Stefan International Postgraduate School)
estimated PhD defence - 2022

Organisation of scientific meetings and member of the editorial board

- Lead organizer of the 1st Slovene microscopy symposium, 2015, 2017,
http://eventgrids.com/events/2015_sdm/, http://eventgrids.com/events/2017_sdm/, COBISS.SI-ID 3463247, COBISS.SI-ID 28015655

- Member of the organising committee and editorial board of 2nd and 3rd Slovene microscopy symposium, 2019, http://eventgrids.com/events/2019_sdm/

Member of the editorial board:

- Journal Geologija (**Geologija** is a central Slovenian geological scientific journal), member of the editorial board 2008-, <http://www.geologija-revija.si/>, [COBISS.SI-ID 5636866]
- AdSTEM 2014, European Workshop on Quantitative STEM Imaging, EELS and EDXS, September 29 - October 03, Piran, Slovenia, [COBISS.SI-ID 28015399]
- SLONANO 2012, 24-26 October 2012, Ljubljana, <http://www.slonano.si/>, [COBISS.SI-ID 3340145]
- AdSTEM2009, Workshop on Quantitative HAADF-STEM imaging and EELS, 11-14 October 2009, Piran, Slovenia, [COBISS.SI-ID 23245607]

Other professional engagement and institutional responsibilities

2013-2017 President of the Slovenian Society for Microscopy

2017- Vice President of the Slovenian Society for Microscopy

- Delegate of the European Microscopy Society (European Microscopy Society, EMS)

- Delegate of the International Federation of Microscopy Associations

SAŠO ŠTURM

Curriculum Vitae

- Appointed representative of Jožef Stefan Institute at EARTO – European Association of Research and Technology Organisations, WG Security & Defence Research

Reviews and evaluation

- Occasional reviewer in international scientific journals (SCI)
- Evaluator and rapporteur in the HORIZON2020

The scientific field of interest and the achievements in electron microscopy

The main research interest of Prof. Šturm is the development and implementation of advanced TEM techniques for materials research, where his core expertise is currently on *in-situ* electron microscopy, including liquid TEM combined with *in-situ* electrochemistry. He has been actively involved in the development and implementation of advanced transmission electron microscopy (TEM) techniques for materials research, with core expertise focused on atomic resolution scanning transmission electron microscopy imaging, electron energy loss spectroscopy and modeling of buried interfaces in functional materials.

As a material scientist he is focused on functional nanomaterials, a pivotal point for innovation in many technologically important fields including theranostics and renewable energy. As a co-director of the International Joint Laboratory between the CNRS and IJS his main research focus is directed towards complex metallic alloys in relation to their final physical properties, with the main emphasis on push-pull alloys, quasicrystals and metallic glasses. In relation to permanent magnet, his research is focused on structure-chemistry characteristics of technologically important bulk permanent magnets, such as Nd-Fe-B magnets. The latter includes, in particular, quantitative atomic resolution investigations of the structure and chemistry of buried interfaces (phase boundaries, grain boundaries, planar defects) in relation to the final functional properties of the analyzed bulk magnets.

In more details, Prof. Šturm in his early years spent a year as a post-doc at the Max-Planck *Institute for Metal Research* in Stuttgart in microscopy group of prof Manfred Rühle, being responsible for research activities in relation to analytical electron microscopy and he had several appointments as a visiting scientist, at Graz Centre for Electron Microscopy, Austria, Faculty of engineering, Toyama University and Tokyo University of Science, where he mastered atomically resolved transmission electron microscopy techniques and spectroscopy, and then introduced these techniques to solve material science problems, resulting in many high-profile publications.

He has trained and supervised many students, teaching electron microscopy as an associate professor at the International Postgraduate School (MPŠ- elected in the field of Nanosciences) and at University of Ljubljana, Faculty for Natural Sciences and Engineering (elected in the field of Geology). Since 2014 he acts as an Erasmus Program Coordinator between MPŠ and Sabanci University, and is a regular lecturer at various international workshops. Prof. Šturm received several prizes during his career in the area of innovative microscopy; *First Prize Award for Young Researchers* at the *7th International Conference on Materials and Technology*, the award of *Best Early Career Scientist* at the EDGE 2005 conference for his work on atomic resolution imaging and EELS analysis, and as a coauthor *Fritz Grasenick 2012* award of the Austrian electron microscopy society in 2012 for the paper contribution "*Advanced nanomechanics in the TEM: Effects of thermal annealing on FIB prepared Cu samples*".

As president of the Slovenian Society for Microscopy (2013-2017 - currently vice president), he initiated regular national microscopy symposia (every two years, third in a role this year), bringing together emerging young researchers and experts applying different microscopic techniques in the fields of life sciences, material science and industry (https://eventgrids.com/events/2019_sdm_en/). He is a member of the Editorial Board of the national geological journal *Geologija*, member of many organizing committees of international workshops and conferences on electron microscopy, member of the European Microscopy Society, and delegate of the International Federation of Societies for Microscopy.

His broad international collaboration, mainly through joint research projects, includes active participation with at least 25 research institutes around the world. He has been actively involved in the European Network for Electron Microscopy since 2006 through the EU-projects *ESTEEM I, II, and III - Enabling Science and Technology through European Electron Microscopy*, which combine TEM centers across Europe. He was responsible for the analytical section of several EU projects including EU FP7 *ROMEO*, H2020-FoF-2014, *REProMag* and H2020-MSCA-ETN-2015 *DEMETER*, and as a PI in seven international bilateral projects. He is a reviewer of several scientific journals and regular evaluator and rapporteur in

SAŠO ŠTURM

Curriculum Vitae

HORIZON2020 programmes.

His track record includes 93 peer-reviewed scientific papers, two national patents, two European patents under review, one chapter in a book, numerous scientific conference contribution abstracts and he has given 18 invited lectures at foreign universities, institutes and workshops as first or leading author. The complete bibliography is attached.

The potential contribution to the aims of the EMS (personal statement).

As a regular member of the Executive Board of EMS I will continue to promote the use and development of advanced microscopy techniques across different disciplines, crossing the boundaries between academia and industry. In fact, this was already set as primeval goal in the 1st Slovene Microscopy Symposium (https://eventgrids.com/events/2015_sdm_en/).

I will propose to intensify the scientific and/or technical contributions from the industrial environments, focusing on end-users and not only on the producers, at the international and national conferences related to microscopy.

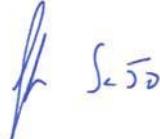
I will promote European extension to multinational and regional conferences, such as MCM and Slovene microscopy conference and continue to be actively involved in the organization of the advanced electron microscopy related workshops.

I will promote microscopy sessions to be added into the regional material science conferences, such as International Conference on Materials and Technology (<https://www.imt.si/en/conferences/26th-international-conference-on-materials-and-technology>). I will promote the dissemination and outreach of EMS at relevant regional conferences and events.

I will encourage former Yugoslavian countries to establish their own national societies for microscopy, like for example Bosnia and Herzegovina, Montenegro and North Macedonia, by promoting this idea within the existing microscopy research groups.

Ljubljana, 12.02.2020

Prof. dr. Sašo Šturm

A handwritten signature in blue ink, appearing to read "S. Šturm".

COBISS Co-operative Online Bibliographic system & services COBISS

Dr. Sašo Šturm [19030]

Personal bibliography for the period 1997-2020

ARTICLES AND OTHER COMPONENT PARTS

1.01 Original scientific article

1. XU, Xuan, ŠTURM, Sašo, SAMARDŽIJA, Zoran, ŠČANČAR, Janez, MARKOVIĆ, Katarina, ŽUŽEK ROŽMAN, Kristina. A facile method for the simultaneous recovery of rare-earth elements and transition metals from Nd-Fe-B magnets. *Green chemistry*, ISSN 1463-9262, [in press] 2020, 11 str., doi: [10.1039/c9gc03325d](https://doi.org/10.1039/c9gc03325d). [COBISS.SI-ID [33069351](#)], [[JCR](#), [SNIP](#)]
2. BOULET, Pascal, ŠTURM, Sašo, DUBOIS, Jean-Marie, et al. Crystalline and electronic structures of the $Al(1+x)V_2Sn_{2-x}$ ($x = 0.19$) intermetallic compound. *Inorganic chemistry*, ISSN 0020-1669. [Print ed.], 2020, vol. 59, no. 1, str. 360-366, doi: [10.1021/acs.inorgchem.9b02545](https://doi.org/10.1021/acs.inorgchem.9b02545). [COBISS.SI-ID [33000743](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 31. 1. 2020: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 11. 1. 2020: no. of citations (TC): 0, pure citations (CI): 0]
3. TOMŠE, Tomaž, SAMARDŽIJA, Zoran, SCHERF, Lavinia, KESSLER, Reto, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo. A spark-plasma-sintering approach to the manufacture of anisotropic Nd-Fe-B permanent magnets. *Journal of Magnetism and Magnetic Materials*, ISSN 0304-8853. [Print ed.], [in press] 2020, str. 11, doi: [10.1016/j.jmmm.2020.166504](https://doi.org/10.1016/j.jmmm.2020.166504). [COBISS.SI-ID [33111335](#)], [[JCR](#), [SNIP](#), [Scopus](#) up to 12. 2. 2020: no. of citations (TC): 0, pure citations (CI): 0]
4. AKMEHMET, Guliz Inan, ŠTURM, Sašo, KOMELJ, Matej, SAMARDŽIJA, Zoran, AMBROŽIČ, Bojan, SEZEN, Meltem, ČEH, Miran, OW-YANG, Cleva. Origin of long afterglow in strontium aluminate phosphors : atomic scale imaging of rare earth dopant clustering. *Ceramics international*, ISSN 0272-8842. [Print ed.], [in press] 2019, 5 str., doi: [10.1016/j.ceramint.2019.06.271](https://doi.org/10.1016/j.ceramint.2019.06.271). [COBISS.SI-ID [32551975](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 18. 10. 2019: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 9. 8. 2019: no. of citations (TC): 0, pure citations (CI): 0]
5. XU, Xuan, ŠTURM, Sašo, ZAVAŠNIK, Janez, ŽUŽEK ROŽMAN, Kristina. Electrodeposition of a rare-earth iron alloy from an ionic-liquid electrolyte. *ChemElectroChem*, ISSN 2196-0216, [in press] 2019, 11 str., doi: [10.1002/celc.201900286](https://doi.org/10.1002/celc.201900286). [COBISS.SI-ID [32238375](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 5. 7. 2019: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 7. 5. 2019: no. of citations (TC): 0, pure citations (CI): 0]
6. AMBROŽIČ, Bojan, PRAŠNIKAR, Anže, HODNIK, Nejc, KOSTEVŠEK, Nina, LIKOZAR, Blaž, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo. Controlling the radical-induced redox chemistry inside a liquid-cell TEM. *Chemical science*, ISSN 2041-6520, 2019, vol. 10, no. 38, str. 8735-8743, doi: [10.1039/c9sc02227a](https://doi.org/10.1039/c9sc02227a). [COBISS.SI-ID [32582439](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 18. 10. 2019: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 9. 11. 2019: no. of citations (TC): 0, pure citations (CI): 0]
7. XU, Xuan, ŠTURM, Sašo, SAMARDŽIJA, Zoran, VIDMAR, Janja, ŠČANČAR, Janez, ŽUŽEK ROŽMAN, Kristina. Direct recycling of Nd-Fe-B magnets based on the recovery of $Nd_2Fe_{14}B$ grains by acid-free electrochemical etching. *ChemSusChem*, ISSN 1864-564X. Online izd., 2019, vol. 12, no. 21, str. 4754-4758, doi: [10.1002/cssc.201902342](https://doi.org/10.1002/cssc.201902342).

[COBISS.SI-ID [33009703](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 12. 1. 2020: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 12. 1. 2020: no. of citations (TC): 0, pure citations (CI): 0]

8. TRAFELA, Špela, ZAVAŠNIK, Janez, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Formation of a $Ni(OH)_2/NiOOH$ active redox couple on nickel nanowires for formaldehyde detection in alkaline medi. *Electrochimica Acta*, ISSN 0013-4686. [Print ed.], [in press] 2019, 25 str., doi: [10.1016/j.electacta.2019.04.060](#). [COBISS.SI-ID [32309543](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 12. 1. 2020: no. of citations (TC): 1, without self-citations (CI): 1, [Scopus](#) up to 29. 12. 2019: no. of citations (TC): 1, pure citations (CI): 1]

9. IKRAM, Awais, MEHMOOD, Muhammad Farhan, PODLOGAR, Matejka, ELDOSOUKY, Anas, MAČEK, Marjeta, TOMŠE, Tomaž, KOBE, Spomenka, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, et al. The sintering mechanism of fully dense and highly coercive Nd-Fe-B magnets from the recycled HDDR powders reprocessed by spark plasma sintering. *Journal of alloys and compounds*, ISSN 0925-8388. [Print ed.], 2019, vol. 774, str. 1195-1206, doi: [10.1016/j.jallcom.2018.09.322](#). [COBISS.SI-ID [31768103](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 9. 2. 2020: no. of citations (TC): 3, without self-citations (CI): 1, [Scopus](#) up to 29. 1. 2020: no. of citations (TC): 3, pure citations (CI): 1]

10. IKRAM, Awais, MEHMOOD, Muhammad Farhan, SHERIDAN, Richard Stuart, AWAIS, Muhammad, WALTON, Allan, ELDOSOUKY, Anas, ŠTURM, Sašo, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Particle size dependent sinterability and magnetic properties of recycled HDDR Nd-Fe-B powders consolidated with spark plasma sintering. *Journal of Rare Earths*, ISSN 1002-0721, [in press] 2019, 10 str., doi: [10.1016/j.jre.2019.02.010](#). [COBISS.SI-ID [32562983](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 13. 12. 2019: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 21. 8. 2019: no. of citations (TC): 0, pure citations (CI): 0]

11. IKRAM, Awais, MEHMOOD, Muhammad Farhan, SAMARDŽIJA, Zoran, SHERIDAN, Richard Stuart, AWAIS, Muhammad, WALTON, Allan, ŠTURM, Sašo, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Coercivity increase of the recycled HDDR Nd-Fe-B powders doped with DyF_3 and processed via spark plasma sintering & the effect of thermal treatment. *Materials*, ISSN 1996-1944, 2019, vol. 12, no. 9, str. 1498-1-1498-17, doi: [10.3390/ma12091498](#). [COBISS.SI-ID [32339239](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 21. 6. 2019: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 8. 6. 2019: no. of citations (TC): 0, pure citations (CI): 0]

12. ELDOSOUKY, Anas, IKRAM, Awais, MEHMOOD, Muhammad Farhan, XU, Xuan, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, ŠKULJ, Irena. Hydrogen decrepitation and spark plasma sintering to produce recycled $SmCo_5$ magnets with high coercivity. *IEEE magnetics letters*, ISSN 1949-307X. [Print ed.], 2018, vol. 9, str. 5503504-1-5503504-5, doi: [10.1109/LMAG.2018.2831174](#). [COBISS.SI-ID [31475239](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 13. 1. 2019: no. of citations (TC): 1, without self-citations (CI): 1, [Scopus](#) up to 29. 5. 2019: no. of citations (TC): 1, pure citations (CI): 1]

13. YUKI, Kimura, ISHIZUKA, Shinnosuke, ŠTURM, Sašo, TANAKA, Kyoko K., YAMAZAKI, Tomoya, SAITO, Fumiaki, SATOH, Yosuke, TSUKAMOTO, Katsuo, INATOMI, Yuko. Nucleation processes of cosmic dust investigated by microgravity experiments using an airplane. *IJMSA*, ISSN 2188-9783, 2018, vol. 35, no. 3, str. 350305-1-350305-7, doi: [10.15011/jasma.35.350305](#). [COBISS.SI-ID [31573543](#)], [[WoS](#) up to 15. 10. 2018: no. of citations (TC): 1, without self-citations (CI): 1]

14. BURKHARDT, Fabian, SKELA, Božo, DANEU, Nina, SAMARDŽIJA, Zoran, ŠTURM, Sašo, GAUDRY, É., KOBE, Spomenka, DUBOIS, Jean-Marie. A new complex ternary phase in the Al-Cr-Sc push-pull alloy. *Journal of alloys and compounds*, ISSN 0925-8388. [Print ed.], 5. nov. 2018, vol. 768, str. 230-239, ilustr. <https://www.sciencedirect.com/science/article/pii/S0925838818327403#!>, doi: [10.1016/j.jallcom.2018.07.239](#). [COBISS.SI-ID [1413034](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 9. 2. 2020: no. of citations (TC): 2, without self-citations (CI): 1, [Scopus](#) up to 29. 1. 2020: no. of citations (TC): 2, pure citations (CI): 1]

15. PÉTER, László, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, et al. In-depth component distribution in electrodeposited alloys and multilayers. *Journal of electrochemical science and engineering*, ISSN 1847-9286, 2018, vol. 8, no. 1, str. 49-71, doi: [10.5599/jese.480](#). [COBISS.SI-ID [31250727](#)], [[WoS](#) up to 13. 1. 2019: no. of citations (TC): 1, without self-citations (CI): 1]

16. KELHAR, Luka, BEZJAK, Jana, MAČEK, Marjeta, ZAVAŠNIK, Janez, ŠTURM, Sašo, KOŽELJ, Primož, KOBE, Spomenka, DUBOIS, Jean-Marie. The role of Fe and Cu additions on the structural, thermal and magnetic properties of amorphous Al-Ce-Fe-Cu alloys. *Journal of non-crystalline solids*, ISSN 0022-3093. [Print ed.], 2018, vol. 483, str. 70-78, doi: [10.1016/j.jnoncrysol.2018.01.003](#). [COBISS.SI-ID [31059495](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 24. 2. 2018: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 29. 8. 2019: no. of citations (TC): 1, pure citations (CI): 1]

17. PÉTER, László, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo. Structure and composition of electrodeposited Fe-Co-Ni Alloys Studied by transmission electron microscopy. *Journal of the Electrochemical Society*, ISSN 1945-7111. [Online ed.], 2018, vol. 165, no. 9, str. D384-D392, doi: [10.1149/2.0821809jes](https://doi.org/10.1149/2.0821809jes). [COBISS.SI-ID [31462951](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 10. 10. 2018: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 10. 10. 2018: no. of citations (TC): 0, pure citations (CI): 0]
18. KOSTEVŠEK, Nina, ABRAMOVIĆ, Irena, HUDOKLIN, Samo, ERDANI-KREFT, Mateja, SERŠA, Igor, SEPE, Ana, VIDMAR, Janja, ŠTURM, Sašo, ŠČANČAR, Janez, SPREITZER, Matjaž, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Hybrid $FePt/SiO_2/Au$ nanoparticles as theranostic tool : in vitro photo-thermal treatment and MRI imaging. *Nanoscale*, ISSN 2040-3364, 2018, vol. 10, no. 3, str. 1308-1321, doi: [10.1039/C7NR07810B](https://doi.org/10.1039/C7NR07810B). [COBISS.SI-ID [30987559](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 13. 10. 2019: no. of citations (TC): 5, without self-citations (CI): 5, [Scopus](#) up to 29. 11. 2019: no. of citations (TC): 4, pure citations (CI): 4]
19. KADOK, J., PUSSI, K., ŠTURM, Sašo, AMBROŽIČ, Bojan, GAUDRY, É., WEERD, Marie-Cécile de, FOURNÉE, Vincent, LEDIEU, Julian. Epitaxial growth of Al_9Ir_2 intermetallic compound on Al(100) : mechanism and interface structure. *Physical review materials*, ISSN 2475-9953, 2018, vol. 2, no. 4, str. 043405-1-043405-9, doi: [10.1103/PhysRevMaterials.2.043405](https://doi.org/10.1103/PhysRevMaterials.2.043405). [COBISS.SI-ID [31354919](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 11. 5. 2018: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 19. 1. 2019: no. of citations (TC): 0, pure citations (CI): 0]
20. ZUPANIČ, Erik, MIDDEN, Herman J. P. van, VAN MIDDEN, Marion, ŠTURM, Sašo, TCHERNYCHOVA, Elena, POKROVSKII, Vadim Ya., ZYBTSEV, Sergey G., NASRETDINOVA, Venera, ZAITSEV-ZOTOV, S. V., CHEN, W. T., PAI, Woei Wu, BENNETT, J. Craig, PRODAN, Albert. Basic and charge density wave modulated structures of NbS_3 -II. *Physical review. B*, ISSN 2469-9950, 2018, vol. 98, no. 17, str. 174113-1-174113-12, doi: [10.1103/PhysRevB.98.174113](https://doi.org/10.1103/PhysRevB.98.174113). [COBISS.SI-ID [31901991](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 14. 7. 2019: no. of citations (TC): 2, without self-citations (CI): 1, [Scopus](#) up to 29. 8. 2019: no. of citations (TC): 2, pure citations (CI): 1]
21. KOSTEVŠEK, Nina, HUDOKLIN, Samo, ERDANI-KREFT, Mateja, SERŠA, Igor, SEPE, Ana, JAGLIČIČ, Zvonko, VIDMAR, Jerneja, ŠČANČAR, Janez, ŠTURM, Sašo, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Magnetic interactions and in vitro study of biocompatible hydrocaffeic acid-stabilized Fe-Pt clusters as MRI contrast agents. *RSC advances*, ISSN 2046-2069, 2018, vol. 8, no. 26, str. 14694-14704, doi: [10.1039/c8ra00047f](https://doi.org/10.1039/c8ra00047f). [COBISS.SI-ID [31341607](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 5. 5. 2018: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 5. 5. 2018: no. of citations (TC): 0, pure citations (CI): 0]
22. LESKOVAR, Blaž, ŠTURM, Sašo, SAMARDŽIJA, Zoran, AMBROŽIČ, Bojan, MARKOLI, Boštjan, NAGLIČ, Iztok. Epitaxial growth of a metastable icosahedral quasicrystal on a stable icosahedral quasicrystal substrate. *Scripta materialia*, ISSN 1359-6462, 2018, vol. 150, str. 92-95, doi: [10.1016/j.scriptamat.2018.03.014](https://doi.org/10.1016/j.scriptamat.2018.03.014). [COBISS.SI-ID [1716063](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 9. 6. 2019: no. of citations (TC): 1, without self-citations (CI): 1, [Scopus](#) up to 29. 12. 2019: no. of citations (TC): 2, pure citations (CI): 2]
23. ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, TRAFELA, Špela, SAMARDŽIJA, Zoran, SPREITZER, Matjaž, JAGLIČIČ, Zvonko, NADRAH, Peter, ZORKO, Mateja, BELE, Marjan, TIŠLER, Tatjana, PINTAR, Albin, ŠTURM, Sašo, KOSTEVŠEK, Nina. Austenite-martensite transformation in electrodeposited $Fe_{70}Pd_{30}$ NWs : a step towards making bio-nano-actuators tested on in-vivo systems. *Smart materials and structures*, ISSN 0964-1726. [Print ed.], Mar. 2018, vol. 27, no. 3, 035018-1-035018-10, doi: [10.1088/1361-665X/aaacb0](https://doi.org/10.1088/1361-665X/aaacb0). [COBISS.SI-ID [31185447](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 15. 12. 2019: no. of citations (TC): 1, without self-citations (CI): 1, [Scopus](#) up to 29. 8. 2019: no. of citations (TC): 1, pure citations (CI): 1]
24. RASKOVIĆ-LOVRE, Željka, KURKO, Sandra, IVANOVIĆ, Nenad, FERNÁNDEZ, Jose-Francisco, ARES, Jose-Ramon, ŠTURM, Sašo, MONGSTAD, Trygve, NOVAKOVIĆ, Nikola, GRBOVIĆ NOVAKOVIĆ, Jasmina. In-situ desorption of magnesium hydride irradiated and non-irradiated thin films : relation to optical properties. *Journal of alloys and compounds*, ISSN 0925-8388. [Print ed.], 2017, vol. 695, str. 2381-2388, doi: [10.1016/j.jallcom.2016.11.128](https://doi.org/10.1016/j.jallcom.2016.11.128). [COBISS.SI-ID [30087719](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 13. 1. 2019: no. of citations (TC): 2, without self-citations (CI): 2, [Scopus](#) up to 29. 12. 2019: no. of citations (TC): 5, pure citations (CI): 5]
25. ZYBTSEV, S. G., POKROVSKII, Vadim Ya., ZHIGALINA, O. M., KHMELENIN, D. N., STARĘŠNIĆ, D., ŠTURM, Sašo, TCHERNYCHOVA, Elena. Properties of tensioned TaS_3 samples in the state of charge density wave and in the normal state. *Journal of experimental and theoretical physics*, ISSN 1063-7761, 2017, vol. 124, no. 4, str. 665-677, doi: [10.1134/S1063776117030189](https://doi.org/10.1134/S1063776117030189). [COBISS.SI-ID [30428967](#)], [\[JCR\]](#), [SNIP](#), [WoS](#) up to 15. 12. 2019: no. of citations (TC): 9, without self-citations (CI): 8, [Scopus](#) up to 29. 11. 2019: no. of citations (TC): 9, pure citations (CI): 8]

26. LORENZETTI, Martina, DRAME, Anja, ŠTURM, Sašo, NOVAK, Saša. *TiO₂* (nano)particles extracted from sugar-coated confectionery. *Journal of nanomaterials*, ISSN 1687-4110, 2017, vol. 2017, str. 6298307-1-6298307-14, doi: [10.1155/2017/6298307](https://doi.org/10.1155/2017/6298307). [COBISS.SI-ID [30409255](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 12. 5. 2019: no. of citations (TC): 6, without self-citations (CI): 6, [[Scopus](#)] up to 30. 11. 2018: no. of citations (TC): 6, pure citations (CI): 6]
27. KAPUN, Gregor, MARINŠEK, Marjan, MERZEL, Franci, ŠTURM, Sašo, GABERŠČEK, Miran, SKALAR, Tina. Microstructural evaluation of Ni-SDC cermet from a representative 2D image and/or a 3D reconstruction based on a stack of images = Vrednotenje mikrostruktur Ni-SDC kermeta z 2D in/ali 3D metodo. *Materiali in tehnologije*, ISSN 1580-2949. [Tiskana izd.], sep.-okt. 2017, letn. 51, št. 5, str. 775-782, ilustr. <http://mit.imt.si/Revija/izvodi/mit175/kapun.pdf>, doi: [10.17222/mit.2016.256](https://doi.org/10.17222/mit.2016.256). [COBISS.SI-ID [1344426](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 8. 12. 2017: no. of citations (TC): 0, without self-citations (CI): 0, [[Scopus](#)] up to 11. 11. 2017: no. of citations (TC): 0, pure citations (CI): 0]
28. ZYBTSEV, S. G., NASRETDINOVA, Venera, ZUPANIČ, Erik, MIDDEN, Herman J. P. van, ŠTURM, Sašo, TCHERNYCHOVA, Elena, PRODAN, Albert, et al. *NbS₃* : a unique quasi-one-dimensional conductor with three charge density wave transition. *Physical review. B*, ISSN 2469-9950, 2017, vol. 95, no. 3, 035110-1-035110-14, doi: [10.1103/PhysRevB.95.035110](https://doi.org/10.1103/PhysRevB.95.035110). [COBISS.SI-ID [31630887](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 15. 12. 2019: no. of citations (TC): 11, without self-citations (CI): 7, [[Scopus](#)] up to 29. 11. 2019: no. of citations (TC): 10, pure citations (CI): 6]
29. KOSTEVŠEK, Nina, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, et al. The one-step synthesis and surface functionalization of dumbbell-like gold-iron oxide nanoparticles : a chitosan-based nanotheranostic system. *Chemical communications*, ISSN 1359-7345, 2016, vol. 52, issue 2, str. 378-381, doi: [10.1039/C5CC08275G](https://doi.org/10.1039/C5CC08275G). [COBISS.SI-ID [29014055](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 13. 10. 2019: no. of citations (TC): 17, without self-citations (CI): 16, [[Scopus](#)] up to 29. 11. 2019: no. of citations (TC): 14, pure citations (CI): 13]
30. YILDIZHAN, Melike Melike, ŠTURM, Sašo, GÜLGÜN, Mehmet Ali. Structural and electronic modifications on TiO₂ anatase by Li, K or Nb doping below and above the solubility limit. *Journal of Materials Science*, ISSN 0022-2461, 2016, vol. 51, no. 12, str. 5912-5923, doi: [10.1007/s10853-016-9893-8](https://doi.org/10.1007/s10853-016-9893-8). [COBISS.SI-ID [29475367](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 15. 12. 2019: no. of citations (TC): 11, without self-citations (CI): 11, [[Scopus](#)] up to 29. 9. 2019: no. of citations (TC): 13, pure citations (CI): 13]
31. AKMEHMET, Guliz Inan, ŠTURM, Sašo, BOCHER, Laura, KOPIAK, Mathieu, AMBROŽIČ, Bojan, OW-YANG, Cleva. Structure and luminescence in long persistence Eu, Dy, and B codoped strontium aluminate phosphors : the boron effect. *Journal of the American Ceramic Society*, ISSN 0002-7820, 2016, vol. 99, iss. 6, str. 2175-2180, doi: [10.1111/jace.14188](https://doi.org/10.1111/jace.14188). [COBISS.SI-ID [29341479](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 12. 1. 2020: no. of citations (TC): 15, without self-citations (CI): 14, [[Scopus](#)] up to 29. 11. 2019: no. of citations (TC): 14, pure citations (CI): 13]
32. CORAPCOGLU, Gulcan, GÜLGÜN, Mehmet Ali, KISLINGER, Kim, ŠTURM, Sašo, JHA, Shikhar K., RAJ, Rishi. Microstructure and microchemistry of flash sintered $K_{0.5}Na_{0.5}NbO_3$. *Journal of the Ceramic Society of Japan*, ISSN 1882-0743, 2016, vol. 124, no. 4, str. 321-328, doi: [10.2109/jcersj2.15290](https://doi.org/10.2109/jcersj2.15290). [COBISS.SI-ID [29474855](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 12. 1. 2020: no. of citations (TC): 17, without self-citations (CI): 17, [[Scopus](#)] up to 29. 12. 2019: no. of citations (TC): 20, pure citations (CI): 20]
33. MARKOVIĆ, Ivana, NESTOROVIĆ, Svetlana, MARKOLI, Boštjan, PREMOVIĆ, Milena, ŠTURM, Sašo. Anneal hardening in cold rolled PM Cu-Au alloy. *Materials Science & Engineering. A, Structural materials: Properties, Microstructure and Processing*, ISSN 0921-5093. [Print ed.], March 2016, vol. 658, str. 393-399, ilustr. <http://dx.doi.org/10.1016/j.msea.2016.02.029>, doi: [10.1016/j.msea.2016.02.029](https://doi.org/10.1016/j.msea.2016.02.029). [COBISS.SI-ID [1599583](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 11. 11. 2018: no. of citations (TC): 3, without self-citations (CI): 3, [[Scopus](#)] up to 29. 8. 2018: no. of citations (TC): 2, pure citations (CI): 2]
34. KELHAR, Luka, BEZJAK, Jana, BOULET, Pascal, MAČEK, Marjeta, ŠTURM, Sašo, LAMUT, Martin, MARKOLI, Boštjan, KOBE, Spomenka, DUBOIS, Jean-Marie. Stabilisation of Ce-Cu-Fe amorphous alloys by addition of Al. *Philosophical magazine*, ISSN 1478-6435, 2016, vol. 96, no. 30, str. 3143-3158, doi: [10.1080/14786435.2016.1229062](https://doi.org/10.1080/14786435.2016.1229062). [COBISS.SI-ID [29735719](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 11. 11. 2016: no. of citations (TC): 0, without self-citations (CI): 0, [[Scopus](#)] up to 1. 3. 2018: no. of citations (TC): 1, pure citations (CI): 0]
35. PEČKO, Darja, ŠTURM, Sašo, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Potentiostatically electrodeposited hard-magnetic Fe-Pd-based nanowires. *IEEE transactions on magnetics*, ISSN 0018-9464, 2015, vol. 51, no. 7, str. 9600204-1-9600204-4, doi: [10.1109/TMAG.2015.2392083](https://doi.org/10.1109/TMAG.2015.2392083). [COBISS.SI-ID [28783911](#)], [[JCR](#), [SNIP](#), [WoS](#)] up to 17. 8. 2015: no. of citations (TC): 0, without self-citations (CI): 0, [[Scopus](#)] up to 12. 8. 2015: no. of citations (TC): 0, pure citations (CI): 0]

36. PEČKO, Darja, ARSHAD, Muhammad Shahid, ŠTURM, Sašo, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Magnetization-switching study of fcc Fe-Pd nanowire and nanowire arrays studied by in-field magnetic force microscopy. *IEEE transactions on magnetics*, ISSN 0018-9464, Oct. 2015, vol. 51, iss. 10, str. [1-4]. <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7132773>, doi: [10.1109/TMAG.2015.2449773](https://doi.org/10.1109/TMAG.2015.2449773). [COBISS.SI-ID 5894426], [[JCR](#), [SNIP](#), [WoS](#)] up to 2. 7. 2018: no. of citations (TC): 1, without self-citations (CI): 1, [Scopus](#) up to 28. 5. 2018: no. of citations (TC): 2, pure citations (CI): 2]
37. MCGUINNESS, Paul J., SODERŽNIK, Marko, ŠTURM, Sašo, ŽAGAR, Kristina, KOBE, Spomenka, et al. Replacement and Original Magnet Engineering Options (ROMEOs) : a European seventh framework project to develop advanced permanent magnets without, or with reduced use of, critical raw materials. *JOM : The journal of minerals, metals and materials society*, ISSN 1047-4838, 2015, vol. 67, issue 6, str. 1306-1317, doi: [10.1007/s11837-015-1412-x](https://doi.org/10.1007/s11837-015-1412-x). [COBISS.SI-ID 28545575], [[JCR](#), [SNIP](#), [WoS](#)] up to 15. 12. 2019: no. of citations (TC): 20, without self-citations (CI): 15, [Scopus](#) up to 1. 10. 2019: no. of citations (TC): 21, pure citations (CI): 16]
38. KOSTEVŠEK, Nina, ŠTURM, Sašo, SERŠA, Igor, SEPE, Ana, BLOEMEN, Maarten, VERBIEST, Thierry, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. "Single- and "multi-core" FePt nanoparticles : from controlled synthesis via zwitterionic and silica biofunctionalization to MRI applications. *Journal of nanoparticle research*, ISSN 1388-0764, 2015, vol. 17, no. 12, str. 464-1-464-15, doi: [10.1007/s11051-015-3278-9](https://doi.org/10.1007/s11051-015-3278-9). [COBISS.SI-ID 29092647], [[JCR](#), [SNIP](#), [WoS](#)] up to 2. 7. 2018: no. of citations (TC): 4, without self-citations (CI): 2, [Scopus](#) up to 28. 5. 2018: no. of citations (TC): 4, pure citations (CI): 2]
39. KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, ARSHAD, Muhammad Shahid, SPREITZER, Matjaž, KOBE, Spomenka, ŠTURM, Sašo. Multimodal hybrid $FePt/SiO_2/Au$ nanoparticles for nanomedical applications ecombining photothermal stimulation and manipulation with an external magnetic field. *The journal of physical chemistry. C, Nanomaterials and interfaces*, ISSN 1932-7447, 2015, vol. 119, issue 28, str. 16374-16382, doi: [10.1021/acs.jpcc.5b03725](https://doi.org/10.1021/acs.jpcc.5b03725). [COBISS.SI-ID 28708903], [[JCR](#), [SNIP](#), [WoS](#)] up to 15. 12. 2019: no. of citations (TC): 10, without self-citations (CI): 8, [Scopus](#) up to 29. 1. 2020: no. of citations (TC): 10, pure citations (CI): 8]
40. KOVIČ, Andrej, MRZEL, Aleš, RAVNIK, Jan, ŠTURM, Sašo, VILFAN, Mojca. Surface decoration of MoSI nanowires and \varnothing MoS₂ multi-wall nanotubes and platinum nanoparticle encapsulation. *Materials letters*, ISSN 0167-577X, 2015, vol. 159, str. 333-336, doi: [10.1016/j.matlet.2015.07.021](https://doi.org/10.1016/j.matlet.2015.07.021). [COBISS.SI-ID 28743463], [[JCR](#), [SNIP](#), [WoS](#)] up to 10. 3. 2019: no. of citations (TC): 2, without self-citations (CI): 2, [Scopus](#) up to 28. 2. 2019: no. of citations (TC): 2, pure citations (CI): 2]
41. ARSHAD, Muhammad Shahid, ZAVAŠNIK, Janez, ŠTURM, Sašo, MCGUINNESS, Paul J., KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Microstructure and magnetic properties of electrodeposited Co-Pt nanowires (NWs) with diameters below 100 nm. *IEEE magnetics letters*, ISSN 1949-307X. [Print ed.], 2014, vol. 5, str. 6700204-1-6700204-4, doi: [10.1109/LMAG.2014.2362106](https://doi.org/10.1109/LMAG.2014.2362106). [COBISS.SI-ID 28038183], [[JCR](#), [SNIP](#), [WoS](#)] up to 11. 8. 2019: no. of citations (TC): 1, without self-citations (CI): 1, [Scopus](#) up to 27. 5. 2019: no. of citations (TC): 1, pure citations (CI): 1]
42. ARSHAD, Muhammad Shahid, ŠTURM, Sašo, ZAVAŠNIK, Janez, ESPEJO, Alvaro P., ESCRIG, Juan, KOMELJ, Matej, MCGUINNESS, Paul J., KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Effect of magnetocrystalline anisotropy on the magnetic properties of electrodeposited Co-Pt nanowires. *Journal of nanoparticle research*, ISSN 1388-0764, 2014, vol. 16, str. 2688-1-2688-16, doi: [10.1007/s11051-014-2688-4](https://doi.org/10.1007/s11051-014-2688-4). [COBISS.SI-ID 28027175], [[JCR](#), [SNIP](#), [WoS](#)] up to 12. 1. 2020: no. of citations (TC): 11, without self-citations (CI): 10, [Scopus](#) up to 27. 11. 2019: no. of citations (TC): 11, pure citations (CI): 10]
43. MILER, Miloš, AMBROŽIČ, Bojan, MIRTIČ, Breda, GOSAR, Mateja, ŠTURM, Sašo, DOLENEC, Matej, JERŠEK, Miha. Mineral and chemical composition of the Jezersko meteorite - a new chondrite from Slovenia. *Meteoritics & planetary science*, ISSN 1086-9379, 2014, vol. 49, no. 10, str. 1875-1887, doi: [10.1111/maps.12365](https://doi.org/10.1111/maps.12365). [COBISS.SI-ID 1153374], [[JCR](#), [SNIP](#), [WoS](#)] up to 4. 12. 2014: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 26. 7. 2015: no. of citations (TC): 0, pure citations (CI): 0]
44. ARSHAD, Muhammad Shahid, PEČKO, Darja, ŠTURM, Sašo, ESCRIG, Juan, KOMELJ, Matej, MCGUINNESS, Paul J., KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Angular dependence of the coercivity in electrodeposited Co-Pt nanostructures with a tube-wire morphology. V: *Proceedings of the INTERMAG 2014, IEEE International Magnetics Conference, May 4-8, 2014, Dresden, Germany*, (IEEE transactions on magnetics, ISSN 0018-9464, vol. 50, no. 11, 2014). New York: Institute of Electrical and Electronics Engineers. 2014, vol. 50, no. 11, str. 2302904-1-2302904-4, doi: [10.1109/TMAG.2014.2320911](https://doi.org/10.1109/TMAG.2014.2320911). [COBISS.SI-ID 27887911], [[JCR](#), [SNIP](#), [WoS](#)] up to 12. 1. 2020: no. of citations (TC): 10, without self-citations (CI): 10, [Scopus](#) up to 27. 11. 2018: no. of citations (TC): 10, pure citations (CI): 9] tipologija 1.08 -> 1.01

45. ZUBKO, Maciej, KUSZ, Józef, PRODAN, Albert, ŠTURM, Sašo, MIDDEN, Herman J. P. van, BENNETT, J. Craig, DUBIN, Grzegorz, ZUPANIČ, Erik, BÖHM, Horst. Structural phase transition and related electronic properties in quasi-one-dimensional $(NbSe_4)_{10/3}$. *Acta crystallographica. Section B, Structural science*, ISSN 0108-7681, 2013, vol. 69, no. 3, str. 229-237, doi: [10.1107/S2052519213010336](https://doi.org/10.1107/S2052519213010336). [COBISS.SI-ID [26754343](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 25. 12. 2016: no. of citations (TC): 1, without self-citations (CI): 1, [Scopus](#) up to 26. 1. 2017: no. of citations (TC): 1, pure citations (CI): 1]
46. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SPYROPOULOS ANTONAKAKIS, Nikolaos, SARANTOPOULOU, Evangelia, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. Pulsed-laser fabrication of gas-filled hollow CoPt nanospheres. *Acta materialia*, ISSN 1359-6454. [Print ed.], 2013, vol. 61, no. 61, str. 7924-7930, doi: [10.1016/j.actamat.2013.09.033](https://doi.org/10.1016/j.actamat.2013.09.033). [COBISS.SI-ID [27217447](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 2. 4. 2018: no. of citations (TC): 4, without self-citations (CI): 4, [Scopus](#) up to 26. 12. 2017: no. of citations (TC): 4, pure citations (CI): 4]
47. AMBROŽIČ, Bojan, ŠTURM, Sašo, JERŠEK, Miha, MIRTIČ, Breda. Structure of the chondrules and the chemical composition of olivine in meteorite Jesenice = Tekstura hondrul in kemijska sestava olivina v meteoritu Jesenice. *Geologija*, ISSN 0016-7789. [Tiskana izd.], 2013, 56, št. 1, str. 19-28, ilustr., doi: [10.5474/geologija.2013.002](https://doi.org/10.5474/geologija.2013.002). [COBISS.SI-ID [2184277](#)]
48. GAJOVIĆ, Andreja, VUKAJLLOVIĆ PLEŠTINA, Jelena, ŽAGAR, Kristina, PLODINEC, Milivoj, ŠTURM, Sašo, ČEH, Miran. Temperature-dependent Raman spectroscopy of $BaTiO_3$ nanorods synthesized by using a template-assisted solgel procedure. *Journal of Raman spectroscopy*, ISSN 0377-0486, 2013, vol. 44, no. 3, str. 412-420, doi: [10.1002/jrs.4206](https://doi.org/10.1002/jrs.4206). [COBISS.SI-ID [27000615](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 11. 8. 2019: no. of citations (TC): 29, without self-citations (CI): 28, [Scopus](#) up to 26. 12. 2019: no. of citations (TC): 29, pure citations (CI): 28]
49. LENART, Alenka, SAMARDŽIJA, Zoran, GODEC, Matjaž, MIRTIČ, Breda, ŠTURM, Sašo. Twin-boundary formation in Japan-law twinned quartz crystals. *European journal of mineralogy*, 2012, vol. 24, no. 3, str. 509-517, doi: [10.1127/0935-1221/2012/0024-2202](https://doi.org/10.1127/0935-1221/2012/0024-2202). [COBISS.SI-ID [25756455](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 9. 2. 2020: no. of citations (TC): 3, without self-citations (CI): 3, [Scopus](#) up to 25. 5. 2017: no. of citations (TC): 3, pure citations (CI): 3]
50. AMBROŽIČ, Bojan, ŠTURM, Sašo, JERŠEK, Miha, MIRTIČ, Breda. Klasifikacija kamnitih meteoritov in hondrul - primer meteorita Jesenice = Classification of stony meteorites and chondrules - the case of meteorite Jesenice. *Geologija*, ISSN 0016-7789. [Tiskana izd.], 2012, 55, št. 2, str. 163-179, ilustr., doi: [10.5474/geologija.2012.011](https://doi.org/10.5474/geologija.2012.011). [COBISS.SI-ID [2105685](#)]
51. MAKOVEC, Darko, PRIMC, Darinka, ŠTURM, Sašo, KODRE, Alojz, HANŽEL, Darko, DROFENIK, Mihael. Structural properties of ultrafine Ba-hexaferrite nanoparticles. *Journal of solid state chemistry*, ISSN 0022-4596, 2012, vol. 196, str. 63-71. <http://dx.doi.org/10.1016/j.jssc.2012.07.043>. [COBISS.SI-ID [2461284](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 15. 12. 2019: no. of citations (TC): 28, without self-citations (CI): 23, [Scopus](#) up to 25. 11. 2019: no. of citations (TC): 29, pure citations (CI): 23]
52. ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, ŠTURM, Sašo, MAVER, Uroš, NADRAH, Peter, BELE, Marjan, KOBE, Spomenka. Electrochemical synthesis and characterization of $Fe_{70}Pd_{30}$ nanotubes for drug-delivery applications. *Materials chemistry and physics*, ISSN 0254-0584. [Print ed.], 2012, vol. 133, issue 1, str. 218-224, doi: [10.1016/j.matchemphys.2012.01.013](https://doi.org/10.1016/j.matchemphys.2012.01.013). [COBISS.SI-ID [25576999](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 9. 2. 2020: no. of citations (TC): 36, without self-citations (CI): 27, [Scopus](#) up to 25. 12. 2019: no. of citations (TC): 36, pure citations (CI): 28]
53. KIENER, Daniel, ZHANG, Zheng, ŠTURM, Sašo, CAZOTTES, S., IMRICH, P. J., KIRCHLECHNER, C., DEHM, Gerhard. Advanced nanomechanics in the TEM : effects of thermal annealing on FIB prepared Cu samples. *Philosophical magazine*, ISSN 1478-6435, 2012, vol. 92, no. 25-27, str. 3269-3289, doi: [10.1080/14786435.2012.685966](https://doi.org/10.1080/14786435.2012.685966). [COBISS.SI-ID [25906471](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 13. 10. 2019: no. of citations (TC): 33, without self-citations (CI): 33, [Scopus](#) up to 25. 7. 2019: no. of citations (TC): 35, pure citations (CI): 35]
54. GAJOVIĆ, Andreja, SILVA, Adrián M. T., SIGUNDO, Ricardo A., ŠTURM, Sašo, JANČAR, Boštjan, ČEH, Miran. Tailoring the phase composition and morphology of Bi-doped goethite-hematite nanostructures and their catalytic activity in the degradation of an actual pesticide using a photo-Fenton-like process. *Applied catalysis. B, Environmental*, ISSN 0926-3373. [Print ed.], 2011, vol. 103, no. 3/4, str. 351-361, doi: [10.1016/j.apcatb.2011.01.042](https://doi.org/10.1016/j.apcatb.2011.01.042). [COBISS.SI-ID [24654887](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 17. 11. 2019: no. of citations (TC): 39, without self-citations (CI): 39, [Scopus](#) up to 24. 11. 2019: no. of citations (TC): 39, pure citations (CI): 39]
55. ŠTURM, Sašo, BENČAN, Andreja, GÜLGÜN, Mehmet Ali, MALIČ, Barbara, KOSEC, Marija. Determining the stoichiometry of $(K, Na)NbO_3$ using optimized energy-dispersive X-ray spectroscopy and electron energy-loss spectroscopy analyses in a transmission electron microscope. *Journal of the American Ceramic Society*, ISSN 0002-

7820, 2011, vol. 94, issue 8, str. 2633-2639, doi: [10.1111/j.1551-2916.2011.04389.x](https://doi.org/10.1111/j.1551-2916.2011.04389.x). [COBISS.SI-ID [24733735](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 17. 11. 2019: no. of citations (TC): 9, without self-citations (CI): 7, [Scopus](#) up to 24. 11. 2019: no. of citations (TC): 9, pure citations (CI): 7]

56. ŽAGAR, Kristina, REČNIK, Aleksander, ŠTURM, Sašo, GAJOVIĆ, Andreja, ČEH, Miran. Structural and chemical characterization of $BaTiO_3$ nanorods. *Materials research bulletin*, ISSN 0025-5408. [Print ed.], 2011, vol. 46, no. 3, str. 366-371, doi: [10.1016/j.materresbull.2010.12.012](https://doi.org/10.1016/j.materresbull.2010.12.012). [COBISS.SI-ID [24388647](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 18. 8. 2019: no. of citations (TC): 9, without self-citations (CI): 6, [Scopus](#) up to 24. 3. 2019: no. of citations (TC): 10, pure citations (CI): 7]

57. LENART, Alenka, JERŠEK, Miha, MIRTIČ, Breda, ŠTURM, Sašo. Meteorite Jesenice: mineral and chemical composition of the fusion crust of ordinary chondrite = Meteorit Jesenice: Mineralno-kemijska sestava žgalne skorje navadnega hondrita. *Geologija*, ISSN 0016-7789. [Tiskana izd.], 2010, knj. 53, št. 2, str. 139-146, doi: [10.5474/geologija.2010.011](https://doi.org/10.5474/geologija.2010.011). [COBISS.SI-ID [1832533](#)]

58. GAJOVIĆ, Andreja, ŠTURM, Sašo, JANČAR, Boštjan, ŠANTIĆ, Ana, ŽAGAR, Kristina, ČEH, Miran. The synthesis of pure-phase bismuth ferrite in the Bi-Fe-O system under hydrothermal conditions without a mineralizer. *Journal of the American Ceramic Society*, ISSN 0002-7820, 2010, vol. 93, no. 10, str. 3173-3179. [COBISS.SI-ID [24234791](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 22. 9. 2019: no. of citations (TC): 20, without self-citations (CI): 20, [Scopus](#) up to 23. 10. 2019: no. of citations (TC): 25, pure citations (CI): 24]

59. LOGAR, Manca, JANČAR, Boštjan, ŠTURM, Sašo, Suvorov, Danilo. Weak polyion multilayer-assisted in situ synthesis as a route toward a plasmonic Ag/TiO_2 photocatalyst. *Langmuir*, ISSN 0743-7463, 2010, vol. 26, issue 14, str. 12215-12224, doi: [10.1021/la101124q](https://doi.org/10.1021/la101124q). [COBISS.SI-ID [23788071](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 19. 1. 2020: no. of citations (TC): 72, without self-citations (CI): 68, [Scopus](#) up to 23. 12. 2019: no. of citations (TC): 77, pure citations (CI): 73]

60. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SARANTOPOULOU, Evangelia, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. Formation of core-shell and hollow nanospheres through the nanoscale melt-solidification effect in the Sm-Fe(Ta)-N system. *Nanotechnology*, ISSN 0957-4484, 2010, vol. 21, no. 48, str. 485603-1-485603-8. [COBISS.SI-ID [24144167](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 29. 4. 2018: no. of citations (TC): 5, without self-citations (CI): 3, [Scopus](#) up to 23. 5. 2018: no. of citations (TC): 5, pure citations (CI): 3]

61. ŠTURM, Sašo, GÜLGÜN, Mehmet A., RICHTER, Gunther, MORALES, Francisco M., CANNON, Rowland M., RÜHLE, Manfred. The role of Si impurities in the transient dopant segregation and precipitation in yttrium-doped alumina. V: *New materials via : proceedings of the 7th International Workshop on Interfaces June 22-26, 2008, Santiago de Compostela, Spain*, (International journal of materials research, ISSN 1862-5282, vol. 101, no. 01, 2010). München: Halser. 2010, vol. 101, no. 1, str. 95-101. [COBISS.SI-ID [23516711](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 5. 4. 2010: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 17. 4. 2013: no. of citations (TC): 1, pure citations (CI): 1] tipologija 1.08 -> 1.01

62. MLADENOVIĆ, Ana, ŠTURM, Sašo, MIRTIČ, Breda, STRUPI-ŠUPUT, Jerneja. Alkali silica reaction in mortars made from aggregates having different degrees of crystallinity. *Ceramics*, ISSN 0862-5468, 2009, vol. 53, no. 1, str. 31-41, ilustr. [COBISS.SI-ID [1475687](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 29. 7. 2018: no. of citations (TC): 3, without self-citations (CI): 3]

63. ŠTURM, Sašo, ČEH, Miran. Atomic-scale structural and compositional analyses of Ruddlesden-Popper planar faults in AO-excess $SrTiO_3$ ($A = Sr^{2+}, Ca^{2+}, Ba^{2+}$) ceramics. *Journal of materials research*, ISSN 0884-2914, 2009, vol. 24, no. 8, str. 2596-2604. [COBISS.SI-ID [22789927](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 20. 4. 2017: no. of citations (TC): 7, without self-citations (CI): 6, [Scopus](#) up to 31. 8. 2017: no. of citations (TC): 8, pure citations (CI): 7]

64. ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, SAMARDŽIJA, Zoran, MCGUINNESS, Paul J., KOBE, Spomenka. The structure, composition and magnetic properties of direct-plated fcc Co-Pt-based tubular nanostructures. *Materials chemistry and physics*, ISSN 0254-0584. [Print ed.], 2009, vol. 118, no. 1, str. 105-110, doi: [10.1016/j.matchemphys.2009.07.012](https://doi.org/10.1016/j.matchemphys.2009.07.012). [COBISS.SI-ID [22808359](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 25. 3. 2018: no. of citations (TC): 4, without self-citations (CI): 3, [Scopus](#) up to 22. 10. 2018: no. of citations (TC): 5, pure citations (CI): 3]

65. ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, MCGUINNESS, Paul J., KOBE, Spomenka. Hard magnetic Co-Pt-based nanotubes, produced via direct electroplating. V: *Proceedings of the INTERMAG 2009, IEEE International Magnetics Conference, May 4-8 2009, Sacramento, California*, (IEEE transactions on magnetics, ISSN 0018-9464, vol. 45, no. 10, 2009). New York: Institute of Electrical and Electronics Engineers. 2009, vol. 45, no. 10, str. 4413-4416. [COBISS.SI-ID [23048231](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 27. 5. 2018: no. of citations (TC): 6, without self-citations (CI): 4, [Scopus](#) up to 22. 10.

2018: no. of citations (TC): 6, pure citations (CI): 4]

tipologija 1.08 -> 1.01

66. ERJAVEC, Boštjan, DOMINKO, Robert, UMEK, Polona, ŠTURM, Sašo, PINTAR, Albin, GABERŠČEK, Miran. Tailoring nanostructured TiO_2 for high power Li-ion batteries. V: *Selected papers presented at the 14th international meeting on lithium batteries : Tianjin, China, 22 -28 June 2008 : IMLB-2008*, (Journal of power sources, ISSN 0378-7753, Vol. 189, Issue 1, 2009). Lausanne: Elsevier. 2009, issue 1, vol. 189, str. 869-874, doi: [10.1016/j.jpowsour.2008.07.030](https://doi.org/10.1016/j.jpowsour.2008.07.030). [COBISS.SI-ID [4071706](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 17. 11. 2019: no. of citations (TC): 20, without self-citations (CI): 18, [Scopus](#) up to 22. 11. 2019: no. of citations (TC): 25, pure citations (CI): 22]

tipologija 1.08 -> 1.01

67. PRODAN, Albert, MIDDEN, Herman J. P. van, ŠTURM, Sašo, ŽITKO, Rok, ZUPANIČ, Erik, BENNETT, J. Craig, MACDOUGALL, Robert, STAROWICZ, Paweł. Charge-density waves in pure and intercalated Nb_3Te_4 . *Solid State Sciences*, ISSN 1293-2558. [Print ed.], 2009, vol. 11, no. 9, str. 1556-1561. [COBISS.SI-ID [22817319](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 8. 1. 2010: no. of citations (TC): 0, without self-citations (CI): 0, [Scopus](#) up to 19. 5. 2013: no. of citations (TC): 0, pure citations (CI): 0]

68. PEITEADO, Marco, ŠTURM, Sašo, CABALLERO, Amador C., MAKOVEC, Darko. $Mn_{3-x}Zn_xO_4$ spinel phase in the Zn-Mn-O system. *Acta materialia*, ISSN 1359-6454. [Print ed.], sep. 2008, vol. 56, iss. 15, str. 4028-4035, ilustr., doi: [10.1016/j.actamat.2008.04.024](https://doi.org/10.1016/j.actamat.2008.04.024). [COBISS.SI-ID [21971751](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 21. 4. 2019: no. of citations (TC): 20, without self-citations (CI): 19, [Scopus](#) up to 21. 3. 2019: no. of citations (TC): 20, pure citations (CI): 19]

69. LAZAR, Petr, ŠTURM, Sašo, et al. N-K electron energy-loss near-edge structures for TiN/VN layers : an ab initio and experimental study. V: FRIEDBACHER, Gernot (ur.). *14th conference on solid state analysis : Viena, July 16-18, 2007*, (Analytical and bioanalytical chemistry, ISSN 1618-2642, Vol. 390, No. 6, 2008). Heilderberg: Springer. 2008, vol. 390, no. 6, str. 1447-1453. [COBISS.SI-ID [22041127](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 21. 4. 2019: no. of citations (TC): 10, without self-citations (CI): 10, [Scopus](#) up to 21. 2. 2019: no. of citations (TC): 10, pure citations (CI): 10]

tipologija 1.08 -> 1.01

70. ERJAVEC, Boštjan, DOMINKO, Robert, UMEK, Polona, ŠTURM, Sašo, PEJOVNIK, Stane, GABERŠČEK, Miran, JAMNIK, Janko. RuO_2 – wired high-rate nanoparticulate TiO_2 (anatase). *Electrochemistry communications*, ISSN 1388-2481, 2008, vol. 10, no. 6, str. 926-929, doi: [doi:10.1016/j.elecom.2008.04.006](https://doi.org/10.1016/j.elecom.2008.04.006). [COBISS.SI-ID [3903258](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 22. 12. 2019: no. of citations (TC): 31, without self-citations (CI): 25, [Scopus](#) up to 21. 5. 2019: no. of citations (TC): 29, pure citations (CI): 23]

71. GÜLGÜN, Mehmet A., ŠTURM, Sašo, CANNON, Rowland M., RÜHLE, Manfred. Transient dopant segregation and precipitation in yttrium-doped alumina. *International journal of materials research : Zeitschrift für Metallkunde*, ISSN 1862-5282, 2008, vol. 99, no. 12, str. 1324-1329. [COBISS.SI-ID [22309671](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 9. 3. 2016: no. of citations (TC): 4, without self-citations (CI): 3, [Scopus](#) up to 30. 6. 2014: no. of citations (TC): 3, pure citations (CI): 2]

72. PANJAN, Matjaž, ŠTURM, Sašo, PANJAN, Peter, ČEKADA, Miha. The influence of rotation during sputtering on the stoichiometry of $TiAlN/CrN_x$. V: PAULEAU, Y. (ur.). *Proceedings of the International Conference on Metallurgical Coatings and Thin Films, San Diego, California, April 28-May 2, 2008*, (Surface & coatings technology, ISSN 0257-8972, vol. 203, no. 5/7, 2008). Lausanne. 2008, vol. 203, no. 5/7, str. 554-557. [COBISS.SI-ID [22190375](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 19. 1. 2020: no. of citations (TC): 22, without self-citations (CI): 19, [Scopus](#) up to 21. 11. 2019: no. of citations (TC): 23, pure citations (CI): 20]

tipologija 1.08 -> 1.01

73. PANJAN, Matjaž, ŠTURM, Sašo, PANJAN, Peter, ČEKADA, Miha. TEM investigation of TiAlN/CrN multilayer coatings prepared by magnetron sputtering. V: INSPEKTOR, Aharon (ur.), et al. *34th International Conference and Metallurgical Coatings and Thin Films, ICMCTF 2007, San Diego, CA, USA, April 23-27, 2007*, (Surface & Coatings Technology, ISSN 0257-8972, Vol. 202, Issues 4/7). Laussane. 2007, issues 4-7, vol. 202, str. 815-819. [COBISS.SI-ID [212477831](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 18. 3. 2018: no. of citations (TC): 14, without self-citations (CI): 14, [Scopus](#) up to 20. 11. 2018: no. of citations (TC): 17, pure citations (CI): 17]

tipologija 1.08 -> 1.01

74. CHA, L. M., SCHEU, Christina, RICHTER, Gunther, WAGNER, T., ŠTURM, Sašo, RÜHLE, Manfred. First observation of a hexagonal close packed metastable intermetallic phase between Cu and Al bilayer films. *International journal of materials research : Zeitschrift für Metallkunde*, ISSN 1862-5282, 2007, vol. 98, no. 8, str. 692-699. [COBISS.SI-ID

[\[JCR\]](#), [\[SNIP\]](#), [\[WoS\]](#) up to 17. 1. 2013: no. of citations (TC): 5, without self-citations (CI): 5, [Scopus](#) up to 7. 1. 2015: no. of citations (TC): 5, pure citations (CI): 5]

75. RASHKOVA, Boriana, ŠTURM, Sašo, et al. Combined ab-initio and N-K, $Ti - L_{2,3}$ $\text{eV-L}_{\{2,3\}}$ electron energy-loss near edge structure studies for TiN and VN films. *International journal of materials research : Zeitschrift für Metallkunde*, ISSN 1862-5282, 2007, vol. 98, no. 11, str. 1060-1065, doi: [10.3139/146.101568](#). [COBISS.SI-ID [21263655](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[WoS\]](#) up to 17. 1. 2013: no. of citations (TC): 1, without self-citations (CI): 1, [Scopus](#) up to 20. 8. 2017: no. of citations (TC): 2, pure citations (CI): 2]

76. GASSNER, Gert, PATSCHEIDER, Jörg, MAYRHOFER, Paul H., ŠTURM, Sašo, SCHEU, Christina, MITTERER, Christian. Tribological properties of nanocomposite $CrC_x/a\text{-C:H}$ thin films. *Tribology letters*, ISSN 1023-8883, 2007, vol. 27, str. 97-104. [COBISS.SI-ID [20767271](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[WoS\]](#) up to 28. 4. 2019: no. of citations (TC): 18, without self-citations (CI): 18, [Scopus](#) up to 21. 2. 2019: no. of citations (TC): 18, pure citations (CI): 18]

77. SHIOJIRI, Makoto, ČEH, Miran, ŠTURM, Sašo, CHUO, C. C., HSU, Jung-Tsung, YANG, J. R., SAIJO, Hiroshi. Structural and compositional analyses of a strained AlGaN/GaN superlattice. *Journal of applied physics*, ISSN 0021-8979, 2006, vol. 100, str. 03110-1-03110-7. [COBISS.SI-ID [19975719](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[WoS\]](#) up to 17. 11. 2016: no. of citations (TC): 10, without self-citations (CI): 8, [Scopus](#) up to 19. 12. 2016: no. of citations (TC): 9, pure citations (CI): 7]

78. WETSCHER, F., PIPPAN, R., ŠTURM, Sašo, KAUFFMANN, F., SCHEU, Christina, DEHM, Gerhard. TEM investigations of the structural evolution in a pearlitic steel deformed by high-pressure torsion. *Metallurgical and materials transactions. A, Physical metallurgy and materials science*, ISSN 1073-5623, 2006, vol. 37A, str. 1963-1968. [COBISS.SI-ID [19976743](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[WoS\]](#) up to 26. 1. 2020: no. of citations (TC): 84, without self-citations (CI): 83, [Scopus](#) up to 19. 9. 2019: no. of citations (TC): 82, pure citations (CI): 81]

79. VENKATESWARA RAO, Manga, ŠTURM, Sašo, PHILLIPP, Fritz, ZINKEVICH, Matvei. XRD and TEM study of NiO-LSGM reactivity. *Zeitschrift für Metallkunde : international journal of materials research*, ISSN 0044-3093, 2006, vol. 97, str. 789-793. [COBISS.SI-ID [19976487](#)], [\[JCR\]](#), [\[WoS\]](#) up to 10. 9. 2017: no. of citations (TC): 2, without self-citations (CI): 2, [Scopus](#) up to 19. 8. 2017: no. of citations (TC): 2, pure citations (CI): 2]

80. SHIOJIRI, Makoto, ČEH, Miran, ŠTURM, Sašo, CHUO, C. C., HSU, Jung-Tsung, YANG, Jer-Ren, SAIJO, Hiroshi. Determination of thickness and lattice distortion for the individual of strained Al_{0.14}Ga_{0.86}N/GaN superlattice by high-angle annular dark-field scanning transmission microscopy. *Applied physics letters*, ISSN 0003-6951. [Print ed.], 2005, vol. 87, str. 031914-1-031914-3. [COBISS.SI-ID [19223335](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[WoS\]](#) up to 12. 3. 2017: no. of citations (TC): 8, without self-citations (CI): 6, [Scopus](#) up to 18. 3. 2018: no. of citations (TC): 9, pure citations (CI): 7]

81. REČNIK, Aleksander, MÖBUS, Günter, ŠTURM, Sašo. IMAGE-WARP : a real-space restoration method for high-resolution STEM images using quantitative HRTEM analysis. *Ultramicroscopy*, ISSN 0304-3991. [Print ed.], 2005, vol. 103, str. 284-301. [COBISS.SI-ID [19220519](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[WoS\]](#) up to 29. 12. 2019: no. of citations (TC): 25, without self-citations (CI): 22, [Scopus](#) up to 18. 9. 2019: no. of citations (TC): 26, pure citations (CI): 23]

82. TCHERNYCHOVA, Elena, SCHEU, Christina, ŠTURM, Sašo, RICHTER, Gunther, WAGNER, Thomas, RÜHLE, Manfred. Atomic structure and bonding distance at the Pd/SrTiO₃(001) interface : [presented at Microscopy and Microanalysis 2004, August 1-5, 2004, Savannah, Georgia]. V: *Microscopy and Microanalysis 2004, August 1-5, 2004, Savannah, Georgia*, (Microscopy and Microanalysis, ISSN 1431-9276, Vol. 10, Suppl. 2, 2004). New York: Springer. 2004, vol. 10, suppl. 2, str. 278-279. [COBISS.SI-ID [18762535](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[Scopus\]](#) up to 22. 1. 2015: no. of citations (TC): 0, pure citations (CI): 0]
tipologija 1.08 -> 1.01

83. REČNIK, Aleksander, MÖBUS, Günter, ŠTURM, Sašo. Quantitative HAADF-STEM image analysis using IMAGE-WARP processing : presented at 31st Microscopy Conference 2003, September 7-12, Dresden, Germany. V: *31st Microscopy Conference 2003, September 7-12, Dresden, Germany*, (Microscopy and Microanalysis, ISSN 1431-9276, Vol. 9, Suppl. 3, 2003). New York: Springer. 2003, vol. 9, suppl. 3, str. 52-53. [COBISS.SI-ID [17732391](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[Scopus\]](#) up to 8. 8. 2015: no. of citations (TC): 0, pure citations (CI): 0]
tipologija 1.08 -> 1.01

84. ŠROT, Vesna, REČNIK, Aleksander, SCHEU, Christina, ŠTURM, Sašo, MIRTIČ, Breda. Stacking faults and twin boundaries in sphalerite crystals from the Trepča mines in Kosovo. *The American mineralogist*, ISSN 0003-004X, 2003, vol. 88, str. 1809-1816. [COBISS.SI-ID [17872679](#)], [\[JCR\]](#), [\[SNIP\]](#), [\[WoS\]](#) up to 28. 4. 2019: no. of citations (TC): 21, without self-citations (CI): 14, [Scopus](#) up to 16. 4. 2019: no. of citations (TC): 24, pure citations (CI): 17]

85. ČEH, Miran, ŠTURM, Sašo, REČNIK, Aleksander. HAADF STEM imaging of planar faults in nonstoichiometric $CaTiO_3$. *Materials science forum*, ISSN 0255-5476, 2003, vol. 413, str. 11-16. [COBISS.SI-ID [17222439](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 27. 1. 2019: no. of citations (TC): 2, without self-citations (CI): 1]
86. ŠTURM, Sašo, REČNIK, Aleksander, KAWASAKI, Masahiro, YAMAZAKI, Takashi, WATANABE, Kazuto, SHIOJIRI, Makoto, ČEH, Miran. Experimental atomically resolved HAADS-STEM imaging - a parametric study. *JEOL news, electron optics instruments/application*, ISSN 0385-4426, 2002, vol. 37E, str. 22-25. [COBISS.SI-ID [16944167](#)]
87. KOZJEK-ŠKOFIC, Irena, ŠTURM, Sašo, ČEH, Miran, BUKOVEC, Nataša. CeO_2 thin films obtained by sol-gel deposition and annealed in air or argon. *Thin solid films*, ISSN 0040-6090. [Print ed.], 2002, vol. 422, no. 1/2, str. 170-175, graf. prikazi. [COBISS.SI-ID [24717573](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 29. 12. 2019: no. of citations (TC): 35, without self-citations (CI): 29, [Scopus](#) up to 15. 12. 2019: no. of citations (TC): 39, pure citations (CI): 33]
88. ŠTURM, Sašo, REČNIK, Aleksander, ČEH, Miran. Nucleation and growth of planar faults in SrO-excess $SrTiO_3$. *Journal of the European ceramic society*, ISSN 0955-2219. [Print ed.], 2001, vol. 21, str. 2141-2144. [COBISS.SI-ID [16092967](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 31. 3. 2019: no. of citations (TC): 6, without self-citations (CI): 2, [Scopus](#) up to 14. 4. 2019: no. of citations (TC): 6, pure citations (CI): 2]
89. ŠTURM, Sašo, REČNIK, Aleksander, SCHEU, Christina, ČEH, Miran. Formation of Ruddlesden-Popper faults and polytype phases in sro-doped $SrTiO_3$. *Journal of materials research*, ISSN 0884-2914, 2000, vol. 15, str. 2131-2139. [COBISS.SI-ID [15400487](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 1. 12. 2019: no. of citations (TC): 20, without self-citations (CI): 15, [Scopus](#) up to 13. 10. 2019: no. of citations (TC): 22, pure citations (CI): 17]
90. ŠMIT, Žiga, PELICON, Primož, VIDMAR, Gregor, ZORKO, Benjamin, BUDNAR, Miloš, DEMORTIER, G., GRATUZE, B., ŠTURM, Sašo, NEČEMER, Marijan, KUMP, Peter, KOS, Mateja. Analysis of medieval glass by X-ray spectrometric methods : presented at 14th International Conference on Ion Beam Analysis/6th European Conference on Accelerators in Applied Research and Technology, Dresden, Germany 26-30 July 1999. *Nuclear instruments & methods in physics research. Section B, Beam interactions with materials and atoms*, ISSN 0168-583X. [Print ed.], 2000, vol. 161-163, str. 718-723. [COBISS.SI-ID [14979367](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 1. 12. 2019: no. of citations (TC): 22, without self-citations (CI): 17, [Scopus](#) up to 13. 1. 2020: no. of citations (TC): 31, pure citations (CI): 22]
91. ŠTURM, Sašo, MIRTIČ, Breda. Določanje izvora in starosti arheološkega stekla s preiskavo primarnih surovin = Definition of the origin and age of archaeological glass based on the investigation of the raw materials. *Kovine zlitine tehnologije*, ISSN 1318-0010, 1999, letn. 33, št. 3/4, str. 189-192, ilustr. [COBISS.SI-ID [155818](#)]
92. ŠTURM, Sašo, REČNIK, Aleksander, ČEH, Miran. Microstructure evolution in $SrTiO_3$ with different St/Ti ratios = Razvoj mikrostrukture v $SrTiO_3$ ob razaličnem razmerju Sr/Ti. *Kovine zlitine tehnologije*, ISSN 1318-0010, 1999, letn. 33, št. 6, str. 479-486, ilustr. [COBISS.SI-ID [204970](#)]

1.02 Review article

93. BENČAN, Andreja, TCHERNYCHOVA, Elena, ŠTURM, Sašo, SAMARDŽIJA, Zoran, MALIČ, Barbara, KOSEC, Marija. Approaches for a reliable compositional analysis of alkaline-based lead free perovskite ceramics using microanalytical methods. *Journal of advanced dielectrics*, ISSN 2010-135X, 2011, vol. 1, no. 1, str. 41-52. [COBISS.SI-ID [24522535](#)]

1.04 Professional article

94. AMBROŽIČ, Bojan (author, photographer), MILER, Miloš, MIRTIČ, Breda, GOSAR, Mateja, JERŠEK, Miha (author, photographer), ŠTURM, Sašo. Meteorit Jezersko. *Konkrecija : [revija Društva prijateljev mineralov in fosilov Slovenije]*, ISSN 2232-5581, apr. 2014, št. 3, str. 16-17, ilustr. [COBISS.SI-ID [2276693](#)]
95. AMBROŽIČ, Bojan, MILER, Miloš, MIRTIČ, Breda, GOSAR, Mateja, JERŠEK, Miha, ŠTURM, Sašo. Meteorit Jezersko. *Novice IJS*, ISSN 1581-2707. [Tiskana izd.], sep. 2014, št. 170, str. 10-13. [COBISS.SI-ID [2313045](#)]
96. ŠTURM, Sašo, SUVOROV, Danilo. Razvoj stekla od kamenodobnih puščic do satelitskih postaj (I.). *Kemiya v šoli*, ISSN 0353-4928, marec 2001, letn. 13, št. 1, str. 18-27, ilustr. [COBISS.SI-ID [4120649](#)]

97. ŠTURM, Sašo, SUVOROV, Danilo. Razvoj stekla od kamenodobnih puščic do satelitskih postaj (II.). *Kemija v šoli*, ISSN 0353-4928, junij 2001, letn. 13, št. 2, str. 33-35, ilustr. [COBISS.SI-ID [16852519](#)]

1.05 Popular article

98. ŠTURM, Sašo. Vpliv politipnih ploskovnih napak na razvoj mikrostrukture v nestehiometričnem nestehiometričnem $SrTiO_3$ ($Sr/Ti=1.05$). *Novice*, januar 2000, str. 12-14. [COBISS.SI-ID [14837543](#)]

1.06 Published scientific conference contribution (invited lecture)

99. ŠTURM, Sašo, TCHERNYCHOVA, Elena, OW-YANG, Cleva, INAN, Guliz, JERIČ, Marja, ČEH, Miran. Applications of scanning transmission electron microscopy (STEM). V: *Book of tutorials and abstracts*, EMAS 2015, 14th European Workshop on Modern Developments and Applications in Microbeam Analysis, Portorož, Slovenia, 3 to 7 May 2015. Antwerpen: EMAS. 2015, str. 177-186. [COBISS.SI-ID [28626727](#)]

100. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SARANTOPOULOU, Evangelia, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. Physical-metallurgical aspect of formation of core-shell and hollow nanospheres. V: KORAĆ, Marija (ur.). *Proceedings and Book of Abstracts*. Belgrade: Association of Metallurgical Engineers of Serbia (AMES). 2015, str. 37- 47. [COBISS.SI-ID [1206878](#)]

101. ČEH, Miran, ŠTURM, Sašo, SAIJO, Hiroshi, HSU, Jung-Tsung, CHEN, Miin-Jang, YANG, J. R., SHIOJIRI, Makoto, et al. HAADF-STEM investigations of layered structures on nano and atom scale. V: GRIFFIN, Brendan J. (ur.), FARAONE, Lorenzo (ur.), MARTYNIAK, Mariusz (ur.). *Conference proceedings*, APMC10, 10th Asia-Pacific Microscopy Conference, ICONN2012, 2012 International Conference on Nanoscience and Nanotechnology, ACMM22, 22nd Australian Conference on Microscopy and Microanalysis, 5-9 February, Perth, WA, Australia. [S. l.: s. n.]. 2012, str. 1064-1-1064-2. [COBISS.SI-ID [25596711](#)]

102. ČEH, Miran, ŠTURM, Sašo, SHIOJIRI, Makoto. Influence of Debye-Waller factor on atom column intensity calculations in HR HAADF-STEM imaging. V: NEBESÁŘOVÁ, Jana (ur.), HOZÁK, Pavel (ur.). *Proceedings*, 8th Multinational Congress on Microscopy, June 17-21, 2007, Prague Czech Republic. [Prague]: Czechoslovak Microscopy Society. cop. 2007, str. 33-36. [COBISS.SI-ID [20972327](#)]

103. ČEH, Miran, ŠTURM, Sašo, GU, Hui, SHIOJIRI, Makoto. Qualitative and quantitative interpretation of atomic-resolution HAADF-STEM images. V: GAJOVIĆ, Srećko (ur.). *Proceedings = Zbornik radova*, [2. hrvatski mikroskopijski kongres s međunarodnim sudjelovanjem] = 2nd Croatian Congress on Microscopy with International participation, May 18-21, 2006, Topusko, Croatia. Zagreb: Croatian Society for Electron Microscopy. 2006, str. 53-54. [COBISS.SI-ID [20268583](#)]

104. ČEH, Miran, ŠTURM, Sašo, GU, Hui, SHIOJIRI, Makoto. HAADF-STEM imaging : from a qualitative to a quantitative interpretation of atomic-resolution HAADF-STEM images. V: *8th Inter American Congress on Electron Microscopy, CIASEM 2005 : September 25-30, 2005, La Habana, Cuba : proceedings*. [S.I.]: CIASEM. 2005, 2 str. [COBISS.SI-ID [19448615](#)]

105. ČEH, Miran, ŠTURM, Sašo, GU, Hui, SHIOJIRI, Makoto. Qualitative and quantitative interpretation of atomic resolution HAADF-STEM images. V: *Abstract book*, IX. Conference and exhibition of the European Ceramic Society, 19.-23. June, 2005. [Ljubljana: The Slovenian Ceramic Society]. 2005, str. 275-276. [COBISS.SI-ID [19222823](#)]

106. ŠTURM, Sašo, KOCH, C., ČEH, Miran, TCHERNYCHOVA, Elena, RÜHLE, Manfred. Quantitative HRTEM and HAADF-STEM analysis of Ruddlesden-Popper planar faults in nonstoichiometric $SrTiO_3$. V: ČEH, Miran (ur.), DRAŽIĆ, Goran (ur.), FIDLER, Sanja (ur.). *Proceedings*, 7th Multinational Congress on Microscopy, June 26-30, 2005, Portorož, Slovenia. Ljubljana: Slovene Society for Microscopy: Department for Nanostructured Materials, "Jožef Stefan" Institute. 2005, str. 59-62. [COBISS.SI-ID [19222055](#)]

107. ČEH, Miran, ŠTURM, Sašo, GU, Hui, SHIOJIRI, Makoto. Atomic-resolution HAADF-STEM imaging : applications in materials science. V: DRAŽIĆ, Goran (ur.), et al. *Book of tutorials & abstracts*, EMAS 2004, 6th Regional Workshop on

Electron Probe Microanalysis Practical Aspects, 8-11 May, 2004, Bled, Slovenia. [S.I.]: European Microbeam Analysis Society. 2004, str. 43-54. [COBISS.SI-ID [18748199](#)]

108. REČNIK, Aleksander, MÖBUS, Günter, ŠTURM, Sašo. Real-space processing of scanning transmission electron microscopy images. V: MILAT, Ognjen (ur.), JEŽEK, Davor (ur.). *Proceedings, 6th Multinational Congress on Microscopy - European Extension*, Pula, Croatia, June 1-5, 2003. Zagreb: Croatian Society for Electron Microscopy. 2003, str. 73-74. [COBISS.SI-ID [17532455](#)]

109. ČEH, Miran, REČNIK, Aleksander, ŠTURM, Sašo. HRTEM and STEM of ruddlesnes-popper faults in nonstoichiometric $CaTiO_3$. V: DINI, L. (ur.), CATALANO, M. (ur.). *Proceedings of 5th Multinational Congress on Electron Microscopy : September 20-25, 2001, Lecce, Italy*. Princeton: Rinton Press. cop. 2001, str. 453-459. [COBISS.SI-ID [16163879](#)]

1.08 Published scientific conference contribution

110. BARBER, Polona, ŠTURM, Sašo, GÜLGÜN, Mehmet Ali, VRABEC, Mirijam. Analiza procesov hidratacije belita. V: ROŽIČ, Boštjan (ur.). *Razprave, poročila = Treatises, reports*, 24. posvetovanje slovenskih geologov = 24th Meeting of Slovenian Geologists, Ljubljana, november 2019, (Geološki zbornik, ISSN 0352-3802, 25). Ljubljana: Univerza v Ljubljani, Naravoslovnotehniška fakulteta, Oddelek za geologijo. 2019, str. 4-7. [COBISS.SI-ID [1538398](#)]

111. PAI, Woei Wu, NASRETDINOVA, Venera, ZUPANIČ, Erik, MIDDEN, Herman J. P. van, VAN MIDDEN, Marion, ŠTURM, Sašo, PRODAN, Albert, TCHERNYCHOVA, Elena, et al. STM studies of the charge-density waves in $NbS_3 - II$. V: *Nanofizika i nanoelektronika : trudi XXII. meždunarodnogo simpoziuma, 13- 15 marta 2018, Nižni Novgorod, Rossija. Tom 1, sek. 1/5*. Nižni Novgorod: Nižegorodskii gosuniverpsitet: Institut fiziiki mikrostruktur. 2018, str. 285-286. [COBISS.SI-ID [31298343](#)]

112. KIMURA, Yuki, KUSANO, Shizuka, ŠTURM, Sašo, TANAKA, Kyoko K., YAMAZAKI, Takashi, SAITO, Fumiaki, SATOH, Yosuke, INATOMI, Yuko. Elucidating the early processes of cosmic dust formation based on microgravity experiments using aircrafts. V: *Proceedings of The Thirty-first Space Utilization Symposium, January 16-17, 2017, Kanagawa, Japan*, (Space utilization research, 31). Kanagawa: Institute of Space and Astronautical Science. 2017, 4 str. [COBISS.SI-ID [30429479](#)]

113. KAPUN, Gregor, ŠTURM, Sašo, JERMAN, Ivan, MERZEL, Franci, BINYAMIN, Yaniv. A 3D phase analysis method as a tool for the fatigue determination of absorber surfaces. V: *22nd SolarPACES Conference, 11 - 14 October 2016, Abu Dhabi, UAE*. Abu Dhabi: [s. n.]. 2016, str. [1-10]. [COBISS.SI-ID [6087706](#)]

114. ARSHAD, Muhammad Shahid, PEČKO, Darja, ZAVAŠNIK, Janez, ŠTURM, Sašo, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina, et al. Cobalt-platinum alloy nanostructures as potential candidates for racetrack magnetic data storage devices. V: REŠETIČ, Andraž (ur.), et al. *Zbornik : 2. del = Proceedings : part 2*, 7. študentska konferenca Mednarodne podiplomske šole Jožefa Stefana = 7th Jožef Stefan International Postgraduate School Students' Conference, 20.-22. 5. 2015, Ljubljana. Ljubljana: Mednarodna podiplomska šola Jožefa Stefana. 2015, zv. 1, str. 270-277. [COBISS.SI-ID [28612135](#)]

115. ŽAGAR, Kristina, HERNANDEZ-RAMIREZ, Francisco, PRADES, Joan Daniel, MORANTE, Joan Ramón, REČNIK, Aleksander, ŠTURM, Sašo, ČEH, Miran. Insight into the structural and electrical properties of individual $BaTiO_3$ nanorods. V: *MC 2013 : Microscopy Conference 2013, August 25-30, Regensburg, Germany*. [S. l.: s. n.]. 2013, str. 403-404. [COBISS.SI-ID [26984999](#)]

116. ŠTURM, Sašo. Correlated EDXS adn EELS compositional analyses in Dy-doped Nd-Fe-B-based magnets. V: *MC 2013 : Microscopy Conference 2013, August 25-30, Regenburg, Germany*. [S. l.: s. n.]. 2013, str. 521-522. [COBISS.SI-ID [27452455](#)]

117. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SARANTOPOULOU, Evangelia, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. AEM of complex nanospheres formed by pulsed-laser deposition from an Al target in a nitrogen atmosphere. V: *MCM 2011 : [proceedings]*, 10th Multinational Congress on Microscopy 2011, September 4-9, 2011, Urbino, Italy. [S. l.]: Società Italiana Scienze Micriscopiche. 2011, str. 519-520. [COBISS.SI-ID [25023015](#)]

- 118.** LENART, Alenka, SAMARDŽIJA, Zoran, MIRTIČ, Breda, GODEC, Matjaž, ŠTURM, Sašo. EBSD and TEM analysis of the composition plane of Japanese twins in quartz. V: *MCM 2011 : [proceedings]*, 10th Multinational Congress on Microscopy 2011, September 4-9, 2011, Urbino, Italy. [S. l.]: Società Italiana Scienze Micriscopiche. 2011, str. 641-642. [COBISS.SI-ID [25022247](#)]
- 119.** MAKOVEC, Darko, PRIMC, Darinka, ŠTURM, Sašo, KODRE, Alojz, DROFENIK, Mihael. Synthesis and structural properties of ultrafine barium-hexaferrite nanoparticles. V: *Program and abstracts*, EMM FM 2011, First Euro-Mediterranean Meeting on Functionalized Materials, September 06-10, 2011, Sousse, Tunisia. [S. l.: s. n.], 2011, str. 51. [COBISS.SI-ID [25442087](#)]
- 120.** LENART, Alenka, SAMARDŽIJA, Zoran, MIRTIČ, Breda, ŠTURM, Sašo. Elektronska mikroskopija stične ravnine japonskega dvojčka. V: ROŽIČ, Boštjan (ur.). *Razprave, poročila = Treatises, reports*, 20. posvetovanje slovenskih geologov = 20th Meeting of Slovenian Geologists, Ljubljana, november 2011, (Geološki zbornik, ISSN 0352-3802, 21). Ljubljana: Univerza v Ljubljani, Naravoslovnotehniška fakulteta, Oddelek za geologijo. 2011, str. 77-79. [COBISS.SI-ID [25324583](#)]
- 121.** JANČAR, Boštjan, SAMARDŽIJA, Zoran, ŠTURM, Sašo, OVCHAR, Oleg V., BILOUS, A. Cation-vacancy-induced microstructures of barium cobalt niobate perovskites. V: *Revealing the nanoworld in life and materials science : proceedings*, IMC 17, 17th International Microscopy Congress, Sepetember 19-24, Rio de Janeiro, Brazil. [S. l.]: SBMM: = Sociedade Brasileira de Microscopia e Microanálise. 2010, 2 str. [COBISS.SI-ID [24006183](#)]
- 122.** LOGAR, Manca, JANČAR, Boštjan, REČNIK, Aleksander, ŠTURM, Sašo, SUVOROV, Danilo. Functional nanocomposites via self-assembly of polyelectrolytes. V: *Revealing the nanoworld in life and materials science : proceedings*, IMC 17, 17th International Microscopy Congress, Sepetember 19-24, Rio de Janeiro, Brazil. [S. l.]: SBMM: = Sociedade Brasileira de Microscopia e Microanálise. 2010, 2 str. [COBISS.SI-ID [24322855](#)]
- 123.** ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Sabina, SARANTOPOULOU, Evangelia, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. Hollow nanospheres formation through nanoscale melt-solidification mechanism in Sm-Fe(TA)-N system. V: *Revealing the nanoworld in life and materials science : proceedings*, IMC 17, 17th International Microscopy Congress, Sepetember 19-24, Rio de Janeiro, Brazil. [S. l.]: SBMM: = Sociedade Brasileira de Microscopia e Microanálise. 2010, 2 str. [COBISS.SI-ID [24323111](#)]
- 124.** ŠTURM, Sašo, GÜLGÜN, Mehmet Ali. Y segregation behavior controlled by the transient precipitation in saturated Y-doped alumina. V: GROGGER, Werner (ur.), HOFER, Ferdinand (ur.), PÖLT, Peter (ur.). *MC 2009. Vol. 3, Materials Science*, Microscopy Conference, Graz, Austria, 30 August - 4 September 2009. Graz: Verlag der Technischen Universität. 2009, str. 279-280. [COBISS.SI-ID [22873383](#)]
- 125.** RASKOVA, B., ŠTURM, Sašo, et al. EELS measurements and Ab-initio calculations of the N-K edge in TiN/VN films deposited on MgO substrates. V: GROGGER, Werner (ur.), HOFER, Ferdinand (ur.), PÖLT, Peter (ur.). *MC 2009. Vol. 3, Materials Science*, Microscopy Conference, Graz, Austria, 30 August - 4 September 2009. Graz: Verlag der Technischen Universität. 2009, str. 285-286. [COBISS.SI-ID [22873639](#)]
- 126.** GAJOVIĆ, Andreja, ŠTURM, Sašo, JANČAR, Boštjan, ČEH, Miran. Phase relations in the Fe-Bi-O system under hydrothermal conditions. V: RICHTER, Silvia (ur.), SCHWEDT, Alexander (ur.). *EMC 2008*, 14th European Microscopy Congress, 1-5 September 2008, Aachen, Germany. Berlin; Heidelberg: Springer. 2008, zv. 2, str. 129-130. [COBISS.SI-ID [22164775](#)]
- 127.** ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Template-assisted synthesis and characterization of $SrTiO_3$ nanostructures. V: RICHTER, Silvia (ur.), SCHWEDT, Alexander (ur.). *EMC 2008*, 14th European Microscopy Congress, 1-5 September 2008, Aachen, Germany. Berlin; Heidelberg: Springer. 2008, zv. 2, str. 585-586. [COBISS.SI-ID [21984039](#)]
- 128.** ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, SARANTOPOULOU, Evangelia, KOBE, Spomenka. Structural and compositional properties of Sm-Fe-Ta magnetic nanospheres prepared by pulsed-laser depositin at 157 nm in a N_2 atmosphere. V: RICHTER, Silvia (ur.), SCHWEDT, Alexander (ur.). *EMC 2008*, 14th European Microscopy Congress, 1-5 September 2008, Aachen, Germany. Berlin; Heidelberg: Springer. 2008, vol. 2, str. 627-628. [COBISS.SI-ID [21983783](#)]
- 129.** ŽUŽEK ROŽMAN, Kristina, MCGUINNESS, Paul J., KOVAČ, Janez, ŠTURM, Sašo, SAMARDŽIJA, Zoran, MARKOLI, Boštjan, KOBE, Spomenka. One- and two-dimensional electro-deposited Co-Pt-based nanostructures. V: NIARCHOS, Dimitrios (ur.). *REPM'08 : proceedings of 20th International Workshop on Rare Earth Permanent Magnets & their Applications*, September 8-10, Knossos, Crete. [S. l.: s. n.]. 2008, str. 247-251. [COBISS.SI-ID [21991463](#)]

130. SCHEU, Christina, CHA, L. M., ŠTURM, Sašo, CHLADIL, Harald F., MAYRHOFER, Paul H., CLEMENS, Helmut, WOLF, Walter, PODLOUCKY, Raimund. Structure models of massively transformed high niobium containing TiAl alloys : [presented at Advanced Intermetallic-Based Alloys November 27-30, 2006, Boston, MA]. *Materials Research Society symposia proceedings*, ISSN 0272-9172, 2007, vol. 980, str. 0980-II05-1-0980-II05-6. [COBISS.SI-ID [20624679](#)], [Scopus up to 10. 2. 2016: no. of citations (TC): 3, pure citations (CI): 3]

131. ŠTURM, Sašo, JANČAR, Boštjan, BRAČKO, Ines. Towards understanding the hydrothermal synthesis of nanostructured $CaTiO_3$: HRTEM and EELS study. V: NEBESÁŘOVÁ, Jana (ur.), HOZÁK, Pavel (ur.). *Proceedings, 8th Multinational Congress on Microscopy*, June 17-21, 2007, Prague Czech Republic. [Prague]: Czechoslovak Microscopy Society. cop. 2007, str. 165-166. [COBISS.SI-ID [21005351](#)]

132. ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Template-assisted synthesis and characterization of $BaTiO_3$ nanorods. V: NEBESÁŘOVÁ, Jana (ur.), HOZÁK, Pavel (ur.). *Proceedings, 8th Multinational Congress on Microscopy*, June 17-21, 2007, Prague Czech Republic. [Prague]: Czechoslovak Microscopy Society. cop. 2007, str. 323-324. [COBISS.SI-ID [20843815](#)]

133. ČEH, Miran, ŠTURM, Sašo, SHIOJIRI, Makoto, HSU, Jung-Tsung, YANG, Jer-Ren, SAIJO, Hiroshi. Determination of the thickness and the lattice distortions in $Al_{0.14}Ga_{0.86}N$ and GaN layers in strained-layer superlattice cladding in GaN-based violet laser diodes. V: *8th Inter American Congress on Electron Microscopy, CIASEM 2005 : September 25-30, 2005, La Habana, Cuba : proceedings*. [S.I.]: CIASEM. 2005, 2 str. [COBISS.SI-ID [19448359](#)]

134. JANČAR, Boštjan, ŠTURM, Sašo, BEZJAK, Jana, SUVOROV, Danilo, DAVIES, Peter K. Formation of twins in the $Ba_3ZnNb_2O_9 - Ba_2ZnWO_6$. V: *Abstract book*, IX. Conference and exhibition of the European Ceramic Society, 19.-23. June, 2005. [Ljubljana: The Slovenian Ceramic Society]. 2005, str. 169-170. [COBISS.SI-ID [19222311](#)]

135. WETSCHER, F., PIPPAN, R., ŠTURM, Sašo, KAUFFMANN, F., SCHEU, Christina, DEHM, Gerhard. Microstructural evolution of a pearlitic steel during severe plastic deformation. V: *Abstract book*, IX. Conference and exhibition of the European Ceramic Society, 19.-23. June, 2005. [Ljubljana: The Slovenian Ceramic Society]. 2005, str. 187-188. [COBISS.SI-ID [19222567](#)]

136. CHA, L. M., RICHTER, Gunther, SCHEU, Christina, WAGNER, T., ŠTURM, Sašo, RÜHLE, Manfred. An intermetallic and metastable phase formation between Cu and Al films. V: *Abstract book*, IX. Conference and exhibition of the European Ceramic Society, 19.-23. June, 2005. [Ljubljana: The Slovenian Ceramic Society]. 2005, str. 347-348. [COBISS.SI-ID [19223079](#)]

137. ČEH, Miran, ŠTURM, Sašo, SAIJO, Hiroshi, HSU, Jung-Tsung, YANG, Jer-Ren, SHIOJIRI, Makoto. HAADF-STEM imaging of AlGaN/GaN strained-layers superstructures in the Ga-N-based violet laser diodes. V: *Microscopy for human life : proceedings, 8th Asia-Pacific Conference on Electron Microscopy (8APEM) in conjunction with the 60th Annual Meeting of the Japanese Society of Microscopy*, June 7 to 11, 2004, Kanazawa, Japan. Tokyo: Japanese Society of Microscopy. 2004, str. 509-510. [COBISS.SI-ID [18290727](#)]

138. ŠTURM, Sašo, REČNIK, Aleksander, ČEH, Miran, YAMAZAKI, Takashi, KAWASAKI, Masahiro, SHIOJIRI, Makoto. Quantitative high-resolution HAADF-STEM analysis of planar faults in AO-doped $SrTiO_3$ ceramics (A=Sr, Ca, Ba). V: *Microscopy for human life : proceedings, 8th Asia-Pacific Conference on Electron Microscopy (8APEM) in conjunction with the 60th Annual Meeting of the Japanese Society of Microscopy*, June 7 to 11, 2004, Kanazawa, Japan. Tokyo: Japanese Society of Microscopy. 2004, str. 546-547. [COBISS.SI-ID [18292263](#)]

139. ČEH, Miran, ŠTURM, Sašo, SHIOJIRI, Makoto. Intensity variations of the atomic columns in HR HAADF-STEM images originating from lattice distortions. V: SCHRYVERS, Dominique (ur.), TIMMERMANS, Jean-Pierre (ur.). *Proceedings of the 13th European Microscopy Congress [EMC 2004] : Antwerp, Belgium, August 22-27, 2004*. Liège: Belgian Society for Microscopy. 2004, zv. I, str. 387-388. [COBISS.SI-ID [18765607](#)]

140. ČEH, Miran, ŠTURM, Sašo, SAIJO, Hiroshi (scribe), HSU, Jung-Tsung, YANG, Jer-Ren, SHIOJIRI, Makoto. Determining the thickness of the layers in a AlGaN/GaN strained-layer superstructure in GaN-based violet laser diodes using HAADF-STEM imaging. V: SCHRYVERS, Dominique (ur.), TIMMERMANS, Jean-Pierre (ur.). *Proceedings of the 13th European Microscopy Congress [EMC 2004] : Antwerp, Belgium, August 22-27, 2004*. Liège: Belgian Society for Microscopy. 2004, zv. II, str. 173-174. [COBISS.SI-ID [18765863](#)]

141. ČEH, Miran, ŠTURM, Sašo, YAMAZAKI, Takashi, WATANABE, Kazuto, SHIOJIRI, Makoto. Structure effect on intensity of atomic resolution HAADF-STEM images. V: MILAT, Ognjen (ur.), JEŽEK, Davor (ur.). *Proceedings, 6th Multinational*

Congress on Microscopy - European Extension, Pula, Croatia, June 1-5, 2003. Zagreb: Croatian Society for Electron Microscopy. 2003, str. 165-166. [COBISS.SI-ID [17542439](#)]

142. ŠTURM, Sašo, REČNIK, Aleksander, ČEH, Miran. Quantitative HAADF-STEM analysis of antiphase boundaries in $SrTiO_3$ doped with SrO and Cao. V: MILAT, Ognjen (ur.), JEŽEK, Davor (ur.). *Proceedings*, 6th Multinational Congress on Microscopy - European Extension, Pula, Croatia, June 1-5, 2003. Zagreb: Croatian Society for Electron Microscopy. 2003, str. 197-198. [COBISS.SI-ID [17532199](#)]

143. ŠROT, Vesna, REČNIK, Aleksander, SCHEU, Christina, ŠTURM, Sašo, MIRTIČ, Breda. On the genesis of sphalerite crystals from the Trepča mines in Kosovo. V: MILAT, Ognjen (ur.), JEŽEK, Davor (ur.). *Proceedings*, 6th Multinational Congress on Microscopy - European Extension, Pula, Croatia, June 1-5, 2003. Zagreb: Croatian Society for Electron Microscopy. 2003, str. 199-200. [COBISS.SI-ID [17531943](#)]

144. SAMARDŽIJA, Zoran, ŠTURM, Sašo, ČEH, Miran. Electron-probe microanalysis of BaO-doped $SrTiO_3$. V: MILAT, Ognjen (ur.), JEŽEK, Davor (ur.). *Proceedings*, 6th Multinational Congress on Microscopy - European Extension, Pula, Croatia, June 1-5, 2003. Zagreb: Croatian Society for Electron Microscopy. 2003, str. 408-409. [COBISS.SI-ID [17542183](#)]

145. ČEH, Miran, ŠTURM, Sašo, REČNIK, Aleksander, YAMAZAKI, Takashi, WATANABE, Kazuto, SHIOJIRI, Makoto. The influence of focus on resolution and contrast variations in experimental HAADF-STEM images. V: *Proceedings*, ICEM 15, 15th International Congress on Electron Microscopy, Durban, South Africa, 1-6 September 2002. [S.I.]: Microscopy Society of Southern Africa. 2002, zv. 1, str. 493-494. [COBISS.SI-ID [16941863](#)]

146. ŠTURM, Sašo, REČNIK, Aleksander, ČEH, Miran. Chemistry of planar faults in AO doped $SrTiO_3$ (A=Ca,Sr,Ba) resolved by image-WARP processing of HAADS-STEM images. V: *Proceedings*, ICEM 15, 15th International Congress on Electron Microscopy, Durban, South Africa, 1-6 September 2002. [S.I.]: Microscopy Society of Southern Africa. 2002, zv. 1, str. 495-496. [COBISS.SI-ID [16942119](#)]

147. ŠTURM, Sašo, REČNIK, Aleksander, ČEH, Miran. Atomic resolution HAADF STEM imaging of the superstructure-ordered phase in the BaO-doped $SrTiO_3$. V: DINI, L. (ur.), CATALANO, M. (ur.). *Proceedings of 5th Multinational Congress on Electron Microscopy : September 20-25, 2001, Lecce, Italy*. Princeton: Rinton Press. cop. 2001, str. 493-494. [COBISS.SI-ID [16165415](#)]

148. ŠTURM, Sašo, REČNIK, Aleksander, SCHEU, Christina, ČEH, Miran. EDS study of planar faults in SrO doped $SrTiO_3$. V: *Proceedings of the 12th European Congress on Electron Microscopy, held in Brno, Czech Republic, from 9th to 14th July 2000*. Brno: Czechoslovak Society for Electron Microscopy. 2000, vol. II, str. P221-P222. [COBISS.SI-ID [15113767](#)]

149. JERŠEK, Miha, REČNIK, Aleksander, DANEU, Nina, ŠTURM, Sašo, MIRTIČ, Breda. Colour zoning and inclusions in sapphires from Southern Vietman. V: *Proceedings of the 12th European Congress on Electron Microscopy, held in Brno, Czech Republic, from 9th to 14th July 2000*. Brno: Czechoslovak Society for Electron Microscopy. 2000, vol. II, str. P669-P670. [COBISS.SI-ID [15115815](#)]

150. ŠTURM, Sašo, REČNIK, Aleksander, ČEH, Miran. Characteristics and morphology of planar faults in SrO doped $SrTiO_3$. V: KOVÁCS, Kristóf (ur.). *Proceedings*, 4th Multinational Congress on Electron Microscopy, Veszprém, Hungary, September 5-8, 1999. Veszprém: University of Veszprém. 1999, str. 365-366. [COBISS.SI-ID [14315047](#)]

1.10 Published scientific conference contribution abstract (invited lecture)

151. ŽAGAR, Kristina, ŠTURM, Sašo, KOVÁCS, András, SAVENKO, Aleksei, SODERŽNIK, Marko, DUNIN-BORKOWSKI, Rafal E., MAYER, Joachim, KOBE, Spomenka. Correlative characterization from atoms to magnetic field in hard magnets. V: PIRKER, Luka (ur.), et al. *Knjiga povzetkov*, 3. slovensko posvetovanje mikroskopistov, 16. in 17. maj, Ankaran. 1. izd. Ljubljana: Slovensko društvo za mikroskopijo. 2019, str. 20. [COBISS.SI-ID [32387367](#)]

152. ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, ARSHAD, Muhammad Shahid, PINTAR, Albin, TRAFELA, Špela, DRAME, Anja, ŠTURM, Sašo, KOSTEVŠEK, Nina, et al. Electrodeposited nanostructures for magnetic, energy and sensing applications. V: *Program and abstracts : energy materials nanotechnology*, EMN Meeting 2018, Energy Materials Nanotechnology, May 14 to 18, 2018, Heraklion, Crete, Greece. [S. l.: s. n.]. 2018, str. 37. [COBISS.SI-ID [31425063](#)]

- 153.** KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo. Theranostic multimodal nanoparticles with a combined magneto-photothermal effect for nanomedical applications. V: *Program and abstracts : energy materials nanotechnology*, EMN Meeting 2018, Energy Materials Nanotechnology, May 14 to 18, 2018, Heraklion, Crete, Greece. [S. l.: s. n.]. 2018, str. 38. [COBISS.SI-ID [31424807](#)]
- 154.** DUBOIS, Jean-Marie, KELHAR, Luka, ŠTURM, Sašo, KOBE, Spomenka. Rare earth-containing multi-component metallic glasses. V: *Sustainable Industrial Processing Summit & Exhibition, SIPS 2018, 4-7 November 2018, Rio de Janeiro, Brazil*. [S. l.: s. n.]. 2018. https://www.flogen.org/sips2018/technical_program.php? [a=a1d0c6e83f027327d8461063f4ac58a6](#). [COBISS.SI-ID [32068903](#)]
- 155.** ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SARANTOPOULOU, Evangelia, CEFALAS, Alciviadis-Constantinos, KOLLIA, Zoe, KOBE, Spomenka. TEM analysis of core-shell and hollow nanospheres. V: GAJOVIĆ, Andreja (ur.). *Book of abstracts*, 13th Multinational Congress on Microscopy, September 24-29, 2017, Rovinj, Croatia. Zagreb: Ruđer Bošković Institute: Croatian Microscopy Society. 2017, str. 535-537. https://mcm2017.irb.hr/content/download/12335/212504/file/BoA_MCM2017.pdf. [COBISS.SI-ID [31132455](#)]
- 156.** KAPUN, Gregor, MARINŠEK, Marjan, SKALAR, Tina, MAJOROVITS, Endre, MERZEL, Franci, ŠTURM, Sašo, GABERŠEK, Miran. Three-dimensional microstructural evolution during sintering of Ni-SDC cermets for SOFC anode reconstructed by FIB-SEM nanotomography. V: GAJOVIĆ, Andreja (ur.). *Book of abstracts*, 13th Multinational Congress on Microscopy, September 24-29, 2017, Rovinj, Croatia. Zagreb: Ruđer Bošković Institute: Croatian Microscopy Society. 2017, str. 536. https://mcm2017.irb.hr/content/download/12335/212504/file/BoA_MCM2017.pdf. [COBISS.SI-ID [31131943](#)]
- 157.** ČEH, Miran, ŠTURM, Sašo, JANČAR, Boštjan, REČNIK, Aleksander, DANEU, Nina, DRAŽIĆ, Goran, JERIČ, Marja, KOŠIR, Mateja, PRESEČNIK, Matej, BERNIK, Slavko, OW-YANG, Cleva, GÜLGÜN, Mehmet Ali, BOOR, Johannes de. HRTEM and HRSTEM Investigations of oxide thermoelectric materials. V: GAJOVIĆ, Andreja (ur.). *Book of abstracts*, 13th Multinational Congress on Microscopy, September 24-29, 2017, Rovinj, Croatia. Zagreb: Ruđer Bošković Institute: Croatian Microscopy Society. 2017, str. VIII-X. https://mcm2017.irb.hr/content/download/12335/212504/file/BoA_MCM2017.pdf. [COBISS.SI-ID [30810151](#)]
- 158.** ČEH, Miran, ŠTURM, Sašo, JANČAR, Boštjan, REČNIK, Aleksander, DANEU, Nina, DRAŽIĆ, Goran, JERIČ, Marja, KOŠIR, Mateja, PRESEČNIK, Mojca, BERNIK, Slavko, OW-YANG, Cleva, GÜLGÜN, Mehmet Ali, BOOR, Johannes de. (S)TEM investigations of oxide thermoelectric materials : presented at XIV. Interamerican Congress of Microscopy, CIASEM 2017, September 25-29, Meliá, Cuba. V: GAJOVIĆ, Andreja (ur.). *Book of abstracts*, 13th Multinational Congress on Microscopy, September 24-29, 2017, Rovinj, Croatia. Zagreb: Ruđer Bošković Institute: Croatian Microscopy Society. 2017, vol. 26, supp. A, 2 str. [COBISS.SI-ID [31443751](#)], [[JCR](#), [SNIP](#)]
- 159.** ŠTURM, Sašo, AMBROŽIČ, Bojan, BELE, Marjan. Dynamic studies of nucleation and growth phenomena of nanomaterials. V: *Final program*, European Congress on Exhibition on Advanced Materials and Processes, 17-22 September 2017, Thessaloniki, Greece. [S. l.]: FEMS = Federation of European Materials Society. 2017. [COBISS.SI-ID [31129895](#)]
- 160.** ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, ARSHAD, Muhammad Shahid, TRAFELA, Špela, XU, Xuan, ŠTURM, Sašo, PROENCA, M. P. Mariana, VÁZQUEZ, Manuel, WOLFF, Ulli, NEU, Volker, ERDANI-KREFT, Mateja, HUDOKLIN, Samo, KOBE, Spomenka, KOSTEVŠEK, Nina. Magnetic nanostructures with added functionalities for future magnetic and medical applications. V: *NANOAPP 2017, Nanomaterials & Application : 14-18 June 2017, Bled, Slovenia*. [S. l.: s. n.]. 2017. http://nanoapp.ios.si/wp-content/uploads/2013/09/0_Draft-Book-of-Abstracts_2017_V2.pdf. [COBISS.SI-ID [30581543](#)]
- 161.** ČEH, Miran, JERIČ, Marja, KOŠIR, Mateja, ŠTURM, Sašo, BERNIK, Slavko, OW-YANG, Cleva, GÜLGÜN, Mehmet Ali. HR(S)TEM investigations of planar faults in oxide thermoelectrics. V: *PICO 2017*, Fourth Conference on Frontiers of Aberration Corrected Electron Microscopy [and] Colloquia honouring Robert Sinclair and Nestor Zaluzec, 30 April - 4 May 2017, Vaalsbroek, NL 210% a[S. l. cs. n.] d2018. [S. l.: s. n.]. 2018, str. D.11. [COBISS.SI-ID [31443495](#)]
- 162.** ŠTURM, Sašo. Prospects and difficulties of liquid cell transmission electron microscopy at elevated temperatures. V: *Satellite workshop COEX - combining electrons with X-rays for integrated in-operando : Septemebr 23-24, 2017, Trieste*. <https://coex.iom.cnr.it/>. [COBISS.SI-ID [31131687](#)]
- 163.** ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SARANTOPOULOU, Evangelia, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. Formation of core-shell and hollow nanospheres during pulsed laser ablation-PLA. V: *CVETKOVSKI, Sveto (ur.), NAČEVSKI, Goran (ur.). Metallurgy, materials and environment : book of*

abstracts, VIIth International metallurgical congress, 09.06.-12.06. 2016, Ohrid, Macedonia. Skopje: Macedonian union of metallurgists. 2016, str. 29. [COBISS.SI-ID [1623647](#)]

164. ŠTURM, Sašo, AMBROŽIČ, Bojan, KOSTEVŠEK, Nina, BELE, Marjan, ŽUŽEK ROŽMAN, Kristina. Transmission electron microscopy in liquid environments : a powerful tool for dynamic studies of nucleation and growth phenomena of nanomaterials. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 205. [COBISS.SI-ID [31090983](#)]

165. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, ŽAGAR, Kristina, BOULET, Pascal, WEERD, Marie-Cécile de, DUBOIS, Jean-Marie, LEDIEU, Julian, KOBE, Spomenka. High-resolution transmission electron microscopy and spectroscopy of nanostructures and interfaces in metallic systems : HRTEM investigations. V: *SIPS 2016, 4th Dubois International Symposium on Sustainable Complex Metallic Systems, 6-10 November 2016, Hainan, China*. [S. l.: s. n.]. 2016. http://www.flogen.org/sips2016/technical_program.php?a=19ca14e7ea6328a42e0eb13d585e4c22#leTitre. [COBISS.SI-ID [29988647](#)]

166. ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, ARSHAD, Muhammad Shahid, ŠTURM, Sašo, KOBE, Spomenka, PROENCA, Mariana P., VÁZQUEZ, Manuel. Revealing the magnetization distribution and its reversal in electroplated Fe-Pd and Co-Pt nanowire(s) by using in-field magnetic force microscopy : HRTEM investigations. V: *SIPS 2016, 4th Dubois International Symposium on Sustainable Complex Metallic Systems, 6-10 November 2016, Hainan, China*. [S. l.: s. n.]. 2016. http://www.flogen.org/sips2016/technical_program.php?a=19ca14e7ea6328a42e0eb13d585e4c22#leTitre. [COBISS.SI-ID [29988903](#)]

167. KOBE, Spomenka, SODERŽNIK, Marko, ŽAGAR, Kristina, ŠTURM, Sašo. Tailoring the microstructure to achieve maximum coercivity : HRTEM investigations. V: *SIPS 2016, 4th Dubois International Symposium on Sustainable Complex Metallic Systems, 6-10 November 2016, Hainan, China*. [S. l.: s. n.]. 2016. http://www.flogen.org/sips2016/technical_program.php?a=19ca14e7ea6328a42e0eb13d585e4c22#leTitre. [COBISS.SI-ID [29988391](#)]

168. ŽAGAR, Kristina, KOVÁCS, Andras, SAVENKO, András, DUCHAMP, Martial, ŠTURM, Sašo, SODERŽNIK, Marko, DUNIN-BORKOWSKI, Rafal E., MAYER, Joachim, KOBE, Spomenka. Role of TB diffusion in Nd-Fe-B magnets. V: *Abstracts*, 12th Multinational Congress on Microscopy, Eger, Hungary, August 23-28, 2015. [S. l.: s. n. 2015], str. 192-193. [COBISS.SI-ID [28820775](#)]

169. ČEH, Miran, JERIČ, Marja, ŠTURM, Sašo, KOŠIR, Mateja, BERNIK, Slavko, OW-YANG, Cleva, GÜLGÜN, Mehmet Ali. STEM investigations of $\text{Sr}(\text{Ti}, \text{Nb})\text{O}_{3-\delta}$ - based and In_2O_3 -doped ZnO thermoelectrics. *Acta microscópica*, ISSN 0798-4545, 2015, vol. 24, suppl. A, str. 19-20. [COBISS.SI-ID [29320743](#)], [[JCR](#), [SNIP](#)]

170. ČEH, Miran, JERIČ, Marja, KOŠIR, Mateja, BERNIK, Slavko, ŠTURM, Sašo, OW-YANG, Cleva, GÜLGÜN, Mehmet Ali. High-resolution STEM investigations of SrO-doped $\text{Sr}(\text{Ti}, \text{Nb})\text{O}_3$ and In_2O_3 -doped ZnO oxide thermoelectrics. V: *Proceedings*, 3rd Croatian Congress on Microscopy with international participation, April 26-29, Zadar, Croatia. [Zagreb]: Ruđer Bošković Institution: Croatian Microscopy Society. 2015, str. 38-39. [COBISS.SI-ID [28549415](#)]

171. ČEH, Miran, JERIČ, Marja, ŠTURM, Sašo, KOŠIR, Mateja, BERNIK, Slavko, OW-YANG, Cleva, GÜLGÜN, Mehmet Ali. High-resolution STEM imaging of oxide materials for thermoelectric applications. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 23. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2015, Portorož, Slovenija = 23rd International Conference on Materials and Technology, 28-30 September 2015, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2015, str. 40. [COBISS.SI-ID [28936999](#)]

172. ČEH, Miran, ŠTURM, Sašo, SAIJO, Hiroshi, HSU, Jung-Tsung, CHEN, Miin-Jang, YANG, J. R., SHIOJIRI, Makoto. HAADF-STEM investigations of layered structures. V: GAJOVIĆ, Andreja (ur.), TOMAŠIĆ, Nenad (ur.). *Book of abstracts : Croatian Microscopy Symposium, Pula November 16-17, 2012 = Knjiga sažetaka : Hrvatski mikroskopijski simpozium, Pula, 16.-17. studeni, 2012*. Zagreb: Croatian Microscopy Society. 2012, str. 9-10. [COBISS.SI-ID [26275623](#)]

173. ČEH, Miran, ŠTURM, Sašo, ŽAGAR, Kristina, SAIJO, Hiroshi, HSU, Jung-Tsung, CHEN, Miin-Jang, YANG, J. R., SHIOJIRI, Makoto. HAADF-STEM of layered structures in materials for photonics thermoelectric and photovoltaics. V: *E-MRS 2012 Spring Symposium X : May 14th-18th 2012, Strasbourg, France*. Strasbourg: European Materials Research Society. 2012. [COBISS.SI-ID [25825831](#)]

174. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SARANTOPOULOU, Evangelia, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. Transmission electron microscopy of studies metal and alloy-based hollow nanospheres prepared by pulsed laser deposition. V: *Özet kitabı*, 20. Ulusal Elektron Mikroskopi Kongresi, EMK 2011, 25-28 ekim, Kemer, Antalya. [S. I.]: TEMD: = Türk Elektron Mikroskopi Derneği. 2011, str. 46. [COBISS.SI-ID [25288231](#)]

1.12 Published scientific conference contribution abstract

175. MEHMOOD, Muhammad Farhan, IKRAM, Awais, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo. Transmission electron microscopic studies of interfaces in reprocessed HDDR Nd-Fe-B permanent magnets by using protective atmosphere transfer system. V: *2019 MMM-Intermag Conference, January 14-18, 2019, Washington, DC: book of abstracts*. [S. I.]: AIP = American Institute of Physics. 2019.

https://magnetism.org/storage/app/media/docs/MMM19_Joint_Abs_Indx-4.pdf. [COBISS.SI-ID [32887079](#)]

176. MEDEN, Anton, KUŠTER, Monika, SAMARDŽIJA, Zoran, MARKOLI, Boštjan, VONČINA, Maja, BOULET, Pascal, GAUDRY, É., DUBOIS, Jean-Marie, ŠTURM, Sašo. Exploring the site occupancies in a novel ternary Laves phase Al-Cr-Sc using EDS, Rietveld and single crystal methods : [oral presentation]. V: POČKAJ, Marta (ur.), PEVEC, Andrej (ur.). *Book of abstracts [and] programme*, Twenty-seventh Slovenian-Croatian Crysatllographic Meeting, 19-23 June, 2019, Rogaska Slatina, Slovenia = Sedemindvajseto slovensko-hrvaško kristalografsko srečanje, 19-23 junij 2019, Rogaska Slatina, Slovenija. Ljubljana: Faculty of Chemistry and Chemical Technology. 2019, str. 58. [COBISS.SI-ID [1538262211](#)]

177. KUŠTER, Monika, MEDEN, Anton, SAMARDŽIJA, Zoran, VONČINA, Maja, BOULET, Pascal, GAUDRY, Emilie, MARKOLI, Boštjan, ŠTURM, Sašo, DUBOIS, Jean-Marie. A new ternary Laves phase in the Al-Cr-Sc system. V: VRTRNIK, Stanislav (ur.), KOŽELJ, Primož (ur.), DOLINŠEK, Janez (ur.). *Book of abstracts*, 14th International Conference on Quasicrystals - ICQ14, 26th - 31st May 2019, Kranjska Gora, Slovenia. Ljubljana: Institut Jožef Stefan. 2019, str. 138. [COBISS.SI-ID [1819999](#)]

178. KUŠTER, Monika, MEDEN, Anton, SAMARDŽIJA, Zoran, VONČINA, Maja, BOULET, Pascal, GAUDRY, Emilie, MARKOLI, Boštjan, ŠTURM, Sašo, DUBOIS, Jean-Marie. A new ternary Laves phase in the Al-Cr-Sc system. V: VRTRNIK, Stanislav (ur.), KOŽELJ, Primož (ur.), DOLINŠEK, Janez (ur.). *Book of abstracts*, 14th International Conference on Quasicrystals - ICQ14, 26th - 31st May 2019, Kranjska Gora, Slovenia. Ljubljana: Institut Jožef Stefan. 2019, str. 138. [COBISS.SI-ID [32429863](#)]

179. PODLOGAR, Matejka, RADOŠEVIĆ, Tina, LESKOVAR, Blaž, JOVANOVIĆ, Zoran M., OMERZU, Aleš, DANEU, Nina, ŠTURM, Sašo. Preparation of thin lamellas for TEM characterlization using FIB technology. V: KRČ, Janez (ur.), TOPIČ, Marko (ur.), PETKOVŠEK, Rok (ur.). *Conference proceedings 2019*. Ljubljana: MIDEM - Society for Microelectronics, Electronic Components and Materials. 2019. [COBISS.SI-ID [32802599](#)]

180. TOMŠE, Tomaž, SCHERF, Lavinia, KESSLER, Reto, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, DUBOIS, Jean-Marie, KOBE, Spomenka. SPS-processed anisotropic permanent magnets prepared from rare-earth-lean jet-milled NdFeB powders. V: *Joint European Magnetic Symposia, JEMS 2019 : August 26-30, Uppsala, Sweden*. [S. I.]: The European Magnetism Association. 2019, str. 309. <https://aic-public.s3.eu-north-1.amazonaws.com/projects/jems2019/abstract-book-jems2019-2019-08-27.pdf>. [COBISS.SI-ID [32605735](#)]

181. KUŠTER, Monika, MEDEN, Anton, SAMARDŽIJA, Zoran, VONČINA, Maja, BOULET, Pascal, GAUDRY, Emilie, MARKOLI, Boštjan, ŠTURM, Sašo, DUBOIS, Jean-Marie. Combining EDS and Rietveld Refinement methods for the determination of a new ternary phase in Al-Cr-Sc system. V: PIRKER, Luka (ur.), et al. *Knjiga povzetkov*, 3. slovensko posvetovanje mikroskopistov, 16. in 17. maj, Ankaran. 1. izd. Ljubljana: Slovensko društvo za mikroskopijo. 2019, str. 64. [COBISS.SI-ID [1812831](#)]

182. VAN MIDDEN, Marion, ZUPANIČ, Erik, MIDDEN, Herman J. P. van, ŠTURM, Sašo, TCHERNYCHOVA, Elena, PRODAN, Albert, et al. Določanje strukture kvazi enodimenzionalnega materiala z valovi gostote naboja. V: PIRKER, Luka (ur.), et al. *Knjiga povzetkov*, 3. slovensko posvetovanje mikroskopistov, 16. in 17. maj, Ankaran. 1. izd. Ljubljana: Slovensko društvo za mikroskopijo. 2019, str. 81. [COBISS.SI-ID [32367143](#)]

183. KAPUN, Gregor, MARINŠEK, Marjan, SKALAR, Tina, MAJOROVITS, Endre, MERZEL, Franci, GABERŠČEK, Miran, ŠTURM, Sašo. Quantitative three-dimensional microstructure description of porous nano-sized cermet anodes for SOFC using FIB nanotomography. V: GRBOVIĆ NOVAKOVIĆ, Jasmina D. (ur.), NESTOROVIĆ, Nataša (ur.), RAJNOVIĆ, Dragan (ur.). *MCM2019 : proceedings from the 14th Multinational Congress on Microscopy*, September 15-20, 2019,

Belgrade, Serbia. Belgrade: University of Belgrade, Institute for Biological Research "Siniša Stanković", National Institute of Republic of Serbia: Serbian Society for Microscopy. 2019, str. 56-57, ilustr. [COBISS.SI-ID [6734106](#)]

184. PANTIĆ, T., ŽAGAR, Kristina, ŠTURM, Sašo, DREV, Sandra, MITROVIĆ, Aleksandar, MAYER, Joachim, KOBE, Spomenka, et al. Microstructure and thermal behavior of Mg-V thin films for solid state hydrogen storage. V: GRBOVIĆ NOVAKOVIĆ, Jasmina D. (ur.), NESTOROVIĆ, Nataša (ur.), RAJNOVIĆ, Dragan (ur.). *MCM2019 : proceedings from the 14th Multinational Congress on Microscopy, September 15-20, 2019, Belgrade, Serbia.* Belgrade: University of Belgrade, Institute for Biological Research "Siniša Stanković", National Institute of Republic of Serbia: Serbian Society for Microscopy. 2019, str. 484, ilustr. [COBISS.SI-ID [32749351](#)]

185. WOLFF, Ulli, AMBROŽIČ, Bojan, ŽUŽEK ROŽMAN, Kristina, LEISTNER, Karin, NIELSCH, Kornelius, ŠTURM, Sašo. In-situ observation of the reversible electrochemical deposition of Fe in a transmission electron microscope. *Microscopy and microanalysis*, ISSN 1431-9276. [Print ed.], 2019, vol. 24, supp. S1, str. 310-311, doi: [10.1017/S1431927618002040](https://doi.org/10.1017/S1431927618002040). [COBISS.SI-ID [32580391](#)], [[JCR](#), [SNIP](#)]

186. KUŠTER, Monika, MEDEN, Anton, SAMARDŽIJA, Zoran, VONČINA, Maja, BOULET, Pascal, GAUDRY, Emilie, MARKOLI, Boštjan, DUBOIS, Jean-Marie, ŠTURM, Sašo. Determination of a new ternary laves phase in Al-Cr-Sc system combining EDS, rietveld refinement and single-crystal methods. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 27. Mednarodna konferenca o materialih in tehnologijah, 16.-18. oktober 2019, Portorož, Slovenija = 27th International Conference on Materials and Technology, 16-18 October 2019, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2019, str. 101. [COBISS.SI-ID [1836383](#)]

187. TOMŠE, Tomaž, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, KOBE, Spomenka. Towards improved performance with permanent-magnet electric devices. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 27. Mednarodna konferenca o materialih in tehnologijah, 16.-18. oktober 2019, Portorož, Slovenija = 27th International Conference on Materials and Technology, 16-18 October 2019, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2019, str. 174. http://mit.imt.si/Revija/izvodi/mit194/BookOfAbstracts_27ICM&T.pdf. [COBISS.SI-ID [32806951](#)]

188. ŽAGAR, Kristina, ŠTURM, Sašo, KOVÁCS, András, SAVENKO, Aleksei, SODERŽNIK, Marko. Using electron holography to investigate the in Tb-doped Nd-Fe-B magnets. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 27. Mednarodna konferenca o materialih in tehnologijah, 16.-18. oktober 2019, Portorož, Slovenija = 27th International Conference on Materials and Technology, 16-18 October 2019, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2019, str. 188. http://mit.imt.si/Revija/izvodi/mit194/BookOfAbstracts_27ICM&T.pdf. [COBISS.SI-ID [32809511](#)]

189. ŽUŽEK ROŽMAN, Kristina, IKRAM, Awais, MEHMOOD, Muhammad Farhan, TOMŠE, Tomaž, SHERIDAN, R. S., WALTON, Allan, AWAIS, Muhammad, KOBE, Spomenka, ŠTURM, Sašo. Recycling and reprocessing of end-of-life Nd-Fe-B permanent magnets. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 27. Mednarodna konferenca o materialih in tehnologijah, 16.-18. oktober 2019, Portorož, Slovenija = 27th International Conference on Materials and Technology, 16-18 October 2019, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2019, str. 193. http://mit.imt.si/Revija/izvodi/mit194/BookOfAbstracts_27ICM&T.pdf. [COBISS.SI-ID [32807207](#)]

190. ŽAGAR, Kristina, ŠTURM, Sašo, KOVÁCS, András, SAVENKO, Aleksei, SODERŽNIK, Marko, DUNIN-BORKOWSKI, Rafal E., MAYER, Joachim, KOBE, Spomenka. Correlative characterization from atoms to magnetic fields in Tb-doped Nd-Fe-B magnets. V: *SIPS 2019, Sustainable Industrial Procesing Summit & Exhibition, 23-27 October 2019, Paphos, Cyprus.* https://www.flogen.org/sips2019/scheduled_program_detailed.php?id1=347. [COBISS.SI-ID [32810535](#)]

191. ŽUŽEK ROŽMAN, Kristina, XU, Xuan, IKRAM, Awais, MEHMOOD, Muhammad Farhan, SHERIDAN, Richard Stuart, WALTON, Allan, AWAIS, Muhammad, ELDOSOUKEY, Anas, KOBE, Spomenka, ŠTURM, Sašo. Effective electrochemical and physical reprocessing of Nd-Fe-B and Sm-Co permanent magnets, approaching the zero waste economy. V: *SIPS 2019, Sustainable Industrial Procesing Summit & Exhibition, 23-27 October 2019, Paphos, Cyprus.* https://www.flogen.org/sips2019/scheduled_program_detailed.php?id1=189. [COBISS.SI-ID [32977447](#)]

192. ŠTURM, Sašo, IKRAM, Awais, XU, Xuan, KOBE, Spomenka, ŽUŽEK, Roman, MEHMOOD, Muhammad Farhan. Transmission Electron Microscopy for efficient recycling of Nd-Fe-B permanent magnets. V: *SIPS 2019, Sustainable Industrial Procesing Summit & Exhibition, 23-27 October 2019, Paphos, Cyprus.* https://www.flogen.org/sips2019/scheduled_program_detailed.php?id1=281. [COBISS.SI-ID [32977703](#)]

- 193.** KAPUN, Gregor, MARINŠEK, Marjan, SKALAR, Tina, MAJOROVITS, Endre, MERZEL, Franci, GABERŠČEK, Miran, ŠTURM, Sašo. Advanced three-dimensional microstructure description of porous nano-sized Ni-SDC cermets using FIB-SEM nanotomography. V: *19th International Microscopy Congress, Sydney, 9-14 September 2018*. Sydney: [s. n.], 2018, str. [1-2]. http://abstracts.imc19.com/pdf/abstract_1056.pdf. [COBISS.SI-ID [6501146](#)]
- 194.** ŠTURM, Sašo, PRAŠNIKAR, Anže, HODNIK, Nejc, LIKOZAR, Blaž, ŽUŽEK ROŽMAN, Kristina, KOSTEVŠEK, Nina, AMBROŽIČ, Bojan. The impact of the electron dose rate and temperature-dependent radiolysis products on the growth and dissolution of metal nanoparticles in LTEM. V: *19th International Microscopy Congress, Sydney, 9-14 September 2018*. Sydney: [s. n.], 2018, str. [1-2]. http://abstracts.imc19.com/pdf/abstract_1334.pdf. [COBISS.SI-ID [32301607](#)]
- 195.** ŠTURM, Sašo, PRAŠNIKAR, Anže, HODNIK, Nejc, LIKOZAR, Blaž, ŽUŽEK ROŽMAN, Kristina, KOSTEVŠEK, Nina, AMBROŽIČ, Bojan. The impact of the electron dose rate and temperature-dependent radiolysis products on the growth and dissolution of metal nanoparticles in LTEM. V: *19th International Microscopy Congress, Sydney, 9-14 September 2018*. Sydney: [s. n.], 2018, str. [1-2]. http://abstracts.imc19.com/pdf/abstract_1334.pdf. [COBISS.SI-ID [32302375](#)]
- 196.** TRAFELA, Špela, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Electrocatalytic oxidation of formaldehyde in alkaline media on KOH-modifies Ni nanowires based electrode. V: *Abstract booklet, 13th International Workshop on Electrodeposited Nanostructures*, EDNANO, 30th August - 1st September, Bristol, UK. [S. l.: s. n.]. 2018, str. 18. [COBISS.SI-ID [32138535](#)]
- 197.** DRAME, Anja, TRAFELA, Špela, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Novel functionalized nanomaterials for acrylamide sensing. V: *Abstract booklet, 13th International Workshop on Electrodeposited Nanostructures*, EDNANO, 30th August - 1st September, Bristol, UK. [S. l.: s. n.]. 2018, str. 27. [COBISS.SI-ID [31683111](#)]
- 198.** XU, Xuan, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Induced co-deposition of NdFe-based thin film by pulse plating technique in 1-ethyl-3-methylimidizolium dicyanamide. V: *Abstracts, 6th International Conference on Ionic Liquids for Electrochemical Devices*, 9-11 September 2018, Rome, Italy. [S. l.: s. n.]. 2018. [COBISS.SI-ID [32084007](#)]
- 199.** VRABEC, Mirijam, JANÁK, Marian, AMBROŽIČ, Bojan, SASINKOVÁ, Vlasta, YOSHIDA, Kenta, ROGAN ŠMUC, Nastja, ŠTURM, Sašo. Microstructural and crystallographic characteristics of diamond and moissanite from Pohorje UHP terrane, Eastern Alps, Slovenia. V: *Advances of geology in Southeast European mountain belts : abstracts*, (Geologica Balcanica). [Sofija]: BAN, Geologičeski institut "akad. Strašimir Dimitrov". cop. 2018, str. 148. [COBISS.SI-ID [1460574](#)]
- 200.** KOSTEVŠEK, Nina, HUDOKLIN, Samo, ERDANI-KREFT, Mateja, SERŠA, Igor, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Multi-functional nanoparticles as a theranostic tool : photo-thermal cancer treatment and MRI imaging. V: *BioNanoMed 2018 : congress documentation*, 9th International Congress Nanotechnology in Medicine & Biology, 25-27 April 2018, Graz, Austria. [S. l.: s. n.]. 2018. [COBISS.SI-ID [31366183](#)]
- 201.** KADOK, J., PUSSI, K., ŠTURM, Sašo, AMBROŽIČ, Bojan, GAUDRY, É., WEERDT-PILORGE, Marie-Paule de, FOURNÉE, Vincent, LEDIEU, Julian. Epitaxial growth of Al_9Ir_2 intermetallic compound on Al(100) : mechanism and interface structure. V: ŠNIADECKI, Z. (ur.). *Book of abstracts, ECMetAC Days 2018*, European Integrated Centre for the Development of Metallic Alloys and Compounds, December 3-5, 2018, Poznań, Poland. Poznań: Institute of Molecular Physics, Polish Academy of Sciences. 2018, str. 46-47. [COBISS.SI-ID [31936039](#)]
- 202.** TRAFELA, Špela, DRAME, Anja, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. KOH-modified nickel nanowires as efficient catalysts for electro-oxidation of formaldehyde for sensing applications. V: ROJAC, Tadej (ur.), TOPIČ, Marko (ur.), URŠIČ NEMEVŠEK, Hana (ur.). *Conference proceedings 2018*, 54th International Conference on Microelectronics, Devices and Materials & the Workshop on Sensors and Transducers, October 3 - October 5, 2018, Ljubljana, Slovenia. Ljubljana: MIDE - Society for Microelectronics, Electronic Components and Materials. 2018, str. 63-64. [COBISS.SI-ID [32138279](#)]
- 203.** DRAME, Anja, TRAFELA, Špela, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Electrochemical sensor for acrylamide detection. V: ROJAC, Tadej (ur.), TOPIČ, Marko (ur.), URŠIČ NEMEVŠEK, Hana (ur.). *Conference proceedings 2018*, 54th International Conference on Microelectronics, Devices and Materials & the Workshop on Sensors and Transducers, October 3 - October 5, 2018, Ljubljana, Slovenia. Ljubljana: MIDE - Society for Microelectronics, Electronic Components and Materials. 2018, str. 65-66. [COBISS.SI-ID [31777063](#)]
- 204.** VRABEC, Mirijam, JANÁK, Marian, AMBROŽIČ, Bojan, SASINKOVÁ, Vlasta, YOSHIDA, Kenta, ROGAN ŠMUC, Nastja, ŠTURM, Sašo. Microdiamond and moissanite inclusions in garnets from Pohorje Mountains, Eastern Alps, Slovenia. V:

EGU Galileo conferences, Leibnitz, Austria, 24-29 June 2018 : exploring new frontiers in fluids processes in subduction zones. [s. l.]: European Geoscience Union. 2018, gC4- Subduction-31. [COBISS.SI-ID [1413470](#)]

205. LESKOVAR, Blaž, ŠTURM, Sašo, SAMARDŽIJA, Zoran, AMBROŽIČ, Bojan, MARKOLI, Boštjan, NAGLIČ, Iztok. Epitaxial growth of metastable (P-type) Al-Mn-Si quasicrystal from the stable (F-type) Al-Cu-Fe quasicrystalline surface. V: RADILOVIĆ, Velimir (ur.), RADILOVIĆ, Vuk (ur.). *Program & book of abstracts*, First International Conference on Electron Microscopy of Nanostructures ELMINA 2018, August 27-29, 2018, Belgrade, Serbia = Prva međunarodna konferencija o elektronskoj mikroskopiji nanostruktura ELMINA 2018, 27-29 avgust 2018, Beograd, Srbija g[organized by Serbian Academy of Sciences and Arts and Faculty of Technology and Metallurgy, University of Belgrade. Belgrade: SASA, Serbian Academy of Sciences and Arts. 2018, str. 137-139. [COBISS.SI-ID [1813087](#)]

206. KOBLAR, Maja, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, ČEH, Miran. Electrochemical deposition of Ni in the liquid cell : groundwork experimental approach prior to LC TEM experiments. V: RADILOVIĆ, Velimir (ur.), RADILOVIĆ, Vuk (ur.). *Program & book of abstracts*, First International Conference on Electron Microscopy of Nanostructures, ELMINA 2018, August 27-29, 2018, Belgrade, Serbia = Prva međunarodna konferencija o elektronskoj mikroskopiji nanostruktura, 27-29 avgust, 2018, Beograd, Srbija. Belgrade: SASA = Serbian Academy of Sciences and Arts. 2018, str. 228. [COBISS.SI-ID [31646247](#)]

207. ŽUŽEK ROŽMAN, Kristina, XU, Xuan, KOBE, Spomenka, ŠTURM, Sašo. Development of Nd-Fe-based magnetic films by electrode-position from ionic liquids as an alternative reprocessing route for recycled Nd-Fe-B permanent magnets. V: *Abstracts*, 62nd Annual Conference on Magnetics, MMM 2017, Pittsburgh, USA. [S. l.]: The IEEE Magnetics Society Society. 2017, str. 636. [COBISS.SI-ID [30934055](#)]

208. ISHIZUKA, Shinnosuke, YAMAZAKI, Tomoya, KIMURA, Yuki, ŠTURM, Sašo. Formation pathways of alumina particles in supersaturated vapour under micro gravity conditions. V: GAJOVIĆ, Andreja (ur.). *Book of abstracts*, 13th Multinational Congress on Microscopy, September 24-29, 2017, Rovinj, Croatia. Zagreb: Ruđer Bošković Institute: Croatian Microscopy Society. 2017, str. 505.

https://mcm2017.irb.hr/content/download/12335/212504/file/BoA_MCM2017.pdf. [COBISS.SI-ID [30822183](#)]

209. KAPUN, Gregor, MARINŠEK, Marjan, SKALAR, Tina, MAJOROVITS, Endre, MERZEL, Franci, ŠTURM, Sašo, GABERŠEK, Miran. Three-dimensional microstructural evolution during sintering of Ni-SDC cermets for SOFC anode reconstructed by FIB-SEM nanotomography. V: GAJOVIĆ, Andreja (ur.). *Book of abstracts*, 13th Multinational Congress on Microscopy, September 24-29, 2017, Rovinj, Croatia. Zagreb: Ruđer Bošković Institute: Croatian Microscopy Society. 2017, str. 529-530. https://mcm2017.irb.hr/content/download/12335/212504/file/BoA_MCM2017.pdf. [COBISS.SI-ID [1537558211](#)]

210. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MEHMOOD, Muhammad Farhan, IKRAM, Awais, SODERŽNIK, Marko, KOBE, Spomenka. Grain boundary diffusion processed (Nd,HRes)-Fe-B magnets studied by combined STEM and quantitative EELS analysis. V: *Final program and abstracts*, 8th International Workshop on Electron Energy Loss Spectroscopy and Related Techniques, May 14th (Sun) - 19th (Fri) 2017, Okuma, Okinawa, Japan. Okuma: [s. n.]. 2017, str. P084. [COBISS.SI-ID [31128871](#)]

211. XU, Xuan, TRAFELA, Špela, IKRAM, Awais, MEHMOOD, Muhammad Farhan, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Development of $NdFe_{12}$ -based magnetic films by electrodeposition from aqueous- and ionic liquid-based electrolytes as an alternative reprocessing route for recycled Nd-Fe-B permanent magnets. V: *Final program*, European Congress on Exhibition on Advanced Materials and Processes, 17-22 September 2017, Thessaloniki, Greece. [S. l.]: FEMS = Federation of European Materials Society. 2017. [COBISS.SI-ID [30797095](#)]

212. ŽUŽEK ROŽMAN, Kristina, ABRAMOVIĆ, Irena, ŠTURM, Sašo, HUDOKLIN, Samo, ERDANI-KREFT, Mateja, KOSTEVŠEK, Nina. Magneto-plasmonic hybrid $FePt/SiO_2/Au$ nanoparticles as novel theranostic tools for cancer treatments evaluated in-vitro. V: *Final program*, European Congress on Exhibition on Advanced Materials and Processes, 17-22 September 2017, Thessaloniki, Greece. [S. l.]: FEMS = Federation of European Materials Society. 2017. [COBISS.SI-ID [30796839](#)]

213. IKRAM, Awais, EL DOSOUKY, Anas, MEHMOOD, Muhammad Farhan, ŠTURM, Sašo, ŠKULJ, Irena, KOBE, Spomenka, WALTON, Allan, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. The application of spark plasma sintering to reprocess isotropic, high coercivity and fully dense recycled SmCo₅ powders. V: *Intermag 2017, 24th - 28th April 2017, Dublin, Ireland : digest book*. [S. l.: s. n.]. 2017. [COBISS.SI-ID [32886311](#)]

- 214.** MEHMOOD, Muhammad Farhan, IKRAM, Awais, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, SATO, T. J., KANEKO, Y., KATO, A., SCHREFL, T., HONO, K. Transmission electron microscopic studies of interfaces in reprocessed HDDR Nd-Fe-B permanent magnets by using protective atmosphere transfer system. V: *Intermag 2017, 24th - 28th April 2017, Dublin, Ireland : digest book*. [S. l.: s. n.]. 2017. [COBISS.SI-ID [32886823](#)]
- 215.** IKRAM, Awais, MEHMOOD, Muhammad Farhan, KOBE, Spomenka, TOMŠE, Tomaž, ŽUŽEK ROŽMAN, Kristina, SHERIDAN, Rose M., AWAIS, Muhammad, ŠTURM, Sašo, WALTON, Allan. Utilizing SPS to fabricate fully dense Nd-Fe-B-type permanent magnets from the recycled HDDR powders. V: *Intermag 2017, 24th - 28th April 2017, Dublin, Ireland : digest book*. [S. l.: s. n.]. 2017. [COBISS.SI-ID [32886567](#)]
- 216.** ŽUŽEK ROŽMAN, Kristina, KOSTEVŠEK, Nina, ABRAMOVIĆ, Irena, KOBE, Spomenka, ERDANI-KREFT, Mateja, HUDOKLIN, Samo, SPREITZER, Matjaž, ŠTURM, Sašo. In vitro studies using multifunctional $FePt/SiO_2/Au$ nanoparticles with magnetic and optical properties for advanced cancer treatments. V: *Intermag 2017, 24th - 28th April 2017, Dublin, Ireland : digest book*. [S. l.: s. n.]. 2017, str. 873. [COBISS.SI-ID [30472743](#)]
- 217.** KOSTEVŠEK, Nina, HUDOKLIN, Samo, ERDANI-KREFT, Mateja, SERŠA, Igor, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Hybrid nanoparticles as theranostic tool : photo-thermal treatment and MRI imaging : [22nd International Conference and Expo on Nanoscience and Molecular Nanotechnology, November 06-88, 2017, Frankfurt, Germany]. *Journal of nanomedicine & nanotechnology*, ISSN 2157-7439, 2017, vol. 8, no. 6, suppl., str. 28. [COBISS.SI-ID [30921255](#)], [SNIP]
- 218.** VRABEC, Mirijam, ŠTURM, Sašo, AMBROŽIČ, Bojan, SURCA, Angelja Kjara, ROGAN ŠMUC, Nastja, ZUPANČIČ, Nina. Microdiamond inclusions in garnets from Pohorje : why are they so important?. V: ZAVAŠNIK, Janez (ur.), et al. *Knjiga povzetkov*, 2. slovensko posvetovanje mikroskopistov, 11. in 12. maj 2017, Piran, Slovenija. 1. izd. Ljubljana: Slovensko društvo za mikroskopijo. 2017, str. 35. [COBISS.SI-ID [1336158](#)]
- 219.** KAPUN, Gregor, ŠTURM, Sašo, MARINŠEK, Marjan, SKALAR, Tina, GABERŠČEK, Miran. Quantitative three-dimensional characterization of Ni-SDC cermet for SOFC anodes reconstructed by FIB-SEM serial sectioning. V: ZAVAŠNIK, Janez (ur.), et al. *Knjiga povzetkov*, 2. slovensko posvetovanje mikroskopistov, 11. in 12. maj 2017, Piran, Slovenija. 1. izd. Ljubljana: Slovensko društvo za mikroskopijo. 2017, str. 38. [COBISS.SI-ID [6305306](#)]
- 220.** MEHMOOD, Muhammad Farhan, IKRAM, Awais, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo. The effect of Ni and Cu residuals on the microstructure evolution of $SmCo_5$ magnets. V: *Magnet 2017, The 5th Italian Conference on Magnetism, 13-15 September 2017, Assisi, Italy*. [S. l.: s. n.]. 2017. [COBISS.SI-ID [32100391](#)]
- 221.** IKRAM, Awais, MEHMOOD, Muhammad Farhan, KOBE, Spomenka, ŠTURM, Sašo, TOMŠE, Tomaž, SHERIDAN, R. S., AWAIS, Muhammad, ŽUŽEK ROŽMAN, Kristina. The magnetic properties of the recycled HDDR Nd-Fe-B powder consolidated with the spark plasma sintering. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 25. mednarodna konferenca o materialih in tehnologijah, 16.-19. oktober 2017, Portorož, Slovenija = 25th International Conference on Materials and Technology, 16-19 October 2017, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2017, str. 78. [COBISS.SI-ID [31210279](#)]
- 222.** ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, ARSHAD, Muhammad Shahid, TRAFELA, Špela, ŠTURM, Sašo, PROENCA, M. P. Mariana, VÁZQUEZ, Manuel. Tailoring the magnetization direction in electrodeposited Fe-Pd and Co-Pt nanowires. V: *Programme, abstract book*, 12th International Workshop on Electrodeposited Nanostructures, ED NANO, 16-22 March, 2017, Sofia, Bulgaria. [S. l.: s. n.]. 2017, str. 38. [COBISS.SI-ID [31044903](#)]
- 223.** ZYBTSEV, S. G., NASRETDINOVA, Venera, ZUPANIČ, Erik (author of introduction, etc.), MIDDEN, Herman J. P. van, ŠTURM, Sašo, PRODAN, Albert, et al. The unusual charge-density wave in the monoclinic phase of NbS. V: *XXI International Symposium "Nanophysics & Nanoelectronics", March 13-16, 2017, Nizhny Novgorod, Russia*. vol. 2. Nizhny Novgorod: Publishing house of N.I. Lobachevsky Nizhny Novgorod State University. 2017, str. 477. [COBISS.SI-ID [30399783](#)]
- 224.** AMBROŽIČ, Bojan, KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo. In-situ observations of the growth of the gold nanoparticles. V: PAVLIN, Majda (ur.), et al. *Zbornik = Proceedings*, 9. študentska konferenca Mednarodne podiplomske šole Jožefa Stefana in 11. dan mladih raziskovalcev (Konferenca KMBO) = 9th Jožef Stefan International Postgraduate School Students' Conference and 11th Young researchers' Day, [19.-20. 4. 2017, Ljubljana, Slovenija]. Ljubljana: Mednarodna podiplomska šola Jožefa Stefana: = Jožef Stefan International Postgraduate School: Inštitut Jožef Stefan: = Jožef Stefan Institute. 2017, str. 45. [COBISS.SI-ID [30458919](#)]
- 225.** PRAŠNIKAR, Anže, HODNIK, Nejc, AMBROŽIČ, Bojan, ŠTURM, Sašo, LIKOZAR, Blaž. Modelling of water radiolysis in the liquid cell electron microscopy. V: PAVLIN, Majda (ur.), et al. *Zbornik = Proceedings*, 9. študentska konferenca

Mednarodne podiplomske šole Jožefa Stefana in 11. dan mladih raziskovalcev (Konferenca KMBO) = 9th Jožef Stefan International Postgraduate School Students' Conference and 11th Young researchers' Day, [19.-20. 4. 2017, Ljubljana, Slovenija]. Ljubljana: Mednarodna podiplomska šola Jožefa Stefana: = Jožef Stefan International Postgraduate School: Inštitut Jožef Stefan: = Jožef Stefan Institute. 2017, str. 75.

http://ipssc.mps.si/proceedings/Proceedings_IPSSC+CMBE_2017.pdf. [COBISS.SI-ID 30491687]

226. AMBROŽIČ, Bojan, KOSTEVŠEK, Nina, BELE, Marjan, ŠTURM, Sašo. First dynamic study of yttrium-based nanoparticles formation at the nanoscale by using transmission electron microscopy combined with the liquid cell. V: PRPAR MIHEVC, Sonja (ur.), PRUNK, Mateja (ur.), PUNGERČAR, Jože (ur.). *10th Young researchers' day, 31 March, 2016, Ljubljana : program and abstract book*. Ljubljana: Institut Jožef Stefan. 2016, str. 13. [COBISS.SI-ID 29423911]

227. HUDOKLIN, Samo, KOSTEVŠEK, Nina, ROMIH, Rok, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, ERDANI-KREFT, Mateja. Optically and magnetically active hybrid FePt/SiO₂/Au nanoparticles are internalized into normal and cancer urothelial cells. V: *The 16th European microscopy congress 2016 August 28 - September 2, 2016 in Lyon, France*. [S. l.]: John Wiley & Sons. 2016. <http://emc-proceedings.com/abstract/optically-and-magnetically-active-hybrid-feptsio2au-nanoparticles-are-internalized-into-normal-and-cancer-urothelial-cells/>, doi: 10.1002/9783527808465.EMC2016.6778. [COBISS.SI-ID 32843993]

228. ČEH, Miran, JERIČ, Marja, ŠTURM, Sašo, OW-YANG, Cleva, GÜLGÜN, Mehmet Ali. TEM and STEM investigations of $Sr(Ti, Nb)O_3 - \delta$ thermoelectric with the addition of CaO and SrO. V: *The 16th European microscopy congress 2016 August 28 - September 2, 2016 in Lyon, France*. [S. l.]: John Wiley & Sons. 2016, str. [1]. <http://emc-proceedings.com/abstract/tem-and-stem-investigations-of-srtinbo3-%ce%b4-thermoelectric-with-the-addition-of-cao-and-sro/>. [COBISS.SI-ID 30088743]

229. AMBROŽIČ, Bojan, KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, BELE, Marjan, ŠTURM, Sašo. Three-dimensional characterization of $Ni - Sm0.2Ce0.8O_2 - \sigma$ cermet for SOFC anodes by high-resolution FIB-SEM Tomography. V: *The 16th European microscopy congress 2016 August 28 - September 2, 2016 in Lyon, France*. [S. l.]: John Wiley & Sons. 2016, str. [1]. <http://emc-proceedings.com/abstract/in-situ-liquid-cell-transmission-electron-microscopy-of-y-based-precursor-growth-dynamics-at-elevated-temperatures/>. [COBISS.SI-ID 30088487]

230. KAPUN, Gregor, ŠTURM, Sašo, MARINŠEK, Marjan, GABERŠČEK, Miran. Three-dimensional characterization of $Ni - Sm0.2Ce0.8O_2 - \sigma$ cermet for SOFC anodes by high-resolution FIB-SEM Tomography. V: *The 16th European microscopy congress 2016 August 28 - September 2, 2016 in Lyon, France*. [S. l.]: John Wiley & Sons. 2016, str. [1]. <http://emc-proceedings.com/abstract/three-dimensional-characterization-of-ni-sm0-2ce0-8o2-%ce%b4-cermet-for-sofc-anodes-by-high-resolution-fib-sem-tomography/>, doi: 10.1002/9783527808465.EMC2016.6914. [COBISS.SI-ID 6026010]

231. ŠTURM, Sašo, AMBROŽIČ, Bojan, BELE, Marjan, KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina. Three-dimensional characterization of $Ni - Sm0.2Ce0.8O_2 - \sigma$ cermet for SOFC anodes by high-resolution FIB-SEM Tomography. V: *The 16th European microscopy congress 2016 August 28 - September 2, 2016 in Lyon, France*. [S. l.]: John Wiley & Sons. 2016, str. [1]. <http://emc-proceedings.com/abstract/in-situ-studies-of-the-dendritic-yttria-precursor-nanostructures-growth-dynamics-at-elevated-temperatures-using-liquid-cell-transmission-electron-microscopy/>. [COBISS.SI-ID 30088231]

232. KOSTEVŠEK, Nina, ŠTURM, Sašo, SERŠA, Igor, SEPE, Ana, SPREITZER, Matjaž, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Hybrid $FePt/SiO_2/Au$ nanoparticles for nanomedical applications. V: *Book of abstracts, 13th International Conference on Nanosciences & Nanotechnologies, NN16, 5-8 July 2016, Thessaloniki, Greece*. [S. l.: s. n.]. 2016, str. 242. [COBISS.SI-ID 29666599]

233. KOSTEVŠEK, Nina, ŠTURM, Sašo, SERŠA, Igor, SEPE, Ana, SPREITZER, Matjaž, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Multimodal hybrid $FePt/SiO_2/Au$ nanoparticles for nanomedical applications. V: *ISN2A 2016 proceedings book, 2nd International Symposium on Nanoparticles/Nanomaterials and Applications, 18th-21st January 2016, Carapica, Portugal*, str. 146. [COBISS.SI-ID 29262119]

234. ŽUŽEK ROŽMAN, Kristina, KOSTEVŠEK, Nina, ŠTURM, Sašo, ARSHAD, Muhammad Shahid, SPREITZER, Matjaž, KOBE, Spomenka, VIŠNJAR, Tanja, ERDANI-KREFT, Mateja. Multimodal $FePt/SiO_2/Au$ nanoparticles-based cancer theranostic system enabling MRI, magnetic manipulation and thermal stimulation. V: *MMM Intermag 2016 joint Conference, January 11-15, 2016, San Diego, California : book of abstracts*. [S. l.]: AIP = American Institute of Physics. 2016. http://magnetism.org/data_files/Final_2016_Joint_Abstract_EBook.pdf. [COBISS.SI-ID 29350183]

235. ŠTURM, Sašo, AMBROŽIČ, Bojan, KOSTEVŠEK, Nina, BELE, Marjan, ŽUŽEK ROŽMAN, Kristina. In situ studies of heat induced precipitation of yttria precursor using liquid-cell transmission electron microscopy. V: *Program and abstract*, 11th Asia Pacific Microwave Conference, 33rd Microscopy Society, 39th Anatomy Association of Thailand Annual Conference, APMC11, MST33/AAT39, May 23-27, 2016, Phuket, Thailand. [S. I.]: Anatomy Association of Thailand. cop. 2016, str. 149. [COBISS.SI-ID [30089255](#)]

236. AMBROŽIČ, Bojan, KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, BELE, Marjan, ŠTURM, Sašo. Observations of nucleation and growth of gold nanoparticles grown from chloroauric acid solution by using transmission electron microscopy combined with the liquid cell. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 30. [COBISS.SI-ID [31091239](#)]

237. MEHMOOD, Muhammad Farhan, IKRAM, Awais, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo. Towards reliable characterization of interfaces in reprocessed HDDR Nd-Fe-B permanent magnets. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 71. [COBISS.SI-ID [31091495](#)]

238. IKRAM, Awais, MEHMOOD, Muhammad Farhan, KOBE, Spomenka, ŠTURM, Sašo, TOMŠE, Tomaž, SHERIDAN, R. S., AWAIS, Muhammad, ŽUŽEK ROŽMAN, Kristina. The Magnetic properties of the recycled HDDR Nd-Fe-B powder consolidated with the spark plasmas intering. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 79. [COBISS.SI-ID [32097063](#)]

239. IKRAM, Awais, MEHMOOD, Muhammad Farhan, KOBE, Spomenka, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. Spark plasma sintering study of HDDR recycled Nd-Fe-B permanent magnets. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 89. [COBISS.SI-ID [31092007](#)]

240. KAPUN, Gregor, MARINŠEK, Marjan, DRVARIČ TALIAN, Sara, GABERŠČEK, Miran, ŠTURM, Sašo. Three-dimensional (3D) characterization of materials using high-resolution FIB tomography. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 106. [COBISS.SI-ID [6025754](#)]

241. KAPUN, Gregor, MARINŠEK, Marjan, DRVARIČ TALIAN, Sara, GABERŠČEK, Miran, ŠTURM, Sašo. Three-dimensional (3D) characterization of materials using high-resolution FIB tomography. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 106. [COBISS.SI-ID [30089511](#)]

242. KAPUN, Gregor, MARINŠEK, Marjan, DRVARIČ TALIAN, Sara, GABERŠČEK, Miran, ŠTURM, Sašo. Three - dimensional (3D) characterization of maaterials using high-resolution FIB tomography. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 107. [COBISS.SI-ID [31092263](#)]

243. KAPUN, Gregor, MARINŠEK, Marjan, ŠTURM, Sašo, SKALAR, Tina. Microstructural evaluation of Ni-SDC cermets from 2D and/or 3D images. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 24. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2016, Portorož, Slovenija = 24th International Conference on Materials and Technology, 28-30 September 2016, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije, 2016, str. 190. [COBISS.SI-ID [1537158851](#)]

- 244.** KAPUN, Gregor, ŠTURM, Sašo, JERMAN, Ivan, GABERŠČEK, Miran. Development of 3D phase analysis of materials for sustainable energy. V: *Abstracts*, 12th Multinational Congress on Microscopy, Eger, Hungary, 23-28 August 2015. [S. l.: s. n.]. 2015, str. 266-268. [COBISS.SI-ID [6087194](#)]
- 245.** GEC, Medeja, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, ČEH, Miran, KOBE, Spomenka. Preparation of hard magnetic Co-Pt nanotubes for TEM observation by conventional ion-milling. V: *Abstracts*, 12th Multinational Congress on Microscopy, Eger, Hungary, August 23-28, 2015. [S. l.: s. n. 2015], str. 293-295. [COBISS.SI-ID [29320999](#)]
- 246.** ŠTURM, Sašo. Determination of nitrogen gas pressure in hollow nanospheres produced by pulsed laser deposition in ambient atmosphere by combined HAADF-STEM and time-resolved EELS analysis : presented at CISCEM 2014, 2nd Conference on In-Situ and Correlative Electron Microscopy, October 14-15th 2014, Saarbrücken, Germany. *Advances in imaging and electron physics*, ISSN 1076-5670, 2015, vol. 190, str. 96-98. [COBISS.SI-ID [28675623](#)], [[SNIP](#)]
- 247.** KOBE, Spomenka, SODERŽNIK, Marko, ŽAGAR, Kristina, ŠTURM, Sašo, MCGUINESS, Paul J. Core-shell microstructure of RE-Fe-B grains to achieve maximum coercivity : HRTEM investigations. V: *BIT's 4th Annual World Congress of Advanced Materials - 2015, May 27-29, Chongqing, China*, (Conference abstract book). [S. l.: s. n.]. 2015, str. 127. [COBISS.SI-ID [28772391](#)]
- 248.** AMBROŽIČ, Bojan, VRABEC, Mirijam, SAMARDŽIJA, Zoran, ŠTURM, Sašo. A method of STEM quantitative X-ray microanalysis for application to silicon oxycarbide thin films determination. V: *Book of tutorials and abstracts*, EMAS 2015, 14th European Workshop on Modern Developments and Applications in Microbeam Analysis, Portorož, Slovenia, 3 to 7 May 2015. Antwerpen: EMAS. 2015, str. 332. [COBISS.SI-ID [1204574](#)]
- 249.** AMBROŽIČ, Bojan, VRABEC, Marko, SAMARDŽIJA, Zoran, ŠTURM, Sašo. Mineral and chemical characteristics of the Jesenice meteorite. V: *Book of tutorials and abstracts*, EMAS 2015, 14th European Workshop on Modern Developments and Applications in Microbeam Analysis, Portorož, Slovenia, 3 to 7 May 2015. Antwerpen: EMAS. 2015, str. 332. [COBISS.SI-ID [28545063](#)]
- 250.** ARSHAD, Muhammad Shahid, ZAVAŠNIK, Janez, ŠTURM, Sašo, ESCRIG, Juan, NEU, Volker, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Cobalt-platinum alloy nanostructures as potential candidates for future magnetic data storage devices. V: *From 3D nanostructuring towards novel magnetic data storages : program, abstract booklet*, IWMNN 2015, International Workshop on Magnetic Nanowires and Nanotubes 2015, May 17-20, 2015, Meersburg, Germany. [S. l.: s. n.]. 2015. [COBISS.SI-ID [28598055](#)]
- 251.** TCHERNYCHOVA, Elena, ŠTURM, Sašo, SCHEU, Christina, RICHTER, Gunther, RÜHLE, Manfred, GABERŠČEK, Miran. Atomic structure of the $Pd/SrTiO_3(001)$ interface studied by probe corrected analytical TEM techniques. V: ŠESTAN, Andreja (ur.), et al. *Knjiga povzetkov = Book of abstracts*, 1. slovensko posvetovanje mikroskopistov = 1st Slovene Microscopy Symposium, 18. in 19. maj 2015, Piran, Slovenija. [S. l.: s. n. 2015]. [COBISS.SI-ID [28576807](#)]
- 252.** AKMEHMET, Guliz Inan, ŠTURM, Sašo, ČEH, Miran, OW-YANG, Cleva. Determination of the phase structure in Pechini-processes long-persistence strontium alumunate phosphors doped with boron. V: ŠESTAN, Andreja (ur.), et al. *Knjiga povzetkov = Book of abstracts*, 1. slovensko posvetovanje mikroskopistov = 1st Slovene Microscopy Symposium, 18. in 19. maj 2015, Piran, Slovenija. [S. l.: s. n. 2015]. [COBISS.SI-ID [28582695](#)]
- 253.** KAPUN, Gregor, ŠTURM, Sašo, JERMAN, Ivan, GABERŠČEK, Miran. Development of 3D phase analysis of materials for renewable energy. V: ŠESTAN, Andreja (ur.), et al. *Knjiga povzetkov = Book of abstracts*, 1. slovensko posvetovanje mikroskopistov = 1st Slovene Microscopy Symposium, 18. in 19. maj 2015, Piran, Slovenija. [S. l.: s. n. 2015]. [COBISS.SI-ID [28577063](#)]
- 254.** OW-YANG, Cleva, AKMEHMET, Guliz Inan, ŠTURM, Sašo, BOCHER, Laura, KOPIAK, Mathieu, AMBROŽIČ, Bojan, GEC, Medeja, FIGON ECE, Demirer, SEZEN, Meltem. Elucidating the role of boron in extending persistence in Eu^{2+} and Dy^{3+} co-doped $Sr_4Al_{14}O_{25}$ by cathodoluminescence, STEM-EDXS, and electron diffraction. V: ŠESTAN, Andreja (ur.), et al. *Knjiga povzetkov = Book of abstracts*, 1. slovensko posvetovanje mikroskopistov = 1st Slovene Microscopy Symposium, 18. in 19. maj 2015, Piran, Slovenija. [S. l.: s. n. 2015]. [COBISS.SI-ID [28584231](#)]
- 255.** AMBROŽIČ, Bojan, VRABEC, Mirijam, SAMARDŽIJA, Zoran, ŠTURM, Sašo. Preparation of mineral phases from meteorite-Jesenice for TEM analyses using focused ion beam technique. V: ŠESTAN, Andreja (ur.), et al. *Knjiga povzetkov = Book of abstracts*, 1. slovensko posvetovanje mikroskopistov = 1st Slovene Microscopy Symposium, 18. in 19. maj 2015, Piran, Slovenija. [S. l.: s. n. 2015]. [COBISS.SI-ID [28582439](#)]

- 256.** ŠTURM, Sašo, KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, KOBE, Spomenka. Multimodal $FePt/SiO_2/Au$ nanoparticles with a combined magne-to-photothermal effect for nanomedical applications. V: *Nanotech Tunisia 2015 : International Nanotechnology Conference, 22-24 April 2015, Hammamet, Tunisia.* <http://www.setcor.org/userfiles/files/NanotechTunisia2015/Nanotech-Tunisia-2015-Conference-Booklet.pdf>. [COBISS.SI-ID [28630823](#)]
- 257.** ŽUŽEK ROŽMAN, Kristina, TRAFELA, Špela, PEČKO, Darja, ARSHAD, Muhammad Shahid, KOSTEVŠEK, Nina, ŠTURM, Sašo, KOBE, Spomenka. Tailoring the magnetization distribution in ferromagnetic nanowires and nanotubes for (bio) applications. V: *Nanotech Tunisia 2015 : International Nanotechnology Conference, 22-24 April 2015, Hammamet, Tunisia.* <http://www.setcor.org/userfiles/files/NanotechTunisia2015/Nanotech-Tunisia-2015-Conference-Booklet.pdf>. [COBISS.SI-ID [28630567](#)]
- 258.** KOSTEVŠEK, Nina, ŠTURM, Sašo, SERŠA, Igor, SEPE, Ana, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. Single-core and multi-core FePt nanoparticles as MRI contrast agents. V: *GODEC, Matjaž (ur.), et al. Program in knjiga povzetkov = Program and book of abstracts, 23. mednarodna konferenca o materialih in tehnologijah, 28.-30. september 2015, Portorož, Slovenija = 23rd International Conference on Materials and Technology, 28-30 September 2015, Portorož, Slovenia.* Ljubljana: Inštitut za kovinske materiale in tehnologije. 2015, str. 140. [COBISS.SI-ID [28919335](#)]
- 259.** ŠTURM, Sašo. Determination of nitrogen gas pressure in hollow nanosperes produced by pulsed laser deposition in ambient atmosphere by combined HAADF-STEM and time-resolved EELS analysis. V: *CISCEM 2014, 2nd Conference on In-situ and Correlative Electron Microscopy, October 14-15, 2014, Saarbrücken, Germany.* Saarbrücken: Leibniz Institute for New Materials. 2014, str. 86. [COBISS.SI-ID [28096039](#)]
- 260.** ČEH, Miran, JERIČ, Marja, ŽAGAR, Kristina, SUHADOLNIK, Luka, ŠTURM, Sašo, BERNIK, Slavko, KOŠIR, Mateja, OW-YANG, Cleva, GÜLGÜN, Mehmet Ali. Investigation of interfaces and internal boundaries in oxides for energy applications. V: *Macan meeting : program and book of abstracts : June 30th to July 2nd, 2014, Düsseldorf, Germany.* Düsseldorf: Max-Planck-Institut Für Eisenforschung. 2014, str. 7. [COBISS.SI-ID [28142631](#)]
- 261.** STANKOVIĆ, Nadežda, REČNIK, Aleksander, ŠTURM, Sašo, DANEU, Nina. Topotaxial transformation of ilmenite ($FeTiO_3$) single-crystals to rutile (TiO_2) and hematite (Fe_2O_3) during thermal treatment. V: *Microscopy for global challenges : touching atoms, molecules, nanostructures and cells by multidimensional microscopy, 18th International Microscopy Congress, 7-12 September 2014, Prague Czech Republic.* [S. l.: s. n.]. 2014, 1 str., ilustr. [COBISS.SI-ID [27939623](#)]
- 262.** ŠTURM, Sašo, ŽAGAR, Kristina, MCGUINNESS, Paul J., KOBE, Spomenka. The correlation between magnetic properties and the distribution of Heavy Rare Earths (Dy,Tb) in Nd-Fe-B-based magnets. V: *Microscopy for global challenges : touching atoms, molecules, nanostructures and cells by multidimensional microscopy, 18th International Microscopy Congress, 7-12 September 2014, Prague Czech Republic.* [S. l.: s. n.]. 2014, 2 str., ilustr. [COBISS.SI-ID [28090407](#)]
- 263.** INAN, Guliz, ČEH, Miran, ŠTURM, Sašo, OW-YANG, Cleva. Determination of structure and chemistry of long-persistence strontium aluminate phosphor compounds in aberration-corrected TEM/STEM. V: *Microscopy for global challenges : touching atoms, molecules, nanostructures and cells by multidimensional microscopy, 18th International Microscopy Congress, 7-12 September 2014, Prague Czech Republic.* [S. l.: s. n.]. 2014, 2 str., ilustr. [COBISS.SI-ID [28090919](#)]
- 264.** SIMON, Pascal, ŠTURM, Sašo, et al. Electron holographic tomography reveals the three-dimensional magnetic field distribution of Co₂FeGa Heusler nanowires. V: *Microscopy for global challenges : touching atoms, molecules, nanostructures and cells by multidimensional microscopy, 18th International Microscopy Congress, 7-12 September 2014, Prague Czech Republic.* [S. l.: s. n.]. 2014, 2 str., ilustr. [COBISS.SI-ID [28090663](#)]
- 265.** GÜLGÜN, Mehmet Ali, SHAWUTI, S., ČEH, Miran, ŠTURM, Sašo. Imaging and spectroscopy of filler-matrix interaction in a ceramic nanocomposite : first evidence. V: *Microscopy for global challenges : touching atoms, molecules, nanostructures and cells by multidimensional microscopy, 18th International Microscopy Congress, 7-12 September 2014, Prague Czech Republic.* [S. l.: s. n.]. 2014, 2 str., ilustr. [COBISS.SI-ID [28089895](#)]
- 266.** ŠTURM, Sašo, WOLF, D., LUBK, A., LICHTE, H. Multi-axis electron-holographic tomography. V: *Microscopy for global challenges : touching atoms, molecules, nanostructures and cells by multidimensional microscopy, 18th International Microscopy Congress, 7-12 September 2014, Prague Czech Republic.* [S. l.: s. n.]. 2014, 2 str., ilustr. [COBISS.SI-ID [28091175](#)]

- 267.** RASKOVIĆ-LOVRE, Željka, ŠTURM, Sašo, et al. TEM analysis of irradiated and non irradiated MgH_2 thin films. V: *Microscopy for global challenges : touching atoms, molecules, nanostructures and cells by multidimensional microscopy*, 18th International Microscopy Congress, 7-12 September 2014, Prague Czech Republic. [S. l.: s. n.]. 2014, 2 str., ilustr. [COBISS.SI-ID [28090151](#)]
- 268.** AMBROŽIČ, Bojan, MILER, Miloš, MIRTIČ, Breda, GOSAR, Mateja, JERŠEK, Miha, ŠTURM, Sašo, DOLENEC, Matej. Primerjalna karakterizacija meteoritov Jesenice in Jezersko. V: ROŽIČ, Boštjan (ur.), VERBOVŠEK, Timotej (ur.), VRABEC, Mirijam (ur.). *Povzetki in ekskurzije = Abstracts and field trips*, 4. slovenski geološki kongres, Ankaran, 8.-10. oktober 2014. Ljubljana: Naravoslovnotehniška fakulteta. 2014, str. 2-3. [COBISS.SI-ID [2320981](#)]
- 269.** KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, KOBE, Spomenka. Hybrid FePt/Au nanoparticles with a combined magneto-photothermal effect. V: LODEIRO, Carlos (ur.). *Proceedings of the ISN2A, 1st International Symposium on Nanoparticles/Nanomaterial and Applications*, 20th 22nd January 2014, Caparica, Portugal. [S. l.: s. n.]. 2014, str. 114. [COBISS.SI-ID [27464999](#)]
- 270.** PEČKO, Darja, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, ARSHAD, Muhammad Shahid, KOBE, Spomenka. Electrodeposited hard and soft magnetic $Fe_{50}Pd_{50}$ nanowires and their characterization. V: ŽUNIČ, Vojka (ur.), et al. *Program and abstract book*, 8th Young Researchers' Day, February 18, 2014, Ljubljana. Ljubljana: Institut Jožef Stefan. 2014, str. 7. [COBISS.SI-ID [27596071](#)]
- 271.** ARSHAD, Muhammad Shahid, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, ZAVAŠNIK, Janez, MCGUINESS, Paul J., KOBE, Spomenka. Periodic domain structure in electrodeposited polycrystalline Co-Pt nanowires. V: ŽUNIČ, Vojka (ur.), et al. *Program and abstract book*, 8th Young Researchers' Day, February 18, 2014, Ljubljana. Ljubljana: Institut Jožef Stefan. 2014, str. 34. [COBISS.SI-ID [27534887](#)]
- 272.** LENART, Alenka, KRAMAR, Sabina, ŠTURM, Sašo, MIRTIČ, Breda. Hydrothermal growth of opal-A and its transition to a α -quartz crystals. V: ŽUNIČ, Vojka (ur.), et al. *Program and abstract book*, 8th Young Researchers' Day, February 18, 2014, Ljubljana. Ljubljana: Institut Jožef Stefan. 2014, str. 40. [COBISS.SI-ID [27861031](#)]
- 273.** ŠTURM, Sašo, KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, KOBE, Spomenka. Stimuli responsive hybrid nanomaterials with a combined magneto-photothermal effect for nanomedical applications. V: USKOKOVIĆ, Dragan (ur.), RADMILOVIĆ, Velimir (ur.). *Programme and the book of abstracts*, Sixteenth Annual Conference YUCOMAT 2014, Herceg Novi, Montenegro, September 1-5, 2014. Belgrade: Materials Research Society of Serbia. 2014, str. 102. [COBISS.SI-ID [28095527](#)]
- 274.** KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, KOBE, Spomenka. Bifunctional FePt/Au nanoparticles with a combined mangeto-photothermal effect. V: MIHAJOVIĆ, Dragan (ur.), et al. *Book of abstracts*, SLONANO 2013, 23-25 October 2013, Ljubljana, Slovenia. Ljubljana: Jožef Stefan Institute. 2013, str. 71. [COBISS.SI-ID [27192103](#)]
- 275.** ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, KOSTEVŠEK, Nina, ŠTURM, Sašo, MAVER, Uroš, NADRAH, Peter, BELE, Marjan, KOBE, Spomenka. Fe-Pd-based nanotubes for drug-delivery applications. V: *Congress documentation*, 4th International Congress Nanotechnology, Medicine & Biology, 13-15 March 2013, Krems, Austria. Krems: Donau Universität. 2013. [COBISS.SI-ID [26694951](#)]
- 276.** AMBROŽIČ, Bojan, ŠTURM, Sašo, JERŠEK, Miha, MIRTIČ, Breda. Hondrule v meteoritu Jesenice. *Geološki zbornik*, ISSN 0352-3802, 2013, [Št.] 22, str. 8-11, ilustr. [COBISS.SI-ID [1204725](#)]
- 277.** YILDIZHAN, Melike Melike, ŠTURM, Sašo, GÜLGÜN, Mehmet Ali. Lithium, niobium or potassium-doped TiO_2 : structural, optical, electrical and electronic changes. V: *MACAN CapStone Conference : April 20-26, 2013, Haifa, Israel*. [S. l.: s. n.]. 2013, str. 72-73. [COBISS.SI-ID [26723367](#)]
- 278.** ARSHAD, Muhammad Shahid, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, KOMELJ, Matej, MCGUINESS, Paul J., KOBE, Spomenka. Different energy contributions on magnetic domain configurations in electrodeposited CoPt nanowires. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 21. Mednarodna konferenca o materialih in tehnologijah, 13.-15. november 2013, Portorož = 21st International Conference on Materials and Technology, 13-15 November 2013, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2013, str. 33. [COBISS.SI-ID [27242791](#)]
- 279.** KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, KOBE, Spomenka. Hybrid FePt/Au nanoparticles with a combined magneto-photothermal effect. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 21. Mednarodna konferenca o materialih in tehnologijah, 13.-15. november 2013, Portorož = 21st

International Conference on Materials and Technology, 13-15 November 2013, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2013, str. 105. [COBISS.SI-ID [27255079](#)]

280. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SARANTOPOULOU, Evangelia, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. Physico-metallurgical aspect of formation of core-shell and hollow nanospheres. V: GODEC, Matjaž (ur.), et al. *Program in knjiga povzetkov = Program and book of abstracts*, 21. Mednarodna konferenca o materialih in tehnologijah, 13.-15. november 2013, Portorož = 21st International Conference on Materials and Technology, 13-15 November 2013, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2013, str. 128. [COBISS.SI-ID [27255335](#)]

281. OW-YANG, Cleva, ČEH, Miran, AKMEHMET, Guliz Inan, ŠTURM, Sašo. Aberration - corrected probe determination of structure and chemistry of long - persistence strontium aluminate phosphors. V: *Program*, Third Conference on Frontiers of Aberration Corrected Electron Microscopy, PICO 2015, and Colloquium Honouring Harald Rose, 19-23 April 2105, Kasteel Vaalsbroek. [S. l.: s. n.]. 2015. [COBISS.SI-ID [27579431](#)]

282. LENART, Alenka, BRAČKO, Ines, PLODINEC, Milivoj, ŠTURM, Sašo, MIRTIČ, Breda. Formation mechanism of α -quartz from opal-a by hydrothermal synthesis. *Acta mineralogica-petrographica, Abstract series*, ISSN 1589-4835, 2012, vol. 7, str. 78. [COBISS.SI-ID [25754919](#)]

283. LENART, Alenka, BRAČKO, Ines, PLODINEC, Milivoj, ŠTURM, Sašo, MIRTIČ, Breda. Development of α -quartz crystals from opal-A at hydrothermal conditions. V: ŽAGAR, Kristina (ur.), LENART, Alenka (ur.), PEČKO, Darja (ur.). *[Program and abstract book]*, 6th Young Researchers' Day 2012, 27 and 28 February, 2012, Ljubljana. Ljubljana: Jožef Stefan Institute, Department of Nanostructured Materials. 2012, str. 34. [COBISS.SI-ID [25626919](#)]

284. ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, ŠTURM, Sašo, SAMARDŽIJA, Zoran, KOBE, Spomenka, MAVER, Uroš, NADRAH, Peter, BELE, Marjan. Ferromagnetic Co-Pt and Fe-Pd-based nanotubes produced via direct electroplating. V: *Book of abstracts*, SLONANO 2011, 26-28 October 2011, Ljubljana, Slovenia. Ljubljana: [s. n.]. 2011, str. 44. [COBISS.SI-ID [25217319](#)]

285. LENART, Alenka, SAMARDŽIJA, Zoran, MIRTIČ, Breda, ŠTURM, Sašo. Crystal orientation investigation of Japanese twins in quartz using EBSD. V: *Joint Meeting*, 19. Jahrestagung der Deutschen Gesellschaft für Kristallographie, 89. Jahrestagung der Deutschen Mineralogischen Gesellschaft, Jahrestagung der Österreichischen Mineralogischen Gesellschaft (MinPet 2011), 20.-24. September, 2011 Salzburg. [S. l.: s. n.]. 2011, str. 47. [COBISS.SI-ID [25115943](#)]

286. ESKIN, Murat Gokhan, ŠROT, Vesna, AKEN, Peter van, ŠTURM, Sašo, INAN, Guliz, OW-YANG, Cleva. Correlating the ELNES of the boron incorporated strontium aluminate phosphors with structural properties. V: *Nanolegos, A workshop on Construction with Nanoscale Building Blocks*, 16-18 May, 2011, Istanbul, Turkey : abstract book. [S. l.]: Sabanci Universitesei. 2011. [COBISS.SI-ID [27577895](#)]

287. INAN, Guliz, ESKIN, Murat Gokhan, ŠROT, Vesna, AKEN, Peter van, ŠTURM, Sašo, OW-YANG, Cleva. Stronsiyum auminat fosforlu bilesiklerinin lokal ortam karakterisyonu. V: *Özet kitabı*, 20. Ulusal Elektron Mikroskopı Kongresi, EMK 2011, 25-28 ekim, Kemer, Antalya. [S. l.]: TEMD: = Türk Elektron Mikroskopı Derneği. 2011, str. 123. [COBISS.SI-ID [27577383](#)]

288. LENART, Alenka, SAMARDŽIJA, Zoran, MIRTIČ, Breda, ŠTURM, Sašo. A study of twin-boundary formation of Japanese twins in quartz. V: *Özet kitabı*, 20. Ulusal Elektron Mikroskopı Kongresi, EMK 2011, 25-28 ekim, Kemer, Antalya. [S. l.]: TEMD: = Türk Elektron Mikroskopı Derneği. 2011, str. 124. [COBISS.SI-ID [25248039](#)]

289. LENART, Alenka, SAMARDŽIJA, Zoran, GODEC, Matjaž, MIRTIČ, Breda, ŠTURM, Sašo. EBSD and TEM investigations of Japanese twins in quartz. V: GODEC, Matjaž (ur.). *Program in knjiga povzetkov = Program and book of abstracts*, 19. konferenca o materialih in tehnologijah, 22. - 23.november 2011, Portorož = 19th Conference on Materials and Technology, 22-23 November 2011, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2011, str. 84. [COBISS.SI-ID [25343783](#)]

290. LENART, Alenka, ŠTURM, Sašo, MIRTIČ, Breda. Raziskave rasti japonskih dvojčkov v kremenu. V: PRIBOŠIČ, Irena (ur.), KRNEL, Kristoffer (ur.). *[Program in povzetki]*, 5. dan mladih raziskovalcev, Ljubljana, Februar 2011. Ljubljana: Institut "Jožef Stefan". 2011, str. 58. [COBISS.SI-ID [24476199](#)]

291. BENNETT, J. Craig, KUSZ, Józef, ZUBKO, Maciej, PRODAN, Albert, ŠTURM, Sašo, MIDDEN, Herman J. P. van, BÖHM, Horst, MASON, G. A structural study of the charge density wave phase transition in the quasi-one-dimensional

conductor $NbSe_{410/3}I$. V: SMC-MSC-2011, 38th Annual Meeting of the Microscopical Society of Canada, June 7-10, 2011, Ottawa, Canada. [S. l.: s. n.]. 2011. [COBISS.SI-ID [25157671](#)]

292. MAKOVEC, Darko, PRIMC, Darinka, ŠTURM, Sašo, KODRE, Alojz, DROFENIK, Mihael. Strukturne lastnosti zelo majhnih nanodelcev barijevega heksaferita = Structural properties of ultrafine barium-hexaferrite nanoparticles. V: KRAVANJA, Zdravko (ur.), BRODNJAK-VONČINA, Darinka (ur.), BOGATAJ, Miloš (ur.). *Zbornik povzetkov referatov s posvetovanja*, Slovenski kemijski dnevi 2011, Portorož, 14.-16. september 2011. Maribor: FKKT. 2011, str. 8. [COBISS.SI-ID [25064999](#)]

293. LENART, Alenka, ŠTURM, Sašo, MIRTIČ, Breda. Hydrothermal synthesis of quartz. V: *IMA 2010 : [CD of abstracts]*, 20th General Meeting of the International Mineralogical Association, 21-27 August, 2010 Budapest, Hungary, (Acta mineralogica-petrographica, ISSN 0324-6523, ISSN 1589-4835, 6). Budapest: Department of Mineralogy, Geochemistry and Petrology, University of Szeged. cop. 2010, str. 29. [COBISS.SI-ID [23963431](#)]

294. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Boštjan, SARANTOPOULOU, Evangelia (scribe), KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. The formation of hollow nanospheres in Sm-Fe(Ta)-N system. V: *Past, present and future of (S)TEM and its applications : a tribute to the work of Christian Colliex : Paris 9-11 June 2010*. [S. l.: s. n.]. 2010, str. 57. [COBISS.SI-ID [23828519](#)]

295. LENART, Alenka, MIRTIČ, Breda, JERŠEK, Miha, ŠTURM, Sašo. Kemijska sestava skorje meteorita Jesenice. V: KOŠIR, Adrijan (ur.), et al. *Povzetki in ekskurzije = Abstracts and field trips*, 3. Slovenski geološki kongres, Bovec, 16.-18. september 2010. Postojna: Znanstvenoraziskovalni center SAZU, Inštitut za raziskovanje krasa; Ljubljana: Paleontološki inštitut Ivana Rakovca. 2010, str. 31-32. [COBISS.SI-ID [23949095](#)]

296. LENART, Alenka, GODEC, Matjaž, MIRTIČ, Breda, ŠTURM, Sašo. Kremen, dvočlen po japonskem dvojčičnem zakonu. V: KOŠIR, Adrijan (ur.), et al. *Povzetki in ekskurzije = Abstracts and field trips*, 3. Slovenski geološki kongres, Bovec, 16.-18. september 2010. Postojna: Znanstvenoraziskovalni center SAZU, Inštitut za raziskovanje krasa; Ljubljana: Paleontološki inštitut Ivana Rakovca. 2010, str. 31-32. [COBISS.SI-ID [23948839](#)]

297. LENART, Alenka, MIRTIČ, Breda, ŠTURM, Sašo. Japanese twinned natural quartz crystals. V: JENKO, Monika (ur.). *Program in knjiga povzetkov = Program and book of abstracts*, 18. konferenca o materialih in tehnologijah, 15.-17. november 2010, Portorož, Slovenija = 18th Conference on Materials and Technology, 15-17 November 2010, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2010, str. 25. [COBISS.SI-ID [24173351](#)]

298. LENART, Alenka, ŠTURM, Sašo, MIRTIČ, Breda. Hidrotermalna sinteza kremena. V: KUŠČER, Danjela (ur.), PERC, Branka (ur.). *[Program in povzetki]*, 4. Dan Mladih Raziskovalcev KMBO, Ljubljana, Slovenija, 11.2.2010. Ljubljana: Institut "Jožef Stefan". 2010, str. 47. [COBISS.SI-ID [23417895](#)]

299. ŠTURM, Sašo. Characterization of functional ceramics by scanning transmission electron microscopy combined with electron energy-loss spectroscopy : [invited talk]. V: BENČAN, Andreja (ur.), et al. *Workshop on structural characterisation : Jožef Stefan Institute, Ljubljana, Slovenia, 28 January 2010 : [program and abstract book]*. Ljubljana: Institut Jožef Stefan, Electronic Ceramic Department. 2010, str. 12. [COBISS.SI-ID [23382823](#)]

300. ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Synthesis and Characterization of $BaTiO_3$ nanostructures. V: *Abstracts book*, 33rd International Conference and Exposition on Advanced Ceramics and Composites, January 18-23, 2009, Daytona Beach, Florida, USA. [S. l.]: The American Ceramic Society. 2009, str. 73. [COBISS.SI-ID [22469927](#)]

301. ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Template-assisted synthesis and characterization of $SrTiO_3$ nanostructures. V: *Abstracts book*, 33rd International Conference and Exposition on Advanced Ceramics and Composites, January 18-23, 2009, Daytona Beach, Florida, USA. [S. l.]: The American Ceramic Society. 2009, str. 73. [COBISS.SI-ID [22469671](#)]

302. INAN, Guliz, ESKIN, Murat Gokhan, ŠTURM, Sašo, OW-YANG, Cleva. Boron incorporation into strontium aluminates co-activated by europium and dysprosium rare-earth elements. V: *Abstracts*, 1st MACAN Conference on Interfaces, Novermber 14-17, 2009, Berlin, Germany, (FP7-NMP-2009-CSA, 233484 MACAN). [S. l.: s. n.]. 2009, str. 64-65. [COBISS.SI-ID [27578151](#)]

303. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, CEFALAS, Alciviadis-Constantinos, KOBE, Spomenka. Analytical electron microscopy of in-situ-nitrogenated Sm-Fe-Ta magnetic nanospheres prepared by PLD. V: *Abstracts*, NANO - 2008, 9th International Conference on Nanostructured Materials, 01-06 June 2008, Rio de Janeiro, Brazil. [S. l.: s. n.]. 2008, str. 246. [COBISS.SI-ID [22873895](#)]

- 304.** BLELOCH, A., ČEH, Miran, ŠTURM, Sašo. Experimental STEM imaging. V: ČEH, Miran (ur.), ŠTURM, Sašo (ur.), ŽAGAR, Kristina. *Book of handouts, lectures & practicals*, AdSTEM2009, Workshop on Quantitative HAADF-STEM imaging and EELS, 11-14 October 2009, Piran, Slovenia. Ljubljana: Department for Nanostructured Materials, Jožef Stefan Institute. 2009. [COBISS.SI-ID [23246119](#)]
- 305.** GALINDO, P., ŠTURM, Sašo. Quantitative HAADF-STEM. V: ČEH, Miran (ur.), ŠTURM, Sašo (ur.), ŽAGAR, Kristina. *Book of handouts, lectures & practicals*, AdSTEM2009, Workshop on Quantitative HAADF-STEM imaging and EELS, 11-14 October 2009, Piran, Slovenia. Ljubljana: Department for Nanostructured Materials, Jožef Stefan Institute. 2009. [COBISS.SI-ID [23246375](#)]
- 306.** GÜLGÜN, Mehmet Ali, ŠTURM, Sašo, BENČAN, Andreja, MALIČ, Barbara, KOSEC, Marija. Determining correct stoichiometry of KNN ceramics using EDXS/TEM : traps and possibilities. V: *Conference programme and book of abstracts*, 11th International Conference and Exhibition of the European Ceramic Society, Krakow, 21-25 June 2009. Krakow: ECERS. 2009, str. 85. [COBISS.SI-ID [22874151](#)]
- 307.** ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Sol-gel elektroforetska depozicija in karakterizacija $SrTiO_3$ nanostruktur. V: ISKRA, Jernej (ur.), MILOŠEV, Ingrid (ur.). *Dan mladih raziskovalcev 2009*. Ljubljana: Institut "Jožef Stefan". 2009, 1 str. [COBISS.SI-ID [22465319](#)]
- 308.** ŠTURM, Sašo, GÜLGÜN, Mehmet Ali. The correlation between equilibrium Y grain-boundaries excess and transient precipitation in Y-doped Al_2O_3 . V: *Final program and abstracts*, EDGE 2009, International EELS Workshop, May 17-22, 2009, Banff, Alberta, Canada. [S. l.: s. n.]. 2009, str. 102. [COBISS.SI-ID [22878503](#)]
- 309.** ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, MCGUINESS, Paul J., KOBE, Spomenka. Hard magnetic Co-Pt-based nanotubes, produced via direct electroplating. V: *INTERMAG 2009 : digest*, IEEE International Magnetics Conference, May 4-8 2009, Sacramento, California. [S. l.]: IEEE Magnetics Society. 2009, str. EG-02. [COBISS.SI-ID [22880039](#)]
- 310.** GÜLGÜN, Mehmet Ali, ŠTURM, Sašo, et al. Yttrium segregation in Y-doped alumina: "disputes and clarifications", A tribute to a great person being missed badly: Rowland M. Cannon, Jr. V: *New materials via interfacial control : Rowland Cannon memorial workshop*, International Workshop on Interfaces, June 22-26, 2008, Santiago de Compostela, Spain. [S. l.: s. n.]. 2009, str. 70. [COBISS.SI-ID [22878247](#)]
- 311.** BENNETT, J. Craig, PRODAN, Albert, MIDDEN, Herman J. P. van, ŠTURM, Sašo, ŽITKO, Rok, MACDOUGALL, Robert (scribe), STAROWICZ, Paweł. Charge density wave formation in pure and intercalated Nb_3Te_4 . V: *Proceedings*, 36th Annual Meeting of Microscopical Society of Canada, June 2009, Winnipeg, Canada. [S. l.]: Microscopical Society of Canada. 2009. [COBISS.SI-ID [23259431](#)]
- 312.** ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, MCGUINESS, Paul J., SAMARDŽIJA, Zoran, PEČKO, Darja, KOBE, Spomenka, CEFALAS, Alciviadis-Constantinos. Ferromagnetic (shape-memory) materials with reduced dimensionality : [invited talk]. V: JENKO, Monika (ur.). *Program in knjiga povzetkov = Program and book of abstracts*, 17. konferenca o materialih in tehnologijah, 16.-18. november 2009, Portorož, Slovenija = 17. konferenca o materialih in tehnologijah, 16.-18. november 2009, Portorož, Slovenija. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2009, str. 57. [COBISS.SI-ID [23120935](#)]
- 313.** LENART, Alenka, ŠTURM, Sašo. Twins in quartz crystals. V: *Program, abstract book, notebook, list of participants*, International School of Crystallization 2009: foods, drugs and agrochemicals, ISC Granada, Granada (Spain), May 25-29, 2009. [S. l.: s. n.]. 2009, str. 109. [COBISS.SI-ID [22922023](#)]
- 314.** JANČAR, Boštjan, BRAČKO, Ines, ŠTURM, Sašo, SUVOROV, Danilo. Calcium titanate nanostructures synthesized from hydrothermally derived templates. V: *Abstracts*, NANO - 2008, 9th International Conference on Nanostructured Materials, 01-06 June 2008, Rio de Janeiro, Brazil. [S. l.: s. n.]. 2008, str. 364. [COBISS.SI-ID [21975847](#)]
- 315.** ČEH, Miran, ŠTURM, Sašo. The influence of the Debye-Waller factor on intensities in HAADF-STEM image calculations : [invited talk]. V: *Abstracts*, XIII. International Conference on Electron Microscopy, EM'08, Cracow-Zakopane, Poland, 8-11 June, 2008. Kraków: Wydawnictwo Naukowe "Akapit". 2008, str. 37. [COBISS.SI-ID [21803815](#)]
- 316.** GAJOVIĆ, Andreja, ŠTURM, Sašo, JANČAR, Boštjan, ČEH, Miran. The mechanism of $BiFeO_3$ hydrothermal synthesis. V: MUSIĆ, Svetozar (ur.), RISTIĆ, Mira (ur.), KREHULA, Stjepko (ur.). *Book of abstracts*, XXIX European Congress on Molecular Spectroscopy [also] EUCMOS 2008, Opatija, Croatia, August 31st - September 5th 2008. [S. l.: s. n. 2008], str. 161. [COBISS.SI-ID [22616103](#)]

317. ŽAGAR, Kristina, GAJOVIĆ, Andreja, ŠTURM, Sašo, ČEH, Miran. *BaTiO₃* nanorods : new insight by Raman spectroscopy. V: MUSIĆ, Svetozar (ur.), RISTIĆ, Mira (ur.), KREHULA, Stjepko (ur.). *Book of abstracts, XXIX European Congress on Molecular Spectroscopy [also] EUCMOS 2008, Opatija, Croatia, August 31st - September 5th 2008.* [S. l.: s. n. 2008], str. 181. [COBISS.SI-ID [22615847](#)]
318. ŽUŽEK ROŽMAN, Kristina, ŠTURM, Sašo, KOBE, Spomenka. Template-assisted direct plating of nanocrystalline electro-deposited Co-Pt nanotubes. V: MIHAJOVIĆ, Dragan (ur.), et al. *Hot nano topics 2008 : incorporating SLONANO 2008, 3 overlapping workshops on current hot subjects in nanoscience, 23-30 May, Portorož, Slovenia : abstract book.* Ljubljana: [s. n.]. 2008, str. 112. [COBISS.SI-ID [22098727](#)]
319. GAJOVIĆ, Andreja, ŠTURM, Sašo, JANČAR, Boštjan, ČEH, Miran. Tailoring the morphology of goethite nanorods by incorporating Bi in the structure. V: MIHAJOVIĆ, Dragan (ur.), et al. *Hot nano topics 2008 : incorporating SLONANO 2008, 3 overlapping workshops on current hot subjects in nanoscience, 23-30 May, Portorož, Slovenia : abstract book.* Ljubljana: [s. n.]. 2008, str. 115. [COBISS.SI-ID [21797415](#)]
320. ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Synthesis and characterization of *SrO₃* nanostructures. V: MIHAJOVIĆ, Dragan (ur.), et al. *Hot nano topics 2008 : incorporating SLONANO 2008, 3 overlapping workshops on current hot subjects in nanoscience, 23-30 May, Portorož, Slovenia : abstract book.* Ljubljana: [s. n.]. 2008, str. 118. [COBISS.SI-ID [21756711](#)]
321. BRAČKO, Ines, JANČAR, Boštjan, ŠTURM, Sašo, SUVOROV, Danilo. Synthesis and characterization of *Ca(2+)* - exchanged Na-Ti-based nanotubes. V: MIHAJOVIĆ, Dragan (ur.), et al. *Hot nano topics 2008 : incorporating SLONANO 2008, 3 overlapping workshops on current hot subjects in nanoscience, 23-30 May, Portorož, Slovenia : abstract book.* Ljubljana: [s. n.]. 2008, str. 126. [COBISS.SI-ID [21966119](#)]
322. ERJAVEC, Boštjan, DOMINKO, Robert, PINTAR, Albin, UMEK, Polona, ŠTURM, Sašo, PEJOVNIK, Stane, GABERŠČEK, Miran, JAMNIK, Janko. *RuO₂ – wired nanoparticulate anatase TiO₂.* V: MIHAJOVIĆ, Dragan (ur.), et al. *Hot nano topics 2008 : incorporating SLONANO 2008, 3 overlapping workshops on current hot subjects in nanoscience, 23-30 May, Portorož, Slovenia : abstract book.* Ljubljana: [s. n.]. 2008, str. 132. [COBISS.SI-ID [3968794](#)]
323. ERJAVEC, Boštjan, DOMINKO, Robert, UMEK, Polona, ŠTURM, Sašo, PEJOVNIK, Stane, GABERŠČEK, Miran, JAMNIK, Janko. Tailored titania composites for high power batteries. V: *The 14th International meeting on lithium batteries, Teda/Tianjin China, June 22-28, 2008 : IMLB 2008 : meeting abstracts.* [S. l.: s. n.]. 2008, 1 str. [COBISS.SI-ID [3982362](#)]
324. ČEH, Miran, ŠTURM, Sašo. HAADF-STEM of planar faults and layered structures : [invited talk]. V: *International Workshop on "Functionality of Interface", 1st Shanghai International Forum on Advanced Materials, April 15-18, 2008, Shanghai, China.* [S. l.: s. n.]. 2008, str. 8. [COBISS.SI-ID [21812775](#)]
325. BRAČKO, Ines, JANČAR, Boštjan, ŠTURM, Sašo, SUVOROV, Danilo. The synthesis and characterization of Ca-Ti-based one-dimensional nanostructures. V: USKOKOVIĆ, Dragan (ur.). *Programme and the book of abstracts, Tenth Annual Conference of the Yugoslav Materials Research Society YUCOMAT 2008, Herceg Novi, Montenegro, September 8-12,2008. Belgrade: Institute of Technical Sciences of the Serbian Academy of Sciences & Arts.* 2008, str. 134. [COBISS.SI-ID [21975079](#)]
326. BRAČKO, Ines, JANČAR, Boštjan, ŠTURM, Sašo, SUVOROV, Danilo. The formation of 1D nanostructures calcium titanates bt the hydrothermal tretament of sodium titanate 1D nanostructured precursors. V: KOBE, Spomenka (ur.), et al. *WomenInNano winter school : 7-9 February 2008, Kranjska Gora, Slovenia : abstract book.* [S.l.: s.n.]. 2008, str. 48. [COBISS.SI-ID [21965863](#)]
327. ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Template-assisted synthesis of *BaTiO₃* nanorods. V: KOBE, Spomenka (ur.), et al. *WomenInNano winter school : 7-9 February 2008, Kranjska Gora, Slovenia : abstract book.* [S.l.: s.n.]. 2008, str. 117. [COBISS.SI-ID [21499431](#)]
328. BRAČKO, Ines, JANČAR, Boštjan, ŠTURM, Sašo, SUVOROV, Danilo. Hidrotermalna priprava in karakterizacija Ca - Ti nanostruktur = Hydrothermal synthesis and characterization of Ca - Ti based nanostructures. V: GLAVIČ, Peter (ur.), BRODNJAK-VONČINA, Darinka (ur.). *Zbornik povzetkov referatov s posvetovanja, Slovenski kemijski dnevi 2008, Maribor, 25. in 26. september 2008.* Maribor: FKKT. 2008, str. 40. [COBISS.SI-ID [22114855](#)]
329. ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Sinteza in karakterizacija perovskitnih nanopalčk = Synthesis and characterization of perovskite nanorods. *Materiali in tehnologije*, ISSN 1580-2949. [Tiskana izd.], 2007, letn. 41, št. 6, str. 307-309. [COBISS.SI-ID [21499175](#)], [[JCR](#), [SNIP](#)]

- 330.** BRAČKO, Ines, JANČAR, Boštjan, ŠTURM, Sašo, SUVOROV, Danilo. Razumevanje nastanka nanostrukturnega perovskita $CaTiO_3$ pod hidrotermalnimi pogoji. *Materiali in tehnologije*, ISSN 1580-2949. [Tiskana izd.], 2007, letn. 41, št. 6, str. 317-318. [COBISS.SI-ID [21434407](#)], [[JCR](#), [SNIP](#)]
- 331.** ČEH, Miran, ŠTURM, Sašo, SHIOJIRI, Makoto, et al. Influence of Debye-Waller factor and structure data in quantitative HAADS-STEM of influences : [invited talk presented at MC 2007, 33rd DGE Microscopy Conference, 2-7 September 2007, Saarbrücken, Germany]. *Microscopy and microanalysis*, ISSN 1431-9276. [Print ed.], 2007, vol. 13, suppl. 3, str. 376-377. [COBISS.SI-ID [21425959](#)], [[JCR](#), [SNIP](#)]
- 332.** RASHKOVA, Boriana, ŠTURM, Sašo, et al. A comparison of the electronic structure of N-K in TiN and VN using EELS and Ab-initio calculations : [invited talk presented at MC 2007, 33rd DGE Microscopy Conference, 2-7 September 2007, Saarbrücken, Germany]. *Microscopy and microanalysis*, ISSN 1431-9276. [Print ed.], 2007, vol. 13, suppl. 3, str. 414-415. [COBISS.SI-ID [21424167](#)], [[JCR](#), [SNIP](#)]
- 333.** OZAYDIN, Ceren, ŠTURM, Sašo, ŠROT, Vesna, et al. Segregation versus precipitate chemistry : activities at work in polycrystalline ceramics. V: *MRS 2007 Fall meeting : 26-39 November 2007 : program and exhibit guide*. [S. l.: s. n.]. 2007. [COBISS.SI-ID [21425191](#)]
- 334.** BRAČKO, Ines, JANČAR, Boštjan, ŠTURM, Sašo, SUVOROV, Danilo. Razumevanje nastanka nanostrukturnega perovskita $CaTiO_3$ pod hidrotermalnimi pogoji = Understanding the formation of nanostructured perovskite $CaTiO_3$ under hydrothermal conditions. V: JENKO, Monika (ur.). *Program in knjiga povzetkov = Program and book of abstracts*, 15. konferenca o materialih in tehnologijah = 15th Conference on Materials and Technology, 8-10 October, 2007 Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije]. 2007, str. 50. [COBISS.SI-ID [21402407](#)]
- 335.** ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Synthesis and characterization of perovskite nanorods = Sinteza in karakterizacija perovskitnih nanopalčk. V: JENKO, Monika (ur.). *Program in knjiga povzetkov = Program and book of abstracts*, 15. konferenca o materialih in tehnologijah = 15th Conference on Materials and Technology, 8-10 October, 2007 Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije]. 2007, str. 54. [COBISS.SI-ID [21131815](#)]
- 336.** JANČAR, Boštjan, PIRNAT, Urša, ŠTURM, Sašo, SUVOROV, Danilo. Incommensurate-commensurate phase transformation in the $Bi_2O_3 - Nb_2O_5$ solid solution. V: USKOKOVIĆ, Dragan (ur.). *Programme and the book of abstracts*, Ninth Annual Conference of the Yugoslav Materials Research Society YUCOMAT 2007, Herceg Novi, September 10-14, 2007. Belgrade: Institute of Technical Sciences of SASA. 2007, str. 29. [COBISS.SI-ID [21099559](#)]
- 337.** PANJAN, Matjaž, ŠTURM, Sašo, PANJAN, Peter, ČEKADA, Miha. TEM study of TiAlN/CrN nanolayer coatings. V: USKOKOVIĆ, Dragan (ur.). *Programme and the book of abstracts*, Ninth Annual Conference of the Yugoslav Materials Research Society YUCOMAT 2007, Herceg Novi, September 10-14, 2007. Belgrade: Institute of Technical Sciences of SASA. 2007, str. 36. [COBISS.SI-ID [21424423](#)]
- 338.** ČEH, Miran, ŠTURM, Sašo, SHIOJIRI, Makoto. Atomic resolution HAADF-STEM : applications in materials science. V: USKOKOVIĆ, Dragan (ur.). *Programme and the book of abstracts*, Ninth Annual Conference of the Yugoslav Materials Research Society YUCOMAT 2007, Herceg Novi, September 10-14, 2007. Belgrade: Institute of Technical Sciences of SASA. 2007, str. 48. [COBISS.SI-ID [21424679](#)]
- 339.** ŠTURM, Sašo, JANČAR, Boštjan, BRAČKO, Ines. EELS/HRTEM characterization of phases obtained during the hydrothermal synthesis of $CaTiO_3$. V: USKOKOVIĆ, Dragan (ur.). *Programme and the book of abstracts*, Ninth Annual Conference of the Yugoslav Materials Research Society YUCOMAT 2007, Herceg Novi, September 10-14, 2007. Belgrade: Institute of Technical Sciences of SASA. 2007, str. 145. [COBISS.SI-ID [21424935](#)]
- 340.** ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Synthesis and characterization of $BaTiO_3$ nanorods. V: USKOKOVIĆ, Dragan (ur.). *Programme and the book of abstracts*, Ninth Annual Conference of the Yugoslav Materials Research Society YUCOMAT 2007, Herceg Novi, September 10-14, 2007. Belgrade: Institute of Technical Sciences of SASA. 2007, str. 146. [COBISS.SI-ID [21096743](#)]
- 341.** ČEH, Miran, ŠTURM, Sašo, SHIOJIRI, Makoto. HAADF-STEM imaging: from qualitative to quantitative interpretation of atomic resolution HAADF-STEM images : [invited talk]. V: *SLONANO 2007 : 10-12 October, Jožef Stefan Institute, Ljubljana, Slovenia : programme & abstracts*. Ljubljana: Jožef Stefan Institute. 2007. [COBISS.SI-ID [21161511](#)]
- 342.** ŽAGAR, Kristina, ŠTURM, Sašo, ČEH, Miran. Synthesis and characterization of $BaTiO_3$ nanorods. V: *SLONANO 2007 : 10-12 October, Jožef Stefan Institute, Ljubljana, Slovenia : programme & abstracts*. Ljubljana: Jožef Stefan Institute. 2007. [COBISS.SI-ID [21132839](#)]

- 343.** ŠTURM, Sašo, ČEH, Miran. Ruddlesden-Popper-type heterostructures in AO - doped $SrTiO_3$ ($A = Sr^{2+}, Ca^{2+}, Ba^{2+}$) : structural and compositional analysis at the atomic level. V: *2006 Fall meeting : November 26-30, Boston MA : program & exhibit guide*. [S. l.: s. n.]. 2006. [COBISS.SI-ID [19821351](#)]
- 344.** ŠTURM, Sašo, GÜLGÜN, Mehmet A., CANNON, Rowland M., RÜHLE, Manfred. Electron energy loss near-edge structure (ELNES) analysis of Y-Al-O precipitates in clean and SiO_2 -contaminated Y_2O_3 -doped alunima. V: *5th workshop on Electron Energy Loss Spectrometry and Energy Filtering : 27-29 September 2006, Vienna, Austria*. Vienna: University of Technology. 2006, str. 30. [COBISS.SI-ID [20522279](#)]
- 345.** ČEH, Miran, ŠTURM, Sašo, WANG, X., GU, Hui, SHIOJIRI, Makoto. HAADF-STEM imaging of the barium sodium niobate (BNN) and strontium barium biobate (SBN) structures. V: *Proceedings, IMC16, 16th International Microscopy Congress, Sapporo, Japan, 3-8 September 2006*. [S. l.: s. n.]. 2006, str. 610. [COBISS.SI-ID [20271399](#)]
- 346.** GÜLGÜN, Mehmet A., ŠTURM, Sašo, CANNON, Rowland M., RÜHLE, Manfred. Transient dopant segregation and precipitation in yttrium-doped alumina. V: *Proceedings, IMC16, 16th International Microscopy Congress, Sapporo, Japan, 3-8 September 2006*. [S. l.: s. n.]. 2006, str. 1402. [COBISS.SI-ID [20520487](#)]
- 347.** ŠTURM, Sašo, GÜLGÜN, Mehmet A., CANNON, Rowland M., RÜHLE, Manfred. Electron-loss near-edge structure analysis of precipitates in yttria-doped alumina. V: *Proceedings, IMC16, 16th International Microscopy Congress, Sapporo, Japan, 3-8 September 2006*. [S. l.: s. n.]. 2006, str. 1414. [COBISS.SI-ID [20520743](#)]
- 348.** PANJAN, Matjaž, PETERMAN, Tomaž, ČEKADA, Miha, PANJAN, Peter, ŠTURM, Sašo. Simulacija nanašanja večplastnih prevlek TiAlN/CrN z magnetronskim naprševanjem = Simulation of the magnetron sputtering deposition of a TiAlN/CrN multilayer structure. V: JENKO, Monika (ur.). *Program in knjiga povzetkov = Program and book of abstracts*, 14. konferenca o materialih in tehnologijah = 14th Conference on Materials and Technology, 16-18 October, 2006, Portorož, Slovenia. Ljubljana: Inštitut za kovinske materiale in tehnologije. 2006, str. 56. [COBISS.SI-ID [20436519](#)]
- 349.** JANČAR, Boštjan, BEZJAK, Jana, ŠTURM, Sašo, SUVOROV, Danilo, NEGAS, Taki, DAVIES, Peter K. The problem of ZnO volatilization in the $Ba(Zn13Nb2/3)O_3$ - $Ba(Zn1/2W1/2)O_3$ perovskite. V: *Abstract book, IX. Conference and exhibition of the European Ceramic Society, 19.-23. June, 2005*. [Ljubljana: The Slovenian Ceramic Society]. 2005, str. 33. [COBISS.SI-ID [19221031](#)]
- 350.** ŠTURM, Sašo, ČEH, Miran, SCHNEIDER, T., MENESKLOU, W. Structural and compositional analysis of planar faults in semiconductive perovskite- $Sr(Ti0.65Fe0.35)O_3$ used as resistive exhaust gas sensors. V: *Abstract book, IX. Conference and exhibition of the European Ceramic Society, 19.-23. June, 2005*. [Ljubljana: The Slovenian Ceramic Society]. 2005, str. 101. [COBISS.SI-ID [19221799](#)]
- 351.** MLADENOVIČ, Ana, ŠTURM, Sašo, MIRTIČ, Breda, STRUPIŠUPUT, Jerneja. Alkali silica reaction products in mortars made from different silica aggregates. V: *Abstract book, IX. Conference and exhibition of the European Ceramic Society, 19.-23. June, 2005*. [Ljubljana: The Slovenian Ceramic Society]. 2005, str. 258. [COBISS.SI-ID [19221543](#)]
- 352.** ŠTURM, Sašo, SCHEU, Christina, ČEH, Miran, RÜHLE, Manfred. Atomic resolution HAADF-STEM imaging and EELS analysis of Ruddlesden-Popper faults in the AO-doped $SrTiO_3$ ($A = Sr^{2+}, Ba^{2+}$). V: *EDGE 2005, Enhanced Data Generated with Electrons International EELS Workshop : Grundlsee, Austria, 1-5 May 2005 : program and abstrcts*. [S.l.: s.n.]. 2005, str. 52. [COBISS.SI-ID [19220775](#)]
- 353.** ČEH, Miran, ŠTURM, Sašo, GU, Hui, SHIOJIRI, Makoto. Qualitative and quantitative interpretation of atomic resolution HAADF-STEM images. V: ČEH, Miran (ur.), DRAŽIĆ, Goran (ur.), FIDLER, Sanja (ur.). *Proceedings, 7th Multinational Congress on Microscopy, June 26-30, 2005, Portorož, Slovenia*. Ljubljana: Slovene Society for Microscopy: Department for Nanostructured Materials, "Jožef Stefan" Institute. 2005, str. 275-276. [COBISS.SI-ID [19448103](#)]
- 354.** ŠTURM, Sašo, ČEH, Miran, REČNIK, Aleksander, YAMAZAKI, Takashi, SHIOJIRI, Makoto. The composition of Ruddlesden-Popper faults in AO doped $SrTiO_3$ ($A = Sr^{2+}Ca^{2+}Ba^{2+}$) determined by quantitative HAADF-STEM analyse. V: *EuroConference on Interfaces in Nanostructured Materials : June 6-11, 2004, Schwäbisches Bildungszentrum, Kloster Irsee : final program*. Stuttgardt: Max-Planck-Institut für Metallforschung. 2004. [COBISS.SI-ID [18748711](#)]
- 355.** ČEH, Miran, ŠTURM, Sašo, YAMAZAKI, Takashi, WATANABE, Kazuto, REČNIK, Aleksander, SHIOJIRI, Makoto. The influence of collection angle, focus and specimen thickness on the resolution and Z sensitivity in atomically resolved HAADF-STEM. V: *Book of abstracts, Chernogolovka, Moscow district, Russia, 26-30 May, 2003*. [S.l.: s.n.]. 2003, str. 5. [COBISS.SI-ID [17550119](#)]

356. ŠTURM, Sašo, REČNIK, Aleksander, ČEH, Miran. The microstructure evolution controlled by the formation and growth of antiphase boudaries in AO-doped SrTiO₃ ceramics (A=Sr²⁺, Ca²⁺, Ba²⁺). V: *Programme & abstract book*, Eighth ECERS, Conference & Exhibition of the European Ceramic Society, 29 June- 3 July 2003, Istanbul, Turkey. [Istanbul]: Turkish Ceramic Society. 2003, str. 888. [COBISS.SI-ID [17628711](#)]
357. ŠTURM, Sašo, ČEH, Miran, SHIOJIRI, Makoto. Thickness determination of $Ga_{0.86}Al_{0.14}N/GaN$ strained-layer superlattice cladding in GaN-based violet laser diodes. V: *SLONANO 2003 : II. simpozij o nanoznanosti in nanotehnologiji v Sloveniji, Ljubljana, 12.11.2003 : knjiga povzetkov*. Ljubljana: Institut "Jožef Stefan". 2003, str. 14. [COBISS.SI-ID [17879847](#)]
358. ČEH, Miran, ŠTURM, Sašo, REČNIK, Aleksander. The influence of focus, collection angle and specimen thickness on the resolution and intensity of atomically resolved HAADF-STEM images : [invited talk]. V: *Abstracts : EuroConference on Structure and Composition of Interfaces in Solids Schwäbisches Bildungszentrum, Kloster Irsee*. Stuttgart: Max-Planck-Institute für Metallforschung. 2002, str. 17. [COBISS.SI-ID [16944679](#)]
359. MLADENOVIČ, Ana, ŠTURM, Sašo, MIRTIČ, Breda, STRUPI-ŠUPUT, Jerneja. The alkali silica reaction of differnet natural aggregates in cement mortars. V: PODOSEK, Frank A. (ur.). *Abstracts of the 12th Annual V.M Goldschmidt Conference, Davos, Switzerland, August 18-23, 2002*, (Geochimica et Cosmochimica Acta, ISSN 0016-7037, Vol. 66, No. 15A, August 2002). London; New York: Elsevier. 2002, vol. 66, no. 15A, str. A516. [COBISS.SI-ID [320094](#)], [[JCR](#), [SNIP](#), [WoS](#) up to 9. 10. 2006: no. of citations (TC): 0, without self-citations (CI): 0]
360. MLADENOVIČ, Ana, MIRTIČ, Breda, STRUPI-ŠUPUT, Jerneja, VIŽINTIN, Nada, DRNOVŠEK, Sabina, ŠTURM, Sašo. Alkalno-silikatna reaktivnost agregatov za beton in porečij Drave in Mure. V: HORVAT, Aleksander (ur.), et al. *Knjiga povzetkov*, 1. slovenski geološki kongres, Črna na Koroškem, 9.-11. oktober 2002. Ljubljana: Geološki zavod Slovenije. 2002, str. 59-60. [COBISS.SI-ID [17075495](#)]
361. MLADENOVIČ, Ana, ŠTURM, Sašo, MIRTIČ, Breda. Vrstična elektronska mikroskopija razpadnih produktov alakalno-silikatne reakcije v betonih s silikatnim agregatom. V: HORVAT, Aleksander (ur.), et al. *Knjiga povzetkov*, 1. slovenski geološki kongres, Črna na Koroškem, 9.-11. oktober 2002. Ljubljana: Geološki zavod Slovenije. 2002, str. 60-61. [COBISS.SI-ID [17075751](#)]
362. ŠTURM, Sašo, ČEH, Miran. Visoko-resolucijska z-kontrast vrstična elektronska transmisija mikroskopija(STEM) ploskovnih napak v AO prebitnem $SrTiO_3$ (A=Sr, Ca, Ba) = Visoko-resolucijska Z-kontrast vrstična elektronska transmisija of planar faults in AO-doped SrTiO₃ (A=Sr, Ba, Ca). V: *[Program in knjiga povzetkov] = [Program and book of abstracts]*, 9. Konferenca o materialih in tehnologijah, 14.-16. november 2001, Portorož, Slovenija. [Ljubljana: Inštitut za kovinske materiale in tehnologije. 2001], str. 108. [COBISS.SI-ID [16394535](#)]
363. ČEH, Miran, ŠTURM, Sašo, REČNIK, Aleksander. Analytical electron microscopy of ruddlesden-popper faults in AO-excess $ATiO_3$ perovskites (A=Ca,Sr,Ba). V: *Programme and the book of abstracts*, Fourth Yugoslav Materials Research Society Conference, YUCOMAT 2001, Herceg Novi, September, 10-14, 2001. Beograd: Institute of Technical Sciences of the Serbian Academy of Sciences & Arts. 2001, str. 23. [COBISS.SI-ID [16394279](#)]
364. ŠTURM, Sašo, REČNIK, Aleksander (artist), ČEH, Miran. Anisotropic grain growth in $SrTiO_3$ induced by the formation of Ruddlesden-Popper faults. V: *Abstract book*, 7th International Conference on Electronic Ceramics and their Applications, Electroceramics VII-2000, September 3-6, 2000, Portorož, Slovenia. [Ljubljana: Institut Jožef Stefan]. 2000, str. 238. [COBISS.SI-ID [15308071](#)]
365. ŠTURM, Sašo, SCHEU, Christina, ČEH, Miran. Studies of planar faults ordering in SrO-doped $SrTiO_3$ ceramics by EDXS0. V: *Abstracts and list of participants*, 4th German-Slovenian Seminar on Joint Projects in Materials Science and Technology, November 9-11, 2000, Harnack-Haus, Berlin, Germany. [S.l.: s.n.]. 2000, str. 58-59. [COBISS.SI-ID [15478055](#)]
366. ŠTURM, Sašo, MIRTIČ, Breda. Characterisation of raw materials for glass manufacturing in the past in the west Slovenia. *Journal of conference abstracts*, ISSN 1362-0886, 2000, vol. 5, str. 99. [COBISS.SI-ID [14951463](#)]
367. ŠTURM, Sašo, ČEH, Miran. Rast kristalnih zrn v SrO prebitni $SrTiO_3$ keramiki = Grain growth control in SrO doped $SrTiO_3$ ceramics. V: *[Program in knjiga povzetkov] = [Program and book of abstracts]*, 8. Konferenca o materialih in tehnologijah, 10.-12. oktober 2000, Portorož, Slovenija. [Ljubljana: Inštitut za kovinske materiale in tehnologije. 2000], str. 148. [COBISS.SI-ID [15408167](#)]

368. ŠTURM, Sašo, MIRTIČ, Breda, ČAR, Jože. Pridobivanje stekla v zahodni Sloveniji v 18. stoletju. V: HORVAT, Aleksander (ur.). *Povzetki referatov = Abstracts of papers*, 14. Posvetovanje slovenskih geologov [Ljubljana, 25 marec, 1999], (Geološki zbornik, ISSN 0352-3802, 14). Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za geologijo. 1999, str. 50. [COBISS.SI-ID [13997095](#)]

369. ŠTURM, Sašo, ČEH, Miran. Razvoj mikrostrukture $SrTiO_3$ z različnim Sr/Ti razmerjem = Microstructure evolution in $SrTiO_3$ with different Sr/Ti ratios. V: *[Program in knjiga povzetkov] = [Program and book of abstracts]*, 7. konferenca o materialih in tehnologijah, Portorož, Slovenija, 13.-15. oktober 1999. [Ljubljana: Inštitut za kovinske materiale in tehnologije]. 1999, str. 26. [COBISS.SI-ID [14443303](#)]

370. ŠMIT, Žiga, KOS, Mateja, PELICON, Primož, VIDMAR, Gregor, ŠTURM, Sašo, BUDNAR, Miloš, KUMP, Peter, NEČEMER, Marijan. Raziskave srednjeveških stekel. V: BABIČ, Matjaž (ur.), TRONTELJ, Zvonko (ur.), LUŽNIK, Janko (ur.). *Zbornik izvlečkov*, 8. slovensko srečanje o uporabi fizike, Moravske Toplice, 21. oktober 1999. Ljubljana: Društvo matematikov, fizikov in astronomov Slovenije: Nacionalni komite za fiziko. 1999, s. [COBISS.SI-ID [14474791](#)]

371. ŠTURM, Sašo, MIRTIČ, Breda. Metode določanja izvora in starosti arheološkega stekla na osnovi preiskave primarnih surovin = Methods of defining the origin and age of archaeological glass based on the determining of raw materials. V: *Program in knjiga povzetkov*, 6. konferenca o materialih in tehnologijah, Portorož, Slovenija 3. - 5. november 1998. [Ljubljana: IMT. 1998], str. 130. [COBISS.SI-ID [13996839](#)]

1.16 Independent scientific component part or a chapter in a monograph

372. ŠTURM, Sašo, JANČAR, Boštjan. Microstructure characterization of advanced ceramics. V: SHEN, Zhijian (ur.), KOSMAČ, Tomaž (ur.). *Advanced ceramics for dentistry*. Amsterdam [etc.]: Elsevier. cop. 2014, str. 151-170. [COBISS.SI-ID [27373863](#)]

1.17 Independent professional component part or a chapter in a monograph

373. ŠTURM, Sašo. Splošna geološka zgradba ozemlja Trebuše. V: ČUŠIN, Boško (ur.), et al. *Trebuški zbornik*. Tolmin: Tolminski muzej. 2003, str. 69-78. [COBISS.SI-ID [18785319](#)]

374. ŠTURM, Sašo. Geomorfološke značilnosti površja doline Trebušice. V: ČUŠIN, Boško (ur.), et al. *Trebuški zbornik*. Tolmin: Tolminski muzej. 2003, str. 79-88. [COBISS.SI-ID [18785575](#)]

375. ŠTURM, Sašo. Sledovi vulkanizma na ozemlju Trebuše. V: ČUŠIN, Boško (ur.), et al. *Trebuški zbornik*. Tolmin: Tolminski muzej. 2003, str. 89-98. [COBISS.SI-ID [18785831](#)]

376. ŠTURM, Sašo. Steklarska obrt v dolini Trebušice. V: ČUŠIN, Boško (ur.), et al. *Trebuški zbornik*. Tolmin: Tolminski muzej. 2003, str. 169-184. [COBISS.SI-ID [18762279](#)]

MONOGRAPHS AND OTHER COMPLETED WORKS

2.05 Other educational material

377. ŠTURM, Sašo. *Advanced scanning transmission electron microscopy : lecture notes for course "MAT 680 - selected topics in materials science"*. I.. Istanbul: Sabancı University, 2014. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27864871](#)]

378. ŠTURM, Sašo. *Advances in transmission electron microscopy : lecture notes for course "Microscopic and microanalytical methods (NANO3)" : academic year 2013/2014*. Ljubljana: Jožef Stefan International Postgraduate School, 2014. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27865639](#)]

379. ŠTURM, Sašo. *Electron energy-loss spectroscopy : lecture notes for course "MAT 680 - selected topics in materials science"*. I.. Istanbul: Sabanci University, 2014. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27865383](#)]

380. ŠTURM, Sašo. *Electron energy-loss spectroscopy : lecture notes for course "MAT 680 - selected topics in materials science"*. I.. Ljubljana: Jožef Stefan International Postgraduate School, 2014. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27865127](#)]

381. ŠTURM, Sašo. *Introduction to scanning transmission electron methods : lecture notes for course "Microscopic and Microanalytical Methods (NANO3)" : academic year 2013/2014*. Ljubljana: Jožef Stefan International Postgraduate School, 2014. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27865895](#)]

382. ŠTURM, Sašo. *Osnove (vrstične) presevne elektronske mikroskopije (S)TEM : študijsko gradivo za predmet predmet "Materialografski praktikum" : študijsko leto 2013/2014*. Ljubljana: Oddelek za materiale in metalurgijo, Naravoslovnotehniška fakulteta, Univerza v Ljubljani, 2014. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27867943](#)]

383. ŠTURM, Sašo. *Uvod v Analitsko elektronsko mikroskopijo (AEM) s poudarkom na Energijsko-disperzijski spektroskopiji rentgenskih žarkov (EDXS) in spektroskopiji na izgubo energije elektrona (EELS) : študijsko gradivo za predmet predmet "Materialografski praktikum" : študijsko leto 2013/2014*. Ljubljana: Oddelek za materiale in metalurgijo, Naravoslovnotehniška fakulteta, Univerza v Ljubljani, 2014. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27867687](#)]

384. ŠTURM, Sašo. *Uvod v Presevno elektronsko mikroskopijo : študijsko gradivo za predmet Preiskave mineralnih materialov : dopolnjeno gradivo : študijsko leto 2013/2014*. Ljubljana: Oddelek za geologijo, Naravoslovnotehniška fakulteta, Univerza v Ljubljani, 2014. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27867431](#)]

385. ŠTURM, Sašo. *Electron energy-loss spectroscopy (EELS) : lecture notes for course "Spectroscopy and microscopy (NANO2)" : academic year 2011/2012*. Ljubljana: Jožef Stefan International Postgraduate School, 2012. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27866151](#)]

386. ŠTURM, Sašo. *Phase contrast transmission electron microscopy : lecture notes for course "Spectroscopy and microscopy (NANO2)" : academic year 2011/2012*. Ljubljana: Jožef Stefan International Postgraduate School, 2012. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27866407](#)]

387. ŠTURM, Sašo. *Uvod v Presevno elektronsko mikroskopijo : študijsko gradivo za predmet Preiskave mineralnih materialov : dopolnjeno gradivo : študijsko leto 2011/2012*. Ljubljana: Oddelek za geologijo, Naravoslovnotehniška fakulteta, Univerza v Ljubljani, 2012. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27867175](#)]

388. ŠTURM, Sašo. *High-angle annular dark-field scanning transmission electron microscopy (HAADF-STEM) : lecture notes for NFMC Spring School on Electron Microscopy Microscopy, April 19-20, 2011*. Belgrade: University of Belgrade, Faculty of Technology and Metallurgy, 2011. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27868199](#)]

389. ŠTURM, Sašo. *Uvod v Presevno elektronsko mikroskopijo : študijsko gradivo za predmet Preiskave mineralnih materialov : študijsko leto 2010/2011*. Ljubljana: Oddelek za geologijo, Naravoslovnotehniška fakulteta, Univerza v Ljubljani, 2011. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27866919](#)]

390. ŠTURM, Sašo. *Case study : quantitative HRTEM and HAADF-STEM analysis of Ruddlesden-Popper planar nonstoichiometric SrTiO₃ : lecture notes for Winter HAADF and EELS Workshop, 10-12 December 2007, Orsay-Gif, France*. Oddelek za materiale in metalurgijo, Naravoslovnotehniška fakulteta, Univerza v Ljubljani, 2007. 1 optični disk (CD-ROM), ilustr. [COBISS.SI-ID [27868455](#)]

2.08 Doctoral dissertation

391. ŠTURM, Sašo. *Antifazne meje in politipne fazne transformacije v perovskitnih sistemih = antiphase boundaries and polytypic phase transformations in perovskite systems : doktorska disertacija*. Ljubljana: [S. Šturm], jan. 2003. ii, 205 f., ilustr., graf. prikazi. [COBISS.SI-ID [355166](#)]

2.11 Undergraduate thesis

392. ŠTURM, Sašo. *Mineraloške preiskave surovin in stekel iz steklarne (1722-1741) v Dolini Trebušice : diplomska delo.* Ljubljana: [S. Šturm], 1998. f. 117, ilustr. [COBISS.SI-ID [15242023](#)]

2.13 Treatise, preliminary study, study

393. BERNIK, Slavko, RADOŠEVIĆ, Tina, SAMARDŽIJA, Zoran, ŠTURM, Sašo. *Projekt NextGenHVEC : Pogodba št. U4-KE-K7-64/18 : poročilo 1, (1.7.-15.10.2019), (IJS delovno poročilo, 12926 zaupno).* 2019. [COBISS.SI-ID [32705831](#)]

394. BERNIK, Slavko, RADOŠEVIĆ, Tina, SAMARDŽIJA, Zoran, ŠTURM, Sašo. *Projekt NextGenHVEC : Pogodba št. U4-KE-K7-64/18 : poročilo 2, (16.10.2018-15.3.2019), (IJS delovno poročilo, 12927 zaupno).* 2019. [COBISS.SI-ID [32706087](#)]

395. BERNIK, Slavko, RADOŠEVIĆ, Tina, SAMARDŽIJA, Zoran, ŠTURM, Sašo. *Projekt NextGenHVEC : Pogodba št. U4-KE-K7-64/18 : poročilo 3, (16.3.-15.9.2019), (IJS delovno poročilo, 12928 zaupno).* 2019. [COBISS.SI-ID [32706343](#)]

396. ŠTURM, Sašo. *In situ XRD measurement of TiO_2 during heat treatment : phase transformation from anatase to rutile,* (IJS delovno poročilo, 12214). 2016. [COBISS.SI-ID [30087975](#)]

397. ŠTURM, Sašo. *TEM in AEM analize vzorcev kali in titanatov : Cinkarna Celje. 1. del,* (IJS delovno poročilo, 9723, zaupno). 2007. [COBISS.SI-ID [21183527](#)]

398. ŠTURM, Sašo. *TEM in AEM analize vzorcev kali in titanatov : Cinkarna Celje. 2. del,* (IJS delovno poročilo, 9725, zaupno). 2007. [COBISS.SI-ID [21186087](#)]

399. ŠTURM, Sašo. *SEM in RTG analiza vzorcev oblog in usedlin : (Cinkarna Celje),* (IJS delovno poročilo, 9399). 2006. [COBISS.SI-ID [19928359](#)]

400. ŠTURM, Sašo. *TEM analize vzorcev kali in titanatove : Cinkarna Celje,* (IJS delovno poročilo, 9506). 2006. [COBISS.SI-ID [20398119](#)]

401. ČEH, Miran, ŠTURM, Sašo, GEC, Medeja. *Interface analysis of piezoelectric ceramic materials : SEM, TEM and STEM analysis of sintered polycrystalline PMN-PT samples,* (IJS delovno poročilo, 9222). 2005; [S. l.: s. n.]. [COBISS.SI-ID [19470119](#)]

402. ČEH, Miran, ŠTURM, Sašo, GEC, Medeja, SAMARDŽIJA, Zoran. *Microstructural analysis of perovskite-based electroceramic materials : final report,* (IJS delovno poročilo, 9196, confidential). 2005; [S. l.: s. n.]. [COBISS.SI-ID [19227687](#)]

403. ČEH, Miran, ŠTURM, Sašo. *Microstructural analysis of perovskite-based electroceramic materials : anisotropic grain growth in $CaTiO_3$ and $SrTiO_3$ perovskites,* (IJS delovno poročilo, 9022, confidential). 2004. [COBISS.SI-ID [18742055](#)]

404. ČEH, Miran, ŠTURM, Sašo. *STEM and EDXS analysis of $Sr(Ti_{0.65}Fe_{0.35})O_3$ samples,* (IJS delovno poročilo, 9021, confidential). 2004. [COBISS.SI-ID [18742823](#)]

405. ŠTURM, Sašo, ČEH, Miran. *Resistive exhaust gas sensors on the basis of temperature-independent semiconducting oxides : progress report no. 3,* (IJS delovno poročilo, 8864, zaupno). 2003. [COBISS.SI-ID [17910055](#)]

406. ČEH, Miran, ŠTURM, Sašo. *STEM analysis of $Sr(Ti_{0.65}Fe_{0.35})O_3$,* (IJS delovno poročilo, 8837, zaupno). 2003. [COBISS.SI-ID [18733351](#)]

407. ŠTURM, Sašo. *TEM analiza TiO_2 prahov,* (IJS delovno poročilo, 8791). 2003. [COBISS.SI-ID [17509671](#)]

408. ŠTURM, Sašo. *AEM analiza CeO_2 in cerij/vanadatnih filmov na silikatnem substratu,* (IJS delobno poročilo, 8343). 2001. [COBISS.SI-ID [15819815](#)]

409. REČNIK, Aleksander, ŠTURM, Sašo, PODGORNIK, Aleš, ŽORŽ, Mirjan. *Geneza in mineralizacija septarij pri Gornjem Strihovcu,* (IJS delovno poročilo, 8090). 1999. [COBISS.SI-ID [14173223](#)]

2.15 Expertise, arbitration decision

410. ČEH, Miran, ŠTURM, Sašo, GEC, Medeja. *Analiza igralnih kart : dopolnilno izvedenišlo mnenje v pravdni zadevi št. K4/2005.* Nova Gorica: Okrožno sodišče, 2010. 16 str., ilustr. [COBISS.SI-ID [23393831](#)]

411. ČEH, Miran, ŠTURM, Sašo, GEC, Medeja. *Analiza igralnih kart : izvedenišlo mnenje v pravdni zadevi št. K4/2005.* Nova Gorica: Okrožno sodišče, 2010. 71 str., ilustr. [COBISS.SI-ID [23298599](#)]

2.23 Patent application

412. XU, Xuan, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. *A method for selective recovery of rare earth elements from Nd-Fe-B magnet scraps based on electrolysis : patentna rjava* 19197716-4-1103. München: European Patent Office, 25. Nov. 2019. [COBISS.SI-ID [33014055](#)]

413. XU, Xuan, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina. *A method for recovery of Nd₂Fe₁₄B grains from bulk sintered Nd-Fe-B magnets and/or magnet scraps by electrochemical etching : patentna prijava patentna prijava* EP 18208508.4. München: European Patent Office, 27. nov. 2018. [COBISS.SI-ID [32013863](#)]

2.24 Patent

414. VERHOVŠEK, Dejan, GOMINŠEK, Tomi, ČEH, Miran, BLAGOTINŠEK, Pavel, ŠTURM, Sašo, ŽAGAR, Kristina. *Nanodelci anatasa in postopek sinteze za pridobivanje nanodelcev anatasa : SI 23219 (A)*, 2011-05-31. Ljubljana: Urad Republike Slovenije za intelektualno lastnino, 2011. 20 str., ilustr. [COBISS.SI-ID [23426087](#)]

415. VERHOVŠEK, Dejan, ROŽMAN, Tatjana, ČEH, Miran, BLAGOTINŠEK, Pavel, ŠTURM, Sašo, ŽAGAR, Kristina. *Nanodelci rutila in postopek sinteze za pridobivanje nanodelcev rutila : patent : SI 23218 (A)*, 2011-05-31. Ljubljana: Urad Republike Slovenije za intelektualno lastnino, 2011. 19 str., ilustr. [COBISS.SI-ID [23196967](#)] patentna družina: WO 2011056151 (A1), 2011-05-12

2.25 Other monographs and other completed works

416. KRALJ-PAVLOVEC, Jasna, ŠTURM, Sašo, WRABER, Tone, PAVLOVEC, Alenka, PAVLOVEC, Rajko. *Trebuša : zapiski za ekskurzijo, ki sta jo priredila Društvo Exlibris Sloveniae in Svet knjige*, 20. maj 2000. [Ljubljana: Društvo Exlibris Sloveniae: Svet knjige, 2000]. 24 str., ilustr. [COBISS.SI-ID [107707904](#)]

PERFORMED WORKS (EVENTS)

3.12 Exhibition

417. JERŠEK, Miha (exhibitor), AMBROŽIČ, Bojan (exhibitor), MILER, Miloš (exhibitor), MIRTIČ, Breda (exhibitor), GOSAR, Mateja (exhibitor), ŠTURM, Sašo (exhibitor). *Meteoriti : 4. dnevi astronomije*, 11. - 25. mar. 2019, Šempeter pri Novi Gorici. [COBISS.SI-ID [19944851](#)]

418. JERŠEK, Miha, MIRTIČ, Breda, AMBROŽIČ, Bojan, GOSAR, Mateja, MILER, Miloš, ŠTURM, Sašo. *Kaj so meteoriti, zakaj so pomembni, meteoriti v Sloveniji : razstava v okviru 3. Tedna astronomije, ki je bila na ogled v času 2. - 9. april 2016 v Prireditvenem centru Jesenice.* [COBISS.SI-ID [2520661](#)]

419. JERŠEK, Miha (exhibitor), AMBROŽIČ, Bojan (exhibitor), MIRTIČ, Breda (exhibitor), GOSAR, Mateja (exhibitor), MILER, Miloš (exhibitor), ŠTURM, Sašo (exhibitor). *Meteorit Jezersko : tematska razstava postavljena v okviru 42. Mednarodnih dni fosilov, mineralov in okolja*, 10. - 11. maj 2014, Tržič. [COBISS.SI-ID [2276949](#)]

420. JERŠEK, Miha (exhibitor, photographer), MIRTIČ, Breda (exhibitor), AMBROŽIČ, Bojan (exhibitor), GOSAR, Mateja (exhibitor), MILER, Miloš (exhibitor), ŠTURM, Sašo (exhibitor). *Razstava meteorit Jezersko*. Jezersko: Kulturni dom Korotan, 11. 6. - 30. 9. 2014. http://www.jezersko.si/images/novice/2014/obcinaki_praznik_plakat.jpg. [COBISS.SI-ID 1341173]

421. ŠTURM, Sašo. *Kamenine, duh preteklosti : stalna geološka zbirka mineralov, kamnov in fosilov*. Tolmin: Gimnazija Tolmin, 23.12.1999. [COBISS.SI-ID 15425063]

3.14 Invited lecture at foreign university

422. ŠTURM, Sašo. *Prospects and challenges of liquid-cell transmission electron microscopy : invited talk*, Montanuniversität Leoben, 28. Nov. 2019, Leoben, Austria. [COBISS.SI-ID 32919335]

423. ŠTURM, Sašo (scribe). *Nucleation and growth of nanoparticles under dynamic conditions : from cosmic dust to functional nanomaterials : invited talk*, Sabanci University, Faculty of Engineering and Science, 12 December 2018, Istanbul, Turkey. [COBISS.SI-ID 32000807]

424. ŠTURM, Sašo. *Advanced microscopy methods for studying the nucleation and growth dynamics of nanostructures and interfaces in functional materials : invited talk*, Istituto Officina dei Materiali, (IOM) of the Italian National Research Council (CNR), 26th June 2017, Basovizza, Italy. [COBISS.SI-ID 30605863]

425. ŠTURM, Sašo. *Andvanced microscopy methods for studying the nucleation and growth dynamics of nanostructures and interfaces in functional materials : invited talk*, Elettra Sincrotrone, 28. June 2017, Trieste, Italy. [COBISS.SI-ID 31129127]

426. ŠTURM, Sašo. *Principles and applications of advanced analytical electron microscopy (TEM/STEM/EDX/EELS) : invited talk*, Institut Jean Lamour, Université de Lorraine, Nancy, France. [COBISS.SI-ID 31129383]

427. ŠTURM, Sašo. *Combined scanning transmission electron microscopy and spectroscopy : a key tool for solving fundamental material science questions at the nano-scale*. Leoben: Erich Schmid Institute of Materials Science, Austrian Academy of Sciences, 16. apr. 2015. [COBISS.SI-ID 28594471]

428. ŠTURM, Sašo. *Combining high-resolution transmission electron microscopy imaging and spectroscopy for solving fundemental material science questions : invited talk*, Dumlupınar University, 7 September 2015, Kütahya, Turkey. [COBISS.SI-ID 29477671]

429. ŠTURM, Sašo. *Advanced scanning transmission electron microscopy : invited lectures from February-May : invited talk*. Istanbul: Sabancı University, 2014. [COBISS.SI-ID 27868711]

430. ŽUŽEK ROŽMAN, Kristina, PEČKO, Darja, ARSHAD, Muhammad Shahid, KOSTEVŠEK, Nina, ŠTURM, Sašo, MCGUINESS, Paul J., KOBE, Spomenka. *Nanostructured materials : from synthesis to end use = Nanostrukturirani materiali : od sinteze do končne uporabe : invited talk*. Maribor: Univerza v Mariboru, Fakulteta za strojništvo, 3. jun. 2014. [COBISS.SI-ID 27800871]

431. ŠTURM, Sašo. *Transmission Electron Microscopy (TEM) for advanced materials characterization*. Ankara: Middle East Technical University, Department of Metallurgical and Materials Engineering, 26. nov. 2013. [COBISS.SI-ID 27343655]

432. ŠTURM, Sašo. *Characterization of complex nanostructures by analytical transmission electronmicroscopy : invited talk*. Tuzla: Sabancı University, Faculty for Engineering and Natural Sciences, 30. mar. 2011. [COBISS.SI-ID 24602151]

433. ŠTURM, Sašo. *Quantitative HRTEM and HAADF-STEM analysis of Ruddlesden-Popper planar faults in non-stoichiometric $SrTiO_3$: invited talk*. Berkely, CA: National Center for Electron Microscopy, Lawrence Berkley National Laboratory, 24 April 2006. [COBISS.SI-ID 19820839]

434. ŠTURM, Sašo. *Quantitative HRTEM and HAADF-STEM analysis of Ruddlesden-Popper planar faults in nonstroichiometric $SrTiO_3$* . Istanbul: Sabancı University, Faculty of Engineering and Natural Sciences, 17 Oct. 2006. [COBISS.SI-ID 20422951]

435. ŠTURM, Sašo. *Abnormal grain growth in Al₂O₃ induced by the presence of Y₂O₃ and SiO₂ : invited talk*. Stuttgart, Germany: Max-Planck-Institut fuer Metallforschung, 17. Jan. 2005. [COBISS.SI-ID [18762791](#)]

436. ŠTURM, Sašo. *HRTEM and HAADF-STEM analysis of planar faults in SrTiO₃ : invited talk*. Graz: FELMI-ZFE University of Technology, 14 October 2005. [COBISS.SI-ID [19394087](#)]

437. ŠTURM, Sašo. *Quantitative Z-contrast imaging of (CaO, SrO, BaO) planar faults in SrTiO₃ : invited talk*. Shanghai, China: Shanghai Institute of Ceramics, Chinese Academy of Sciences, 24. Sep. 2004. [COBISS.SI-ID [18744103](#)]

438. ŠTURM, Sašo. *Glažute v zahodni Sloveniji : predavanje na Društvo EXlibris Sloveniae*. 22 Oct. 1998. [COBISS.SI-ID [13997351](#)]

3.15 Unpublished conference contribution

439. KAPUN, Gregor, ŠTURM, Sašo, JERMAN, Ivan, GABERŠČEK, Miran. *Development of 3D phase analysis of materials for sustainable energy : lecture at the 12th Multinational Congress on Microscopy, August 23-28, 2015, Eger, Hungary*. [COBISS.SI-ID [6077978](#)]

440. KOSTEVŠEK, Nina, ŠTURM, Sašo, SERŠA, Igor, SEPE, Ana, BLOEMEN, Maarten, VERBIEST, Thierry, KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. *Hydrophilic silica- and zwitterionic catechol-coated single-core and multi-core FePt nanoparticles : presented at 5th International Colloids Conference, Amsterdam, 21-24 June 2015, Amsterdam, The Netherlands*. 2015. [COBISS.SI-ID [29262887](#)]

441. KOSTEVŠEK, Nina, ŽUŽEK ROŽMAN, Kristina, KOBE, Spomenka, ŠTURM, Sašo. *Magnetically and optically active FePt/SiO₂/Au hybrid nanoparticles for photothermal therapy : presented at Mobile Metal Nanoparticles: synthesis, characterization, modeling, and applications, Gordon Research Conference, June 15-20, 2014, South Hadley, MA, USA*. 2014. [COBISS.SI-ID [27815463](#)]

442. ARSHAD, Muhammad Shahid, ZAVAŠNIK, Janez, ŠTURM, Sašo, MCGUINESS, Paul J., KOBE, Spomenka, ŽUŽEK ROŽMAN, Kristina. *Microstructure, composition and magnetic properties of electrodeposited CoPt nanowires : presented at 7th IEEE Magnetics Society Summer School, 10-15 August 2014, Rio de Janeiro, Brazil*. 2014. [COBISS.SI-ID [27915303](#)]

443. KOBE, Spomenka, SARANTOPOULOU, Evangelia, ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, KOLLIA, Zoe, CEFALAS, Alciviadis-Constantinos. *Crystalline amorphous Fe-Sm-Ta-N magnetic nano-droplets processed by pulsed laser deposition at 157 nm : presented at IUMRS-ICEM 2008, International Conference on Electronic Materials 2008, 28th July - 1st August 2008, Sydney, Australia*. 2009. [COBISS.SI-ID [22778663](#)]

444. ERJAVEC, Boštjan, DOMINKO, Robert, GABERŠČEK, Miran, JAMNIK, Janko, PEJOVNIK, Stane, ŠTURM, Sašo, UMEK, Polona. *Tailored composites for high power batteries : [oral presentation at the] 59th Annual Meeting of the ISE "Electrochemistry down to the molecular level: interfacial science for life and technology"*. Sevilla [Spain]: International Society of Electrochemistry, 7-12 September 2008. [COBISS.SI-ID [4071450](#)]

3.16 Unpublished invited conference lecture

445. ŠTURM, Sašo. *Additive manufacturing of quasicrystals coatings for anti-stick devices in space applications : invited talk*, European Space Research and Technology Centre - ESA, 13 March 2019, Noordwijk, NL. [COBISS.SI-ID [32299559](#)]

446. ŠTURM, Sašo. *The basics of Transmission Electron Microscopy (TEM) techniques : presented at TEM hands-on training week, 27-31 August 2019, UNG kampus, Nova Gorica*. [COBISS.SI-ID [32302631](#)]

447. ŠTURM, Sašo. *AEM of permanent magnets : case study : presented at EU H2=2= MSCA ETN Demeter 3rd network Wide Event, 27 Februar - 1 March 2017, Ljubljana, Slovenia*. [COBISS.SI-ID [30428711](#)]

448. ŠTURM, Sašo. *Analytical electron microscopy of permanent magnets : presented at EU H2=2= MSCA ETN Demeter 3rd network Wide Event, 27 Februar - 1 March 2017, Ljubljana, Slovenia*. [COBISS.SI-ID [30428455](#)]

449. ŠTURM, Sašo. *Electron microscopy methods : 2nd e-Minds Training School, 2-6 April 2017, Schwäbisch Gmünd, Germany.* [COBISS.SI-ID [30430247](#)]
450. RAFAJA, David, TORUN, Hamdi, ŠTURM, Sašo. *Study of electrodeposits : composition, structure and morphology : 2nd e-Minds Training School, 2-6 April 2017, Schwäbisch Gmünd, Germany.* [COBISS.SI-ID [30429991](#)]
451. ŠTURM, Sašo, ŽUŽEK ROŽMAN, Kristina, MARKOLI, Sabina, CEFALAS, Alciviadis-Constantinos, SARANTOPOULOU, Evangelia, KOBE, Spomenka. *Advanced TEM characterization met-hods of complex nanostructures : presented at International Scientific Conference "Contemporary Materials 2011", 1-2 July, Banka Luka, Republic of Srpska.* 2011. [COBISS.SI-ID [24957223](#)]
452. KOCH, C., ČEH, Miran, ŠTURM, Sašo. *HAADS image simulation : presented at Winter HAADF and EELS Workshop, 10-12 December 2007, Orsay and Gif-sur-Yvette, France.* 2007. [COBISS.SI-ID [21425447](#)]

3.25 Other performed works

453. ŠTURM, Sašo, MEHDI, Layla, DUKES, Madeline, ANGELO, Joe d'. *In situ TEM : the frontier for liquid chemistry : invited talk, webinar Materials today, 7. December 2016.* <http://www.materialstoday.com/materials-chemistry/webinars/in-situ-tem-the-new-frontier-for-liquid-chemistry/>. [COBISS.SI-ID [30089767](#)]
454. ČEH, Miran, ROMIH, Rok, FIDLER, Sanja, MERZEL, Katarina, DRAŽIĆ, Goran, GEC, Medeja, JANČAR, Boštjan, KOSTANJŠEK, Rok, ERDANI-KREFT, Mateja, MALENŠEK, Luka, SAMARDŽIJA, Zoran, ŠROT, Vesna, ŠTURM, Sašo, Members of the Organizing committee. *7th Multinational Congress on Microscopy, June 26-30, 2005, Portorož, Slovenia.* 2005. [COBISS.SI-ID [20119079](#)]

SECONDARY AUTHORSHIP

Editor

455. *Geologija.* Šturm, Sašo (member of editorial board 2008-). [Tiskana izd.]. Ljubljana: Geološki zavod Slovenije: Slovensko geološko društvo, 1953-. ISSN 0016-7789. <http://www.geologija-revija.si/>. [COBISS.SI-ID [5636866](#)]
456. PIRKER, Luka (editor), HUDOKLIN, Samo (editor), KOBLAR, Maja (editor), KOSTANJŠEK, Rok (editor), KOVIČ, Andrej (editor), ŠETINA, Barbara (editor), ŠTURM, Sašo (editor), VITTORI, Miloš (editor), ŽAGAR, Kristina (editor), ŽNIDARŠIČ, Nada (editor), 3. slovensko posvetovanje mikroskopistov, 16. in 17. maj, Ankaran. *Knjiga povzetkov.* 1. izd. Ljubljana: Slovensko društvo za mikroskopijo, 2019. 87 str., ilustr. ISBN 978-961-94264-1-8. [COBISS.SI-ID [299852800](#)]
457. ŠESTAN, Andreja (editor), ŠTURM, Sašo (editor), ZAVAŠNIK, Janez (editor), ŽAGAR, Kristina (editor), 1. slovensko posvetovanje mikroskopistov = 1st Slovene Microscopy Symposium, 18. in 19. maj 2015, Piran, Slovenija. *Knjiga povzetkov = Book of abstracts.* [S. l.: s. n., 2015]. [90] str., ilustr. [COBISS.SI-ID [3463247](#)]
458. ŽAGAR, Kristina (editor), KOBLAR, Maja (editor), ŠTURM, Sašo (editor), ČEH, Miran (editor), AdSTEM 2014, European Workshop on Quantitative STEM Imaging, EELS and EDXS, September 29 - October 03, Piran, Slovenia. *Abstracts book.* Ljubljana: Department for Nanostructured Materials, Jožef Stefan Institute, 2014. 1 zv., ilustr. [COBISS.SI-ID [28015655](#)]
459. ŽAGAR, Kristina (editor), KOBLAR, Maja (editor), ŠTURM, Sašo (editor), ČEH, Miran (editor), AdSTEM 2014, European Workshop on Quantitative STEM Imaging, EELS and EDXS, September 29 - October 03, Piran, Slovenia. *Book of handouts, lectures & practicals.* Ljubljana: Department for Nanostructured Materials, Jožef Stefan Institute, 2014. 1 zv. (loč. pag.), prosojnice, ilustr. [COBISS.SI-ID [28015399](#)]
460. MIHAJOVIĆ, Dragan (editor), KOBE, Spomenka (editor), KAUČIČ, Venčeslav (editor), OSTERMAN, Natan (editor), NOVAK TUŠAR, Nataša (editor), ŽUŽEK ROŽMAN, Kristina (editor), ŠTURM, Sašo (editor), SLONANO 2012, 24-26 October 2012, Ljubljana, Slovenia. *Book of abstracts.* Ljubljana: Institut Jožef Stefan, 2012. 118 str., ilustr. <http://www.slonano.si/>. [COBISS.SI-ID [3340145](#)]

461. ŽITNIK, Matjaž, BUČAR, Klemen, BOHINC, Rok, LABLANQUIE, P., PENENT, F., PALAUDOUX, J., GROZDANOV, T., NAKANOV, M., ITO, K., MIHAJOVIĆ, Dragan (editor), KOBE, Spomenka (editor), KAUČIČ, Venčeslav (editor), OSTERMAN, Natan (editor), NOVAK TUŠAR, Nataša (editor), ŽUŽEK ROŽMAN, Kristina (editor), ŠTURM, Sašo (editor). Razpad notranjih vrzeli v molekuli pri absorbciji fotona. V: HUMAR, Matjaž (ur.), ŠKARABOT, Miha (ur.). *Zbornik povzetkov*, 8. konferenca fizikov v osnovnih raziskavah, Rimske Toplice, 19. oktober 2012. Ljubljana: DMFA - založništvo. 2012, str. 7. [COBISS.SI-ID [26220071](#)]

462. ŽAGAR, Kristina, ČEH, Miran (editor), ŠTURM, Sašo (editor), AdSTEM2009, Workshop on Quantitative HAADF-STEM imaging and EELS, 11-14 October 2009, Piran, Slovenia. *Book of handouts, lectures & practicals*. Ljubljana: Department for Nanostructured Materials, Jožef Stefan Institute, 2009. 1 zv. (loč. pag.), ilustr. [COBISS.SI-ID [23245607](#)]

463. ČUŠIN, Boško (editor), FORTUNAT-ČERNILOGAR, Damjana (editor), KOFOL, Karla (editor), LIPUŠČEK, Radovan (editor), ŠTURM, Sašo (editor). *Trebuški zbornik*. Tolmin: Tolminski muzej, 2003. 284 str., ilustr. ISBN 961-90844-4-6. [COBISS.SI-ID [127708928](#)]

Supervisor for Master's Theses (Bologna study programme)

464. KAPUN, Gregor. *Quantitative three-dimensional microstructural analysis of porous nanocompositional cermet Ni – Sm_{0.2}Ce_{0.8}O_{2 – δ}* : master thesis = *Kvantitativna tridimenzionalna analiza mikrostrukture poroznih nanokompozitnih kermet Ni – Sm_{0.2}Ce_{0.8}O_{2 – δ}* : magistrsko delo. Ljubljana: [G. Kapun], 2019. XXIII, 77 str., ilustr. [COBISS.SI-ID [32770855](#)]

Supervisor for Undergraduate Theses (2nd cycle Bologna study programme)

465. AMBROŽIČ, Bojan. *Metamorfni procesi v meteoritih Jesenice in Jezersko* : magistrsko delo = *metamorphic processes in meteorites Jesenice and Jezersko* : master's thesis. Ljubljana: [B. Ambrožič], 2015. XIII, 69 f., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=73364&lang=slv>. [COBISS.SI-ID [28882215](#)]

Supervisor - Other

466. 12. AMRT, Alpski mladinski raziskovalni tabor, 14. julij 1989, Dolenja Trebuša. 1998. [COBISS.SI-ID [17681703](#)]

467. BEDNARŠEK, Nina. *Razkrivanje zgodbe iz preteklosti skozi geološke sklade* : raziskovalna naloga : geologija. Novo mesto: Gimnazija Novo mesto, 1997. 38 f., ilustr. [COBISS.SI-ID [9351987](#)]

Co-Supervisor for Doctoral Dissertations

468. LENART, Alenka. *Strukturno kemijske preiskave dvojčenja naravnih in sintetičnih kristalov nizkotemperaturne oblike kremera* : doktorska disertacija. Ljubljana: [A. Lenart], 2014. VI, 112 str., ilustr. [COBISS.SI-ID [28097319](#)]

Co-Supervisor for Undergraduate Theses (2nd cycle Bologna study programme)

469. BARBER, Polona. *Neposredne dinamične strukturno-kemijske preiskave kinetičnih procesov hidratacije belita* : magistrsko delo = *direct dynamic structural and chemical analysis of belite hydration kinetics* : master's thesis. Ljubljana: [P. Barber], 2018. XVI, 65 f., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=105557>. [COBISS.SI-ID [1452894](#)]

470. KUŠTER, Monika. *Ternarni sistem Al-Cr-Sc* : magistrsko delo = *ternary system Al-Cr-Sc* : master's thesis. Ljubljana: [M. Kušter], 2018. XIV, 77 f., ilustr. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=103574>. [COBISS.SI-ID [1750623](#)]

Co-Supervisor for Undergraduate Theses (1st cycle Bologna study programme)

471. BEVC, Sara. *Mineraloško petrološka analiza vulkanskih kamnin z otoka Visa : diplomsko delo = mineralogical and petrological analysis of volcanic rocks from the island of Vis : diploma work.* Ljubljana: [S. Bevc], 2019. VII, 71 f., ilustr., priloge. <https://repozitorij.uni-lj.si/IzpisGradiva.php?id=112809>. [COBISS.SI-ID 1525086]

472. AMBROŽIČ, Bojan. *Mineralogija meteorita Jesenice : diplomsko delo = mineralogy of meteorite Jesenice.* Ljubljana: [B. Ambrožič], sep. 2012. VIII, 38 f., ilustr. [COBISS.SI-ID 993630]

Member of thesis defence committee

473. KAPUN, Gregor. *Quantitative three-dimensional microstructural analysis of porous nanocompositional cermet Ni – Sm_{0.2}Ce_{0.8}O₂(2 – δ) : master thesis = Kvantitativna tridimenzionalna analiza mikrostrukture poroznih nanokompozitnih kermet Ni – Sm_{0.2}Ce_{0.8}O₂ – δ) : magistrsko delo.* Ljubljana: [G. Kapun], 2019. XXIII, 77 str., ilustr. [COBISS.SI-ID 32770855]

474. XU, Xuan. *Recycling and reprocessing of Nd-Fe-B permanent magnets via electrochemical methods : doctoral dissertation = Recikliranje in ponovna predelava trajnih magnetov na osnovi sistema Nd-Fe-B z elektrokemijskimi metodami : doktorska disertacija.* Ljubljana: [X. Xu], 2019. XXIII, 96 str., ilustr. [COBISS.SI-ID 303415808]

475. KELHAR, Luka. *Rare earth containing multi-component metallic glasses : doctoral dissertation = Večkomponentna kovinska stekla z vsebnostjo redkih zemelj : doktorska disertacija.* Ljubljana: [L. Kelhar], 2018. XXII, str. 129, ilustr. [COBISS.SI-ID 32337959]

476. YILDIZHAN, Melike Mercan. *Structural and electronic investigation of Li₂ – TiO₂ system : doctoral thesis.* Sabanci: [M. Mercan Yildizhan], 2016. XXVIII, 141 f., ilustr. [COBISS.SI-ID 32956199]

477. KOSTEVŠEK, Nina. *Synthesis of hybrid nanoparticles with combined magneto-photothermal effect for medical applications : doctoral dissertation = Sinteza hibridnih nanodelcev s kombiniranim magneto-fototermičnim efektom za medicinske aplikacije : doktorska disertacija.* Ljubljana: [N. Kostevšek], 2016. XXIV, 116 str., ilustr., graf. prikazi. [COBISS.SI-ID 287036160]

478. VERHOVŠEK, Dejan. *Controlled synthesis of TiO [sub] 2, nanoparticles and their application in photovoltaics : doctoral dissertation = Kontrolirana sinteza TiO [spodaj] 2 nanodelcev in njihova uporaba v fotovoltaiki : doktorska disertacija.* Ljubljana: [D. Verhovšek], 2012. X, 135 str., ilustr., tabele. [COBISS.SI-ID 262598912]

479. ŽAGAR, Kristina. *Synthesis and characterization of perovskite nanostructures : doctoral dissertation = Sinteza in karakterizacija perovskitnih nanostruktur : doktorska disertacija.* Ljubljana: [K. Žagar], 2011. VII, 134 str., ilustr., tabele. [COBISS.SI-ID 256508928]

Selected format of bibliographic unit: ISO 690

Sorting of bibliographic records: typology, year - descending, title

Source of bibliographic records: shared data base COBISS.SI/COBIB.SI, 13. 2. 2020

JCR database updated on (half-yearly): 13. 9. 2019

Links between COBIB.SI and WoS records and number of citations updated on (monthly): 13. 2. 2020

SNIP database updated on (half-yearly): 13. 9. 2019

Links between COBIB.SI and Scopus records and number of citations updated on (daily): 13. 2. 2020