

**UNIVERZITA KOMENSKÉHO  
FAKULTA MATEMATIKY, FYZIKY A INFORMATIKY**

**Zoznam publikačnej činnosti**

**Ing. Maroš Gregor, PhD.**

**ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách**

ABC01 Gregor, Maroš [UKOMFKEF] (31%) - Plecenik, Tomáš [UKOMFKEF] (30%) - Plecenik, Andrej [UKOMFKEF] (30%) - Wolf-Brandstetter, Cornelia (3%) - Scharnweber, D. (3%) - Tofail, Syed Ansar M. (3%): Surface charge measurements on biomaterials in dry and wet conditions  
Lit. 42 záz. n.  
In: Biological Interactions with Surface Charge in Biomaterials. - Cambridge : RSC Publishing, 2012. - S. 26-44 [1,025 AH]. - ISBN 978-1-84973-185-0

**ADC Vedecké práce v zahraničných karentovaných časopisoch**

ADC01 Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Hrubá, Ľudmila - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Csuba, Adrian - Dobročka, Edmund - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: The influence of deposition parameters on TiB<sub>2</sub> thin films prepared by DC magnetron sputtering  
Lit. 9 záz. n.  
In: Vacuum. - Vol. 80, No. 1-3, Spec. Iss.(2005), s. 174-177  
[JVC 2004 : Joint Vacuum Conference. 10th, Portorož, 28.9.-2.10.2004]  
POZNÁMKA:  
Vyšlo aj ako abstrakt - JVC Program and Book of Abstracts. - Ljubljana : Družstvo za vakuumsko tehniku Slovenije, 2004. - S. 86. - ISBN 961-90025-5-5  
*Ohlasy (7):*  
[o1] 2006 Yu, X. - Wang, C. B. - Liu, Y. - Yu, D. Y. - Xing, T. Y.: Recent developments in magnetron sputtering. In: Plasma Science & Technology, Vol. 8, No. 3, 2006, s. 337-343 - SCI ; SCOPUS  
[o1] 2007 Duarte, A. - Coelho, B. - Vila, M. - Fernandes, A. J. S. - Silva, R. F. - Oliveira, F. - Costa, F. M.: Deposition of TiB<sub>2</sub> onto X40 CrMoV 5-1-1 steel substrates by DC magnetron sputtering. In: Vacuum, Vol. 81, No. 11-12, 2007, s.1519-1523 - SCI ; SCOPUS  
[o1] 2009 Duarte, A. - Vila, M. - Oliveira, F. J. - Costa, F. M.: Structure and morphology of TiB<sub>2</sub> duplex coatings deposited over X40 CrMoV 5-1-1 steel by DC magnetron sputtering. In: Vacuum, Vol. 83, No. 10, Sp. Iss., 2009, s. 1291-1294 - SCI; SCOPUS  
[o1] 2009 Chen, D. J. - Wu, H. L. - Zhang, L. P. - Sun, C. Y. - Li, Z. S. - He, Q. B.: Effect of deposition temperature on composition and morphology of TiB<sub>2</sub> coating. In: Journal of Aeronautical Materials, Vol. 29, No. 3, 2009, s. 50-54 -SCOPUS  
[o1] 2012 Silva, F. J. G. - Casais, R. C. B. - Martinho, R. P. - Baptista, A. P. M.: Mechanical and tribological characterization of TiB<sub>2</sub> thin films. In: Journal of Nanoscience and Nanotechnology, Vol. 12, No. 12, 2012, s. 9187-9194 - SCI ;SCOPUS  
[o1] 2014 Gu, W. C. - Li, S. D. - Wang, H. Y. - Chen, C. L. - Li, P. - Huang, F.: Influence of bias voltage on microstructure and properties of magnetron sputtering TiB<sub>2</sub> coating. In: Hangkong Cailiao Xuebao/Journal of Aeronautical Materials, Vol. 34, No. 5, 2014, s. 37-42 - SCOPUS  
[o1] 2015 Zhou, G. - Fang, D. - Yin, F. - Xia, M. - Zhuang, G. - Ding, H.: Synthesis and characterization of bionic Ti/TiB<sub>2</sub> multilayer. In: Zhenkong Kexue Yu Jishu Xuebao/Journal of Vacuum Science and Technology, Vol. 35, No. 7, 2015, s.819-824 - SCOPUS

ADC02 Zelenák, Andrej - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Gašparík, Vladimír [UKOMFKEF] -

Kováč, Peter: Preliminary results on the DECRIS 14-2m ECR heavy-ion injector source  
Lit. 4 záz. n.  
In: Vacuum. - Vol. 78, No. 2-4 (2005), s. 385-388

ADC03 Gregor, Maroš [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Tomášek, Milan - Kúš, Peter [UKOMFKEF] - Mičunek, Radovan - Štefečka, Miloslav - Zahoran, Miroslav [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF]: Preparation of variable-thickness MgB<sub>2</sub> thin film bridges by AFM nanolithography  
Lit. 14 záz. n., 5 obr.

In: Physica C - Superconductivity and its Applications. - Vol. 435 (2006), s. 82-86

*Ohlasy (5):*

[o1] 2009 Srinivasu, V. V. - Perold, W. J.: Observation of shapiro-steps in AFM-plough micron-size YBCO planar constrictions. In: IEEE Transactions on Applied Superconductivity, Vol. 19, No. 3, 2009, s. 187-190 - SCI ; SCOPUS

[o1] 2010 Elkaseh, A. A. O. - Perold, W. J. - Srinivasu, V. V.: Josephson nanoconstrictions made by AFM plowing of YBa<sub>2</sub> Cu<sub>3</sub> O<sub>7-x</sub> films. In: Journal of Applied Physics, Vol. 108, No. 5, 2010, Art. No. 053914 - SCI ; SCOPUS

[o1] 2011 Jiang, X. - Wu, G. - Zhou, J. - Wang, S. - Tseng, A. A. - Du, Z.: Nanopatterning on silicon surface using atomic force microscopy with diamond-like carbon (DLC)-coated Si probe. In: Nanoscale Research Letters, Vol. 6, 2011, Art. No.518 - SCI ; SCOPUS

[o1] 2011 Urbanek, M. - Kolarik, V. - Matejka, M.: SPM nanoscratching in the sub 100 Nm resolution. In: Nanocon 2011. Slezska Ostrava : Tanger, 2011, S. 213-217 - CPCI-S

[o2] 2014 Urbanek, M. - Kratky, S. - Matejka, M. - Kolarik, V. - Horacek, M.: Scanning probe nanolithography methods. In: Chemické listy, Vol. 108, No. 10, 2014, s. 937-941 - SCI ; SCOPUS

ADC04 Mičunek, Radovan - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Zahoran, Miroslav [UKOMFKEF] - Tomášek, Milan - Plecenik, Tomáš [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Jacko, Vladimír - Greguš, Ján [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Maheľ, Michal [UKOMFKEF]: Preparation of MgB<sub>2</sub> superconduction thin films by magnetron sputtering  
Lit. 6 záz. n., 7 obr.

In: Physica C - Superconductivity and its Applications. - Vol. 435, No. 1-2 (2006), s. 78-81

[WWS 2005 : Workshop on Weak Superconductivity : Satellite Workshop to EUCAS '05. Bratislava, 16.-19.9.2005]

*Indikátor časopisu:*

IF (JCR) 2006=0,792

POZNÁMKA:

Vyšlo aj ako abstrakt - WWS '05 : Satellite Workshop to EUCAS '05. - [Bratislava] : [SAV], 2005. - S. 53

*Ohlasy (8):*

[o1] 2010 Gonzalez-Silveira, M. - Gremaud, R. - Schreuders, H. - Van Setten, M. J. - Batyrev, E. - Rougier, A. - Dupont, L. - Bardaji, E. G. - Lohstroh, W. - Dam, B.: In-situ deposition of alkali and alkaline earth hydride thin films to investigate the formation of reactive hydride composites. In: Journal of Physical Chemistry C, Vol. 114, No. 32, 2010, s. 13895-13901 - SCI ; SCOPUS

[o1] 2011 de Jesus Cuadra-Solis, P. - Hernandez, J. M. - Garcia-Santiago, A. - Tejada, J. - Noskovic, J. - Pidik, A. - Grajcar, M.: Vortex avalanches induced by single high-frequency pulses in MgB<sub>2</sub> films. In: Journal of Superconductivity and Novel Magnetism, Vol. 24, No. 1-2, 2011, s. 395-400 - SCI ; SCOPUS

[o1] 2011 Yakinci Z. D. - Aydogdu Y.: Thickness dependence of critical current density in MgB<sub>2</sub> films prepared by thermal evaporation method. In: Journal of Superconductivity and Novel Magnetism, Vol. 24, No. 1-2, 2011, s. 523-527 - SCI ; SCOPUS

[o1] 2012 Fabretti, S. - Schfers, M. - Schebaum, O. - Thomas, P. - Thomas, A.: Transport measurements on lateral MgB<sub>2</sub>/2FeMgB<sub>2</sub> junctions. In: Journal of Applied Physics, Vol. 111, No. 7, 2012, Art. No. 07E112 - SCI ; SCOPUS

[o1] 2012 Sahoo, B. - Keune, W. - Kuncser, V. - Rohlsberger, R.: As-grown superconducting MgB<sub>2</sub> thin films prepared at extreme deposition conditions. In: Superconductor Science & Technology, Vol. 25, No. 1, 2012, Art. No. 015004 - SCI

- [o1] 2013 Fabretti, S. - Thomas, P. - Meinert, M. - Imort, I. M. - Thomas, A.: Fabrication of Superconducting MgB<sub>2</sub> Thin Films by Magnetron co-Sputtering on (001) MgO Substrates. In: Journal of Superconductivity and Novel Magnetism, Vol. 26, No. 5, 2013, s. 1879-1882 - SCI
- [o1] 2013 Kong, X. - Dai, Q. - Han, L. - Feng, Q. - Chu, M. - Xue, H. - Li, J. - Wang, F.: Influence of electron-beam annealing duration on MgB<sub>2</sub> film superconductivity. In: Materials Science Forum, Vol. 745-746, 2013, s. 255-260 - SCOPUS
- [o1] 2013 Zhou, Z.-Y. - Yang, F.-S. - Wang, S. - Yang, J. - Fu, X.-H.: Preparation of MgB<sub>2</sub> superconducting thin films by hybrid physics-chemistry vapor deposition. In: Gongneng Cailiao/Journal of Functional Materials, Vol. 44, No. 6, 2013, s.893-896 - SCOPUS

ADC05 Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Praščák, Mikuláš [UKOMFKEFd] - Mičunek, Radovan - Kubinec, Milan [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF] - Grajcar, Miroslav [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: MgB<sub>2</sub> radio-frequency superconducting quantum interference device prepared by atomic force microscope lithography  
Lit. 20 zázn., 4 obr.

In: Applied Physics Letters. - Vol. 91, No. 12 (2007), Art. No. 122502

*Indikátor časopisu:*

IF (JCR) 2007=3,596

*Ohlasy (4):*

- [o1] 2008 Iwata, F. - Ohara, K. - Ishizu, Y. - Sasaki, A. - Aoyama, H. - Ushiki, T.: Nanometer-scale manipulation and ultrasonic cutting using an atomic force microscope controlled by a haptic device as a human interface. In: Japanese Journal of Applied Physics, Vol. 47, No. 7, Part 3, 2008, s. 6181-6185 - SCI ; SCOPUS
- [o1] 2009 Iwata, F. - Saigo, K. - Asao, T. - Yasutake, M. - Takaoka, O. - Nakaue, T. - Kikuchi, S.: Removal method of nano-cut debris for photomask repair using an atomic force microscopy system. In: Japanese Journal of Applied Physics, Vol.48, No. 8, Part 3, Sp. Iss., 2009, Art. No. 08JB20 - SCI ; SCOPUS
- [o1] 2009 Iwata, F. - Kawanishi, S. - Sasaki, A. - Aoyama, H. - Ushiki, T.: Nanometer-scale manipulator and ultrasonic cutter using an atomic force microscope controlled by a haptic device. In: Proceedings of SPIE, Art. No. 71334E - CPCI-S ; SCOPUS
- [o1] 2009 Lee, S. G. - Hong, S. H. - Seong, W. K. - Kang, W. N.: All focused ion beam fabricated MgB<sub>2</sub> inter-grain nanobridge dc SQUIDS. In: Superconductor Science & Technology, Vol. 22, No. 6, 2009, Art. No. 064009 - SCI ; SCOPUS

ADC06 Gregor, Maroš [UKOMFKEF] - Mičunek, Radovan (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Roch, Tomáš [UKOMFKEF] (7%) - Lugstein, Alois - Bertagnolli, Emmerich - Vávra, Ivo - Štefečka, Miloslav - Kubinec, Milan [UKOMFKEF] (4%) - Leporis, Marek [UKOEXFM] - Gašparík, Vladimír [UKOMFKEF] (4%) - Kúš, Peter [UKOMFKEF] (11%) - Plecenik, Andrej [UKOMFKEF] (11%): Nano-bridges based on the superconducting MgB<sub>2</sub> thin films  
Lit. 11 zázn.

In: Physica C - Superconductivity and its Applications. - Vol. 468, No. 7-10 (2008), s. 785-788

*Indikátor časopisu:*

IF (JCR) 2008=0,740

*Ohlasy (3):*

- [o1] 2011 de Jesus Cuadra-Solis, P. - Hernandez, J. M. - Garcia-Santiago, A. - Tejada, J. - Noskovic, J. - Pidik, A. - Grajcar, M.: Vortex avalanches induced by single high-frequency pulses in MgB<sub>2</sub> films. In: Journal of Superconductivity and Novel Magnetism, Vol. 24, No. 1-2, 2011, s. 395-400 - SCI ; SCOPUS
- [o1] 2011 Yakinci, M. E. - Aksan, M. A. - Balci, Y. - Altin, S. - Onal, Y. - Aydogdu, Y.: Nano-sized spherical MgB<sub>2</sub> superconducting powder fabrication using MHz range Ultrasonic Spray Pyrolysis (USP) system. In: Journal of Superconductivity and Novel Magnetism, Vol. 24, No. 1-2, 2011, s. 235-239 - SCI ; SCOPUS
- [o1] 2011 Yakinci Z. D. - Aydogdu Y.: Thickness dependence of critical current density in MgB<sub>2</sub> films prepared by thermal evaporation method. In: Journal of Superconductivity and Novel Magnetism, Vol. 24, No. 1-2, 2011, s. 523-527 - SCI ; SCOPUS

ADC07 Plecenik, Tomáš [UKOMFKEF] (20%) - Gregor, Maroš [UKOMFKEF] - Praščák, Mikuláš [UKOMFKEFd] (15%) - Mičunek, Radovan (9%) - Grajcar, Miroslav [UKOMFKEF] (8%) - Lugstein, Alois - Bertagnolli, Emmerich - Zahoran, Miroslav [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (6%) - Kúš, Peter

[UKOMFKEF] (8%) - Plecenik, Andrej [UKOMFKEF] (8%): Superconducting MgB<sub>2</sub> weak links and superconducting quantum interference devices prepared by AFM nanolithography  
Lit. 8 zázň.

In: Physica C - Superconductivity and its Applications. - Vol. 468, No. 7-10 (2008), s. 789-792

*Indikátor časopisu:*

IF (JCR) 2008=0,740

*Ohlasy (2):*

[o1] 2009 Yang, X. Y. - You, L. X. - Wang, X. - Zhang, L. B. - Kang, L. - Wu, P. H.: Local anodic oxidation of superconducting NbN thin films by an atomic force microscope. In: Superconductor Science and Technology, Vol. 22, No. 12, 2009, Art.No. 125027 - SCI ; SCOPUS

[o1] 2011 Tseng, A. A.: Nanoscale scratching with single and dual sources using atomic force microscopes. In: TIP-based nanofabrication: fundamentals and applications. New York : Springer, 2011, S. 1-64 - BKCI-S

ADC08 Lang, Sidney B. (10%) - Tofail, Syed Ansar M. (10%) - Gandhi, Abbasi A. (10%) - Gregor, Maroš [UKOMFKEF] (30%) - Wolf-Brandstetter, Cornelia (10%) - Kost, J. (10%) - Bauer, S. (10%) - Krause, M. (10%): Pyroelectric, piezoelectric, and photoeffects in hydroxyapatite thin films on silicon  
Lit. 18 zázň., 6 obr.

In: Applied Physics Letters. - Vol. 98, No. 12 (2011), Art. No. 123703, s. 1-3

*Ohlasy (16):*

[o1] 2012 Bystrov, V. - Costa, E. - Santos, S. - Almeida, M. - Kholkin, A. - Dekhtyar, Y. - Bystrova, A. V. - Kopyl, S. - Paramonova, E. V.: Computational Study of Hydroxyapatite Properties and Surface Interactions. In: International Symposium on Applications of Ferroelectrics. New York : IEEE, 2012, S. 1-3 - CPCI-S ; SCOPUS

[o1] 2012 Ribeiro, C. - Moreira, S. - Correia, V. - Sencadas, V. - Rocha, J. G. - Gama, F. M. - Gomez Ribelles, J. L. - Lanceros-Mendez, S.: Enhanced proliferation of pre-osteoblastic cells by dynamic piezoelectric stimulation. In: RSC Advances, Vol. 2, No. 30, 2012, s. 11504-11509 - SCI

[o1] 2012 Yang, Y. - Jung, J. H. - Yun, B. K. - Zhang, F. - Pradel, K. C. - Guo, W. - Wang, Z. L.: Flexible pyroelectric nanogenerators using a composite structure of lead-free KNbO<sub>3</sub> nanowires. In: Advanced Materials, Vol. 24, No. 39, 2012, s. 5357-5362 - SCI ; SCOPUS

[o1] 2012 Yang, Y. - Guo, W. - Pradel, K. C. - Zhu, G. - Zhou, Y. - Zhang, Y. - Hu, Y. - Lin, L. - Wang, Z. L.: Pyroelectric nanogenerators for harvesting thermoelectric energy. In: Nano Letters, Vol. 12, No. 6, 2012, s. 2833-2838 - SCI ; SCOPUS

[o1] 2013 Akazawa, H. - Ueno, Y.: Growth of preferentially c-axis oriented hydroxyapatite thin films on Si(100) substrate by electron-cyclotron-resonance plasma sputtering. In: Applied Surface Science, Vol. 276, 2013, s. 217-222 - SCI ; SCOPUS

[o1] 2013 Bystrov, V. S. - Paramonova, E. V. - Costa, M. E. V. - Santos, C. - Almeida, M. - Kopyl, S. - Dekhtyar, Y. - Bystrova, A. V. - Maevsky, E. I. - Pullar, R. C. - Kholkin, A. L.: A Computational Study of the Properties and Surface Interactions of Hydroxyapatite. In: Ferroelectrics, Vol. 449, No. 1, 2013, s. 94-101 - SCI ; SCOPUS

[o1] 2014 Akazawa, H. - Ueno, Y.: Control of composition and crystallinity in hydroxyapatite films deposited by electron cyclotron resonance plasma sputtering. In: Journal of Physics and Chemistry of Solids, Vol. 75, No. 1, 2014, s. 94-99 - SCI ; SCOPUS

[o1] 2014 Horiuchi, N. - Nakaguki, S. - Wada, N. - Nozaki, K. - Nakamura, M. - Nagai, A. - Katayama, K. - Yamashita, K.: Polarization-induced surface charges in hydroxyapatite ceramics. In: Journal of Applied Physics, Vol. 116, No. 1, 2014, Art. No. 014902 - SCI ; SCOPUS

[o1] 2014 Leng, Q. - Chen, L. - Guo, H. - Liu, J. - Liu, G. - Hu, C. - Xi, Y.: Harvesting heat energy from hot/cold water with a pyroelectric generator. In: Journal of Materials Chemistry A, Vol. 2, No. 30, 2014, s. 11940-11947 - SCI ; SCOPUS

[o1] 2015 Bystrov, V. S.: Piezoelectricity in the Ordered Monoclinic Hydroxyapatite. In: Ferroelectrics, Vol. 475, No. 1, 2015, s. 148-153 - SCI ; SCOPUS

[o1] 2015 Bystrov, V. S. - Coutinho, J. - Bystrova, A. V. - Dekhtyar, Yu. D. - Pullar, R. C. - Poronin, A. - Palcevskis, E. - Dindune, A. - Alkan, B. - Durucan, C. - Paramonova, E. V.: Computational study of hydroxyapatite structures, properties and defects. In: Journal of Physics D, Vol. 48, No. 19, 2015, Art. No. 195302 - SCI ; SCOPUS

- [o1] 2015 Nishigaki, T. - Hontsu, S.: Effect of poling treatment on piezoelectric constant of pulsed laser deposited hydroxy apatite thin films. In: Key Engineering Materials, Vol. 631, 2015, s. 253-257 - SCOPUS
- [o1] 2015 Putzeys, T. - Wubbenhorst, M.: Polarization domain information on insect wing chitin using the scanning pyroelectric microscope (SPEM). In: IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 22, No. 3, 2015, s.1394-1400 - SCI ; SCOPUS
- [o1] 2015 Ren, L. - Yang, P. F. - Wang, Z. - Zhang, J. - Ding, C. - Shang, P.: Biomechanical and biophysical environment of bone from the macroscopic to the pericellular and molecular level. In: Journal of the Mechanical Behavior of Biomedical Materials, Vol. 50, 2015, s. 104-122 - SCI ; SCOPUS
- [o1] 2015 Uskokovic, V.: The role of hydroxyl channel in defining selected physicochemical peculiarities exhibited by hydroxyapatite. In: RSC Advances, Vol. 5, No. 46, 2015, s. 36614-36633 - SCI ; SCOPUS
- [o1] 2016 Zhang, H. - Xie, Y. - Li, X. - Huang, Z. - Zhang, S. - Su, Y. - Wu, B. - He, L. - Yang, W. - Lin, Y.a: Flexible pyroelectric generators for scavenging ambient thermal energy and as self-powered thermosensors. In: Energy, Vol. 101,2016, s. 202-210 - SCOPUS

ADC09 Plecenik, Tomáš [UKOMFKEF] (25 %) - Tofail, Syed Ansar M. (1%) - Gregor, Maroš [UKOMFKEF] (15 %) - Zahoran, Miroslav [UKOMFKEF] (15 %) - Truchlý, Martin [UKOMFKEFs] (10 %) - Laffir, F. - Roch, Tomáš [UKOMFKEF] (5 %) - Ďurina, Pavol [UKOMFKEF] (5 %)- Vargová, Melinda [UKOPRCAG] (7%) - Plesch, Gustáv [UKOPRCAG] (7%) - Kúš, Peter [UKOMFKEF] (5 %) - Plecenik, Andrej [UKOMFKEF] (5 %): Direct creation of microdomains with positive and negative surface potential on hydroxyapatite coatings  
Lit. 13 záz.

In: Applied Physics Letters. - Vol. 98, No. 11 (2011), Art. No. 113701, s. 1-3

*Indikátor časopisu:*

IF (JCR) 2011=3,844

*Ohlasy (1):*

- [o1] 2015 Hristu, R. - Stanciu, S. G. - Tranca, D. E. - Stanciu, G. A.: Electron beam influence on the carbon contamination of electron irradiated hydroxyapatite thin films. In: Applied Surface Science, Vol. 346, 2015, s. 342-347 - SCI

ADC10 Robin, Sylvain (8%) - Gandhi, Abbasi A. (8%) - Gregor, Maroš [UKOMFKEF] (20%) - Laffir, Fathima R. (8%) - Plecenik, Tomáš [UKOMFKEF] (20%) - Plecenik, Andrej [UKOMFKEF] (20%) - Soulimane, Tewfik (8%) - Tofail, Syed Ansar M. (8%): Charge specific protein placement at submicrometer and nanometer scale by direct modification of surface potential by electron beam  
Lit. 29 záz.

In: Langmuir. - Vol. 27, No. 24 (2011), s. 14968-14974

*Ohlasy (2):*

- [o1] 2012 Jang, K. - Xu, Y. - Sato, K. - Tanaka, Y. - Mawatari, K. - Kitamori, T.: Micropatterning of biomolecules on a glass substrate in fused silica microchannels by using photolabile linker-based surface activation. In: Microchimica Acta, Vol. 179, No. 1-2, 2012, s. 49-55 - SCOPUS
- [o1] 2014 Horiuchi, N. - Nakagaki, S. - Wada, N. - Nozaki, K. - Nakamura, M. - Nagai, A. - Katayama, K. - Yamashita, K.: Polarization-induced surface charges in hydroxyapatite ceramics. In: Journal of Applied Physics, Vol. 116, No. 1, 2014, Art. No. 014902 - SCI ; SCOPUS

ADC11 Plecenik, Tomáš [UKOMFKEF] (20%) - Robin, Sylvain (5%) - Gregor, Maroš [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Lang, Sidney B. (5%) - Gandhi, Abbasi A. (5%) - Zahoran, Miroslav [UKOMFKEF] (10%) - Laffir, Fathima R (5%) - Soulimane, Tewfik (5%) - Vargová, Melinda (5%) - Plesch, Gustáv [UKOPRCAG] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Tofail, Syed Ansar M. (5%): Directly created electrostatic micro-domains on hydroxyapatite: probing with a Kelvin Force probe and a protein  
Lit. 16 záz., 3 obr.

In: Journal of Materials Science : Materials in Medicine. - Vol. 23, No. 1 (2012), s. 47-50

[ECB 2011 : European Conference on Biomaterials. 24th, Dublin, 4.-8.9.2011]

*Indikátor časopisu:*

IF (JCR) 2012=2,141

POZNÁMKA:

Vyšlo aj ako abstrakt - ECB 2011 [elektronický zdroj]. - [S.l.] : [s.n.], 2011. - nestr. [1 s.] [online]

ADC12 Plecenik, Tomáš [UKOMFKEF] (15%) - Tomášek, Milan (15%) - Belogolovskii, Mikhail A. (5%) - Truchlý, Martin [UKOMFKEFs] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Noskovič, Jaroslav [UKOMFKEFd] (5%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Boylo, I. (5%) - Španková, M. (5%) - Chromik, Štefan (5%) - Kúš, Peter [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (15%): Effect of crystallographic anisotropy on the resistance switching phenomenon in perovskites

Lit. 25 zázn.

In: Journal of Applied Physics. - Vol. 111, No. 5 (2012), Art. No. 056106, s. 1-3

*Indikátor časopisu:*

IF (JCR) 2012=2,21

*Ohlasy (3):*

[o1] 2013 Schulman, A. - Acha, C.: Cyclic electric field stress on bipolar resistive switching devices. In: Journal of Applied Physics, Vol. 114, No. 24, 2013, Art. No. 243706 - SCI ; SCOPUS

[o1] 2014 Tulina, N. A. - Rossolenko, A. N. - Borisenko, I. Y. - Shmytko, I. M. - Ionov, A. M. - Ivanov, A. A.: Realization of rectifying and resistive switching behaviors of mesoscopic niobium oxide-based structures. In: Materials Letters, Vol. 136, 2014, s. 404-406 - SCI

[o1] 2015 Schulman, A. - Lanosa, L. F. - Acha, C.: Poole-Frenkel effect and variable-range hopping conduction in metal/YBCO resistive switching devices. In: Journal of Applied Physics, Vol. 118, No. 4, 2015, Art. No. 044511 - SCI

ADC13 Truchlý, Martin [UKOMFKEFs] (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Krško, Ondrej [UKOMFKEFd] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (5%) - Mikula, Marián [UKOMFKEF] (5%) - Dujavová, Agáta (5%) - Chromik, Štefan (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Studies of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6+x</sub> degradation and surface conductivity properties by scanning spreading resistance microscopy

Lit. 14 zázn.

In: Physica C - Superconductivity and its Applications. - Vol. 483 (2012), s. 61-66

*Indikátor časopisu:*

IF (JCR) 2012=0,718

*Ohlasy (1):*

[o1] 2016 Zhong, J. - Yan, J.: Seeing is believing: Atomic force microscopy imaging for nanomaterial research. In: RSC Advances, Vol. 6, No. 2, 2016, s. 1103-1121 - SCOPUS

ADC14 Zhang, Yuqi (30%) - Gandhi, Abbasi A. (20%) - Zeglinski, Jacek (20%) - Gregor, Maroš [UKOMFKEF] (20%) - Tofail, Syed Ansar M. (10%): A complementary contribution to piezoelectricity from bone constituents

Lit. 27 zázn., 7 obr., 1 tab.

In: IEEE Transactions on Dielectrics and Electrical Insulation. - Vol. 19, No. 4 (2012), s. 1151-1157

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2012=1,360

SJR (SCOPUS) 2012=0.868

SNIP (SCOPUS) 2012=2.028

*Ohlasy (3):*

[o1] 2013 Okino, M. - Coutelou, S. - Mizuno, K. - Yanagitani, T. - Matsukawa, M.: Electrical potentials in bone induced by ultrasound irradiation in the megahertz range. In: Applied Physics Letters, Vol. 103, No. 10, 2013, Art. No. 103701 -SCI ; SCOPUS

[o1] 2015 Tsuneda, H. - Matsukawa, S. - Takayanagi, S. - Mizuno, K. - Yanagitani, T. - Matsukawa, M.: Effects of microstructure and water on the electrical potentials in bone induced by ultrasound irradiation. In: Applied Physics Letters, Vol. 106, No. 7, 2015, Art. No. 073704 - SCI ; SCOPUS

[o1] 2016 Scheiner, S. - Pivonka, P. - Hellmich, C.: Poromicromechanics reveals that physiological bone strains induce osteocyte-stimulating lacunar pressure. In: Biomechanics and Modeling in Mechanobiology, Vol. 15, No. 1, 2016, s. 9-28 -SCOPUS

- ADC15 Chromik, Štefan (40%) - Nishida, A. (10%) - Štrbík, Vladimír (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Espinós, Juan Pablo (10%) - Liday, J. (10%) - Durný, R. (10%): The distribution of elements in sequentially prepared MgB(2) on SiC buffered Si substrate and possible pinning mechanisms  
Lit. 9 záz., 5 obr.  
In: Applied Surface Science. - Vol. 269 (2013), s. 29-32
- ADC16 Mikula, Marián [UKOMFKEF] (45%) - Grančič, Branislav [UKOMFKEF] (10%) - Drienovský, Marián (5%) - Satrapinsky, Leonid [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Hájovská, Z. (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Čička, R. (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Thermal stability and high-temperature oxidation behavior of Si Cr N coatings with high content of silicon  
Lit. 21 záz.  
In: Surface & Coatings Technology. - Vol. 232 (2013), s. 349-356  
*Indikátor časopisu:*  
IF (JCR) 2013=2,199
- ADC17 Plecenik, Tomáš [UKOMFKEF] (20%) - Gregor, Maroš [UKOMFKEF] (15%) - Sobota, Róbert [UKOMFKEFd] (15%) - Truchlý, Martin [UKOMFKEFs] (10%) - Satrapinsky, Leonid [UKOMFKEF] (10%) - Kurth, Fritz (4%) - Holzapfel, Bernard (4%) - Iida, Kazumasa (4%) - Kúš, Peter [UKOMFKEF] (8%) - Plecenik, Andrej [UKOMFKEF] (10%): Surface transport properties of Fe-based superconductors: The influence of degradation and inhomogeneity  
Lit. 15 záz.  
In: Applied Physics Letters. - Vol. 103, No. 5 (2013), Art. No. 052601, s. 1-4  
*Ohlasy (2):*  
[o1] 2014 Reifert, D. - Hasan, N. - Doring, S. - Schmidt, S. - Monecke, M. - Feltz, M. - Schmidl, F. - Tympel, V. - Wisniewski, W. - Moench, I. - Wolf, T. - Seidel, P.: Preparation of hybrid Josephson junctions on Co-doped Ba-122 singlecrystals. In: Superconductor Science & Technology, Vol. 27, No. 8, 2014, Art. No. 085003 - SCI ; SCOPUS  
[o1] 2015 Kononenko, V. - Tarenkov, V. - Belogolovskii, M. - Doering, S. - Schmidt, S. - Seidel, P.: Tracing the evolution of the two energy gaps in magnesium diboride under pressure. In: Low Temperature Physics, Vol. 41, No. 4, 2015, s.264-269 - SCI ; SCOPUS
- ADC18 Truchlý, Martin [UKOMFKEFs] (15%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Sečianska, Katarína [UKOMFKEFd] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Zahoran, Miroslav [UKOMFKEF] (10%) - Vargová, Melinda (10%) - Mikula, Marián [UKOMFKEF] (5%) - Grančič, Branislav [UKOMFKEF] (5%) - Plesch, Gustáv [UKOPRCAG] (10%) - Tofail, Syed Ansar M. (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Surface potential patterning of hydroxyapatite films by focused electron beam: Influence of the electron energy  
Lit. 18 záz., 4 obr.  
In: Applied Surface Science. - Vol. 269 (2013), s. 184-187  
*Indikátor časopisu:*  
IF (JCR) 2013=2,538 [2012-2,112]  
*Ohlasy (2):*  
[o1] 2014 Zhao, J. - Zhang, Z. - Yu, Z. - He, Z. - Yang, S. - Jiang, H.: Nucleation and characterization of hydroxyapatite on thioglycolic acid-capped reduced graphene oxide/silver nanoparticles in simplified simulated body fluid. In: Applied Surface Science, Vol. 289, January, 2014, s. 89-96 - SCI ; SCOPUS  
[o1] 2015 Hristu, R. - Stanciu, S. G. - Tranca, D. E. - Stanciu, G. A.: Electron beam influence on the carbon contamination of electron irradiated hydroxyapatite thin films. In: Applied Surface Science, Vol. 346, 2015, s. 342-347 - SCI ; SCOPUS
- ADC19 Grančič, Branislav [UKOMFKEF] (9%) - Mikula, Marián [UKOMFKEF] (7%) - Roch, Tomáš [UKOMFKEF] (7%) - Zeman, P. (7%) - Satrapinsky, Leonid [UKOMFKEF] (7%) - Gregor, Maroš [UKOMFKEF] (7%) - Plecenik, Tomáš [UKOMFKEF] (7%) - Dobročka, Edmund (7%) - Hájovská, Z. (7%) - Mičušík, Matej (7%) - Šatka, A. (7%) - Zahoran, Miroslav [UKOMFKEF] (7%) - Plecenik, Andrej

[UKOMFKEF] (7%) - Kúš, Peter [UKOMFKEF] (7%): Effect of Si addition on mechanical properties and high temperature oxidation resistance of Ti-B-Si hard coatings  
Lit. 19 zázň., 13 obr.  
In: Surface & Coatings Technology. - Vol. 240 (2014), s. 48-54  
*Indikátor časopisu:*  
IF (JCR) 2014=1,998

ADC20 Gregor, Maroš [UKOMFKEF] (30%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Sobota, Róbert [UKOMFKEFd] (10%) - Brndiarová, Jana (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinsky, Leonid [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%): Influence of annealing atmosphere on structural and superconducting properties of MgB<sub>2</sub> thin films  
Lit. 12 zázň., 4 obr., 1 tab.  
In: Applied Surface Science. - Vol. 312 (2014), s. 97-101  
[SSSI 2013 : Solid State Surfaces and Interfaces : Conference. 8th, Smolenice, 25.-28.11.2013]  
*Indikátor časopisu:*  
IF (JCR) 2014=2,711

ADC21 Hotový, Ivan (50%) - Haščík, Štefan (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Řeháček, Vlastimil (10%) - Predanocy, Martin (10%) - Plecenik, Andrej [UKOMFKEF] (10%): Dry etching characteristics of TiO<sub>2</sub> thin films using inductively coupled plasma for gas sensing  
Lit. 9 zázň.  
In: Vacuum. - Vol. 107, Spec. Iss. (2014), s. 20-22  
*Ohlasy (1):*  
[o1] 2015 Lepcha, A. - Maccato, C. - Mettenboerger, A. - Andreu, T. - Mayrhofer, L. - Walter, M. - Olthof, S. - Ruoko, T. P. - Klein, A. - Moseler, M. - Meerholz, K. - Morante, J. R. - Barreca, D. - Mathur, S.: Electrospun black titaniananofibers: influence of hydrogen plasma-induced disorder on the electronic structure and photoelectrochemical performance. In: Journal of Physical Chemistry C, Vol. 119, No. 33, 2015, s. 18835-18842 - SCI ; SCOPUS

ADC22 Hristu, Radu (15%) - Tranca, Denis E. (10%) - Stanciu, Stefan G. (5%) - Gregor, Maroš [UKOMFKEF] (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Truchlý, Martin [UKOMFKEFs] (15%) - Roch, Tomáš [UKOMFKEF] (15%) - Tofail, Syed Ansar M. (5%) - Stanciu, George A. (5%): Surface charge and carbon contamination on an electron-beam-irradiated hydroxyapatite thin film investigated by photoluminescence and phase imaging in atomic force microscopy  
Lit. 39 zázň., 6 obr.  
In: Microscopy and Microanalysis. - Vol. 20, No. 2 (2014), s. 586-595  
*Indikátor časopisu:*  
IF (JCR) 2014=1,877

ADC23 Košč, Ivan (35%) - Hotový, Ivan (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Predanocy, Martin (5%) - Koščová, Michaela [UKOMFKAMSD] (10%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Double layer films based on TiO<sub>2</sub> and NiO<sub>x</sub> for gas detection  
Lit. 38 zázň., 11 obr.  
In: Applied Surface Science. - Vol. 312 (2014), s. 120-125  
[SSSI 2013 : Solid State Surfaces and Interfaces : Conference. 8th, Smolenice, 25.-28.11.2013]  
*Indikátor časopisu:*  
IF (JCR) 2014=2,711  
POZNÁMKA:  
Vyšlo aj ako abstrakt - Proceedings of 8th Solid State Surfaces and Interfaces. - Bratislava : Comenius University, 2013. - S. 82-83. - ISBN 978-80-223-3501-0  
*Ohlasy (3):*  
[o1] 2014 Han, J. - Zhang, S. - Zhang, J. - Yan, R.: Modified extra-large mesoporous silica supported Au-Ni as a highly efficient catalyst for oxidative coupling of aldehydes with methanol. In: RSC Advances, Vol. 4, No. 102, 2014, s.58769-58772 - SCI ; SCOPUS



[o1] 2015 Qi, X. - Su, G. - Bo, G. - Cao, L. - Liu, W.: Synthesis of NiO and NiO/TiO<sub>2</sub> films with electrochromic and photocatalytic activities. In: Surface and Coatings Technology, Vol. 272, 2015, s. 79-85 - SCOPUS

[o1] 2016 Yamazoe, N. - Suematsu, K. - Shimano, K.: Surface chemistry of neat tin oxide sensor for response to hydrogen gas in air. In: Sensors and Actuators, B: Chemical, Vol. 227, 2016, s. 403-410 - SCI ; SCOPUS

ADC24 Michal, Róbert [UKOPRCAG] (16%) - Dworniczek, Ewa (12%) - Čaplovičová, Mária [UKOPRGLG] (12%) - Gregor, Maroš [UKOMFKEF] (12%) - Čaplovič, Ľubomír (12%) - Seniuk, Alicja (12%) - Kúš, Peter [UKOMFKEF] (12%) - Plesch, Gustáv [UKOPRCAG] (12%): Photocatalytic and photodisinfectant activity of sulfated and Eu doped anatase against clinically important microorganisms

Lit. 51 zázň., 8 obr., 4 tab.

In: Ceramics International. - Vol. 40, No. 4 (2014), s. 5745-5756

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2014=2,605 [2013-2,086]

*Kvartil Q:*

wos-jcr -- Q1 [materials science, ceramics] -- 2014

ADC25 Mikula, Marián [UKOMFKEF] (40%) - Roch, Tomáš [UKOMFKEF] (15%) - Plašienka, Dušan, ml. [UKOMFKEF] (15%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Švec, P. Jr. (5%) - Vlčková, Dominika (5%) - Dvoranová, Mária [UKOMFKEFd] (5%) - Grančič, Branislav [UKOMFKEF] (3%) - Gregor, Maroš [UKOMFKEF] (3%) - Plecenik, Andrej [UKOMFKEF] (2%) - Kúš, Peter [UKOMFKEF] (2%): Thermal stability and structural evolution of quaternary Ti-Ta-B-N coatings

Lit. 46 zázň., 8 obr., 2 tab.

In: Surface & Coatings Technology. - Vol. 259, Part C (2014), s. 698-706

*Indikátor časopisu:*

IF (JCR) 2014=1,998

ADC26 Monfort, Olivier [UKOPRCAG] (40%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%) - Plesch, Gustáv [UKOPRCAG] (10%): Reduction of V<sub>2</sub>O<sub>5</sub> thin films deposited by aqueous sol-gel method to VO<sub>2</sub>(B) and investigation of its photocatalytic activity

Lit. 30 zázň., 7 obr., 2 tab.

In: Applied Surface Science. - Vol. 322 (2014), s. 21-27

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2014=2,711

*Kvartil Q:*

wos-jcr -- Q2 [chemistry, physical] ; Q1 [materials science, coatings and films] ; Q1 [physics, applied] ; Q2 [physics, condensed matter] -- 2014

*Ohlasy (3):*

[o1] 2015 Guo, C.X. - Sun, K. - Ouyang, J. - Lu, X.: Layered V<sub>2</sub>O<sub>5</sub>/PEDOT nanowires and ultrathin nanobelts fabricated with a silk reelinglike process. In: Chemistry of Materials, Vol. 27, No. 16, 2015, s. 5813-5819 - SCI ; SCOPUS

[o1] 2015 Lan, S. D. - Chang, C. J. - Huang, C. F. - Chen, J. K.: Heteroepitaxial TiO<sub>2</sub>@W-doped VO<sub>2</sub> core/shell nanocrystal films: preparation, characterization, and application as bifunctional window coatings. In: RSC Advances, Vol. 5, No. 90, 2015, s. 73742-73751 - SCI ; SCOPUS

[o1] 2016 Yu, W. - Li, S. - Huang, Ch.: Phase evolution and crystal growth of VO<sub>2</sub> nanostructures under hydrothermal reactions. In: RSC Advances, Vol. 6, No. 9, 2016, s. 7113-7120 - SCI

ADC27 Roch, Tomáš [UKOMFKEF] (20%) - Ďurina, Pavol [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Structural properties of Pt/TiO<sub>2</sub>/Pt heterostructure grown on sapphire substrate - Influence of annealing processes

Lit. 30 zázň., 4 obr., 1 tab.

In: Applied Surface Science. - Vol. 312 (2014), s. 192-198

[SSSI 2013 : Solid State Surfaces and Interfaces : Conference. 8th, Smolenice, 25.-28.11.2013]

*Indikátor časopisu:*

IF (JCR) 2014=2,711

ADC28 Sobota, Róbert [UKOMFKEFd] (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Gregor, Maroš [UKOMFKEF] (15%) - Truchlý, Martin [UKOMFKEFs] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Vidiš, Marek (3%) - Sečianska, Katarína [UKOMFKEFd] (3%) - Kurth,Fritz (5%) - Holzapfel, Bernard (5%) - Iida, Kazumasa (5%) - Kúš, Peter [UKOMFKEF] (7%) - Plecenik, Andrej [UKOMFKEF] (7%): Surface properties of Co-doped BaFe2As2 thin films deposited on MgO with Fe buffer layer and CaF2 substrates  
Lit. 24 zázň.

In: Applied Surface Science. - Vol. 312 (2014), s. 182-187

[SSSI 2013 : Solid State Surfaces and Interfaces : Conference. 8th, Smolenice, 25.-28.11.2013]

ADC29 Žemlička, Martin [UKOMFKEFd] (30%) - Neilinger, Pavol [UKOMFKEF] (25%) - Trgala, Marián [UKOMFKEFd] (10%) - Gregor, Maroš [UKOMFKEF] (5%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Ďurina, Pavol [UKOMFKEF] (5%) - Grajcar, Miroslav [UKOMFKEF] (20%): Superconducting properties of magnesium diboride thin film measured by using coplanar waveguide resonator  
Lit. 12 zázň.

In: Applied Surface Science. - Vol. 312 (2014), s. 231-234

[SSSI 2013 : Solid State Surfaces and Interfaces : Conference. 8th, Smolenice, 25.-28.11.2013]

*Indikátor časopisu:*

IF (JCR) [2013-2,538]

ADC30 Gregor, Maroš [UKOMFKEF] (30%) - Plecenik, Tomáš [UKOMFKEF] (20%) - Tofail, Syed Ansar M. (5%) - Zahoran, Miroslav [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Vargová, M. (5%) - Laffir, Fathima R. (5%) - Plesch, Gustáv [UKOPRCAG] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Hydrophobicity of electron beam modified surface of hydroxyapatite films  
Lit. 21 zázň., 3 obr., 2 tab.

In: Applied Surface Science. - Vol. 337 (2015), s. 249-253

*Registrované v:* wos, scopus

*Indikátor časopisu:*

IF (JCR) 2015= [2014-2,711]

*Kvartil Q:*

wos-jcr -- Q2 [chemistry, physical] ; Q1 [materials science, coatings and films] ; Q1 [physics, applied] ; Q2 [physics, condensed matter] -- 2014

ADC31 Kuzmík, Ján (30%) - Haščík, Štefan (5%) - Kučera, Michal (5%) - Kúdela, Róbert (4%) - Dobročka, Edmund (5%) - Adikimenakis, Adam (22%) - Mičušík, Matej (11%) - Gregor, Maroš [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (2%) - Georgakilas, A. (11%): Elimination of surface band bending on N-polar InN with thin GaN capping  
Lit. 26 zázň., 6 obr.

In: Applied Physics Letters. - Vol. 107, No. 19 (2015), Art. No. 191605, s. 1-4

*Registrované v:* wos, scopus

ADC32 Plecenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (15%) - Haidry, Azhar Ali (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Grančič, Branislav [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Mošková, Antónia (5%) - Mikula, Marián [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Fast highly-sensitive room-temperature semiconductor gas sensor based on the nanoscale Pt-TiO2-Pt sandwich  
Lit. 32 zázň., 7 obr.

In: Sensors and Actuators B-Chemical. - Vol. 207, Part A (2015), s. 351-361

*Ohlasy (3):*

- [o1] 2015 Hara, K.: Semiconductor gas sensors and catalytic combustion type gas sensors. In: IEEJ Transactions on Sensors and Micromachines, Vol. 135, No. 8, 2015, s. 270-275 - SCOPUS
- [o1] 2015 Lv, P. - Fu, W. - Mu, Y. - Sun, H. - Liu, T. - Wang, J. - Niu, J. - Li, X. - Liu, L. - Yang, H.: Performance improvement by using ammonia water-synthesized TiO<sub>2</sub> nanotubes with nanowire porous film mixed nanostructures. In: Journal of Materials Chemistry A, Vol. 3, No. 31, 2015, s. 16089-16096 - SCI ; SCOPUS
- [o1] 2015 Madhi, I. - Bouzid, B. - Saadoun, M. - Bessais, B.: Synthesis and characterization of ITO-ZnO nanocomposite and its application as NO<sub>2</sub> gas sensor. In: Ceramics International, Vol. 41, No. 5, 2015, s. 6552-6559 - SCI ; SCOPUS

ADC33 Tofail, Syed Ansar M. (30%) - Gandhi, Abbasi A. (30%) - Gregor, Maroš [UKOMFKEF] (30%) - Bauer, Joanna (10%): Electrical properties of hydroxyapatite  
Lit. 31 zázň., 3 obr.

In: Pure and Applied Chemistry. - Vol. 87, No. 3 (2015), s. 221-229

*Ohlasy (1):*

[o1] 2015 Dorozhkin, S. V.: Calcium orthophosphate bioceramics. In: Ceramics International, Vol. 41, No. 10, Part. B, 2015, s. 13913-13966 - SCI

#### **ADD Vedecké práce v domácich karentovaných časopisoch**

ADD01 Plecenik, Andrej [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Štefečka, Miloslav - Jacko, Vladimír - Gašparík, Vladimír [UKOMFKEF]: Micro- and nanostructures for cryoelectronics  
Lit. 4 zázň., 4 obr.

In: Acta Physica Slovaca. - Vol. 55, No. 4 (2005), s. 367-371

*Indikátor časopisu:*

IF (JCR) 2005=0,359

#### **ADF Vedecké práce v ostatných domácich časopisoch**

ADF01 Gregor, Maroš [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Nanotechnológia v metrológii  
Lit. 14 zázň., 11 obr.

In: Metrológia a skúšobníctvo. - Roč. 8, č. 1 (2003), s. 3-9

#### **ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS**

ADM01 Lang, Sidney B. (10%) - Tofail, Syed Ansar M. (10%) - Kholkin, A. L. (10%) - Wojtaš, M. (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Gandhi, Abbasi A. (10%) - Wang, Y. (10%) - Bauer, S. (10%) - Krause, M. (10%) - Plecenik, Andrej [UKOMFKEF] (10%): Ferroelectric polarization in nanocrystalline hydroxyapatite thin films on silicon  
Lit. 31 zázň.

In: Scientific Reports [elektronický zdroj]. - Vol. 3 (2013), Art. No. 2215, s. 1-6 [online]

*Registrované v:* wos

*Ohlasy (16):*

[o1] 2014 Horiuchi, N. - Nakaguki, S. - Wada, N. - Nozaki, K. - Nakamura, M. - Nagai, A. - Katayama, K. - Yamashita, K.: Polarization-induced surface charges in hydroxyapatite ceramics. In: Journal of Applied Physics, Vol. 116, No. 1, 2014, Art. No. 014902 - SCI

[o1] 2014 Sekhon, J. S. - Aggarwal, L. - Sheet, G.: Voltage induced local hysteretic phase switching in silicon. In: Applied Physics Letters, Vol. 104, No. 16, 2014, Art. No. 162908 - SCI

[o1] 2014 Zhang, Y. - Liu, Y. - Ye, H. Y. - Fu, D. W. - Gao, W. - Ma, H. - Liu, Z. - Liu, Y. - Zhang, W. - Li, J. - Yuan, G. L. - Xiong, R. G.: A molecular ferroelectric thin film of imidazolium perchlorate that shows superior electromechanical coupling. In: Angewandte Chemie - International Edition, Vol. 53, No. 20, 2014, s. 5064-5068 - SCI ; SCOPUS

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- AEF01 Plecenik, Andrej [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Zahoran, Miroslav [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Tomášek, Milan (10%) - Štefunková, Dana [UKOMFKEF] (10%) - Kubinec, Milan [UKOMFKEF] (10%) - Šrámek, Jozef [UKOMFKEF] (10%): Investigation of MgB<sub>2</sub> superconducting thin films on plastic foil for future applications  
Lit. 5 záz. n.  
In: Annual Report of Association CU 2007. - Bratislava : Library and Publishing Centre, 2008. - S. 45-47. - ISBN 978-80-89186-39-6  
POZNÁMKA:  
Vyšlo aj - Annual Report of Association CU 2007 [elektronický zdroj]. - Bratislava : Library and Publishing Centre, 2008. - S. 45-47 [CD-ROM]. - ISBN 879-80-89186-40-2

#### **AFA Publikované pozvané príspevky na zahraničných vedeckých konferenciách**

- AFA01 Plecenik, Andrej [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF] - Štefečka, Miloslav - Zeleňák, Andrej:  
Nanostructures for cryoelectronics  
Lit. 4 záz. n., 3 obr.

In: 15th Symposium on Atomic and Surface Physics and Related Topics. - Innsbruck : Leopold-Franz-Universität, 2006. - S. 51-53. - ISBN 3-901249-82-6

[SASP 2006 : Symposium on Atomic and Surface Physics and Related Topics. 15th, Obergurgl, 4.-9.2.2006]

AFA02 Plecenik, Andrej [UKOMFKEF] (10%) - Haidry, Azhar Ali (8%) - Plecenik, Tomáš [UKOMFKEF] (8%) - Ďurina, Pavol [UKOMFKEF] (8%) - Truchlý, Martin [UKOMFKEFs] (8%) - Moško, Martin [UKOEXFM] (8%) - Grančič, Branislav [UKOMFKEF] (8%) - Gregor, Maroš [UKOMFKEF] (7%) - Roch, Tomáš [UKOMFKEF] (7%) - Satrapinsky, Leonid [UKOMFKEF] (7%) - Mošková, Antónia (7%) - Mikula, Marián [UKOMFKEF] (7%) - Kúš, Peter [UKOMFKEF] (7%): Metal oxide gas sensors on the nanoscale  
Lit. 20 záz., 7 obr., 1 tab.

In: Defense and Security 2014: IR Sensors and Systems; Laser Sensors and System; And Next Generation Sensors and Systems [elektronický zdroj]. - Bellingham : SPIE, 2014. - Art. No. 90830Y [9 s.] [CD-ROM]. - ISBN 978-1-6284-1062-4

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AFC01 Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Mičunek, Radovan - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Csuba, Adrian - Zahoran, Miroslav [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: Superhard TiB<sub>2</sub>coatings prepared by DC magnetron sputtering  
Prednesené na 2 konferenciách

Lit. 2 záz., 6 obr.

In: 15th Symposium on Atomic and Surface Physics and Related Topics. - Innsbruck : Leopold-Franz-Universität, 2006. - S. 183-186. - ISBN 3-901249-82-6

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POZNÁMKA:

Vyšlo aj - Vrstvy a povlaky 2006. - Trenčín : Digital Graphic, 2006. - S. 63-64. - ISBN 80-969310-2-4

AFC02 Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Štefečka, Miloslav - Gašparík, Vladimír [UKOMFKEF] - Mičunek, Radovan - Plecenik, Andrej [UKOMFKEF] - Leporis, Marek [UKOEXFM] - Zeleňák, Andrej - Kostič, Ivan: Vytváranie submikro- anano-metrových štruktúr pomocou AFM nanolitografie  
Lit. 3 záz.

In: Moderní trendy ve fyzice plazmatu a pevných látek II. - Brno : Masarykova univerzita, 2006. - S. 28-30. - ISBN 80-210-4195-1

[Moderní trendy ve fyzice plazmatu a pevných látek 2006 : seminář. 2., Hustopeče, 19.10.2006]

AFC03 Mičunek, Radovan - Plecenik, Tomáš [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF] - Štefečka, Miloslav - Tomášek, Milan - Zahoran, Miroslav [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Vplyv žihacieho procesu na povrchovú drsnosť tenkých vrstiev MgB<sub>2</sub>  
Lit. 4 záz.

In: Moderní trendy ve fyzice plazmatu a pevných látek II. - Brno : Masarykova univerzita, 2006. - S. 84-87. - ISBN 80-210-4195-1

[Moderní trendy ve fyzice plazmatu a pevných látek 2006 : seminář. 2., Hustopeče, 19.10.2006]

AFC04 Mičunek, Radovan - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Zahoran, Miroslav [UKOMFKEF] - Tomášek, Milan - Plecenik, Tomáš [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Jacko, Vladimír - Greguš, Ján [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Maheľ, Michal [UKOMFKEF]: Superconducting MgB<sub>2</sub> thin films prepared by magnetron sputtering  
Lit. 6 záz., 6 obr.

In: 15th Symposium on Atomic and Surface Physics and Related Topics. - Innsbruck : Leopold-Franz-Universität, 2006. - S. 176-179. - ISBN 3-901249-82-6

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- AFC05 Tomášek, Milan - Mičunek, Radovan - Plecenik, Tomáš [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Tunelové spoje na báze strednotepelných supravodivých tenkých vrstiev  
In: Moderní trendy ve fyzice plazmatu a pevných látek II. - Brno : Masarykova univerzita, 2006. - S. 124-126. - ISBN 80-210-4195-1  
[Moderní trendy ve fyzice plazmatu a pevných látek 2006 : seminář. 2., Hustopeče, 19.10.2006]
- AFC06 Zelenák, Andrej - Leporis, Marek [UKOEXFM] - Štefečka, Miloslav - Gašparík, Vladimír [UKOMFKEF] - Gregor, Maroš [UKOMFKEF]: Implementácia viacnásobne nabitých iónov sodíka do kremikového terča  
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In: Moderní trendy ve fyzice plazmatu a pevných látek II. - Brno : Masarykova univerzita, 2006. - S. 24-27. - ISBN 80-210-4195-1  
[Moderní trendy ve fyzice plazmatu a pevných látek 2006 : seminář. 2., Hustopeče, 19.10.2006]
- AFC07 Haidry, Azhar Ali [UKOMFKEFd] (15%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Tomášek, Milan (10%) - Gregor, Maroš [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Studies of hydrogen gas sensing properties of anatase TiO<sub>2</sub> thin films prepared by magnetron sputtering  
Lit. 7 záz.  
In: IMCS 2012 : The 14th International Meeting on Chemical Sensors. - Wunstorf : AMA Service GmbH, 2012. - S. 1271-1274. - ISBN 978-3-9813484-2-2  
[IMCS 2012 : Chemical Sensors : International Meeting. 14th, Nuremberg, 20.-23.5.2012]
- AFC08 Plesch, Gustáv [UKOPRCAG] (9%) - Haidry, Azhar Ali [UKOMFKEFd] (9%) - Gregor, Maroš [UKOMFKEF] (9%) - Ďurina, Pavol [UKOMFKEF] (7%) - Greguš, Ján [UKOMFKEF] (6%) - Truchlý, Martin [UKOMFKEFs] (6%) - Roch, Tomáš [UKOMFKEF] (6%) - Plecenik, Tomáš [UKOMFKEF] (6%) - Zahoran, Miroslav [UKOMFKEF] (6%) - Puškelová, Jarmila [UKOPRCAG] (6%) - Mikula, Marián [UKOMFKEF] (6%) - Grančič, Branislav [UKOMFKEF] (6%) - Satrapinskyy, Leonid [UKOMFKEF] (6%) - Kúš, Peter [UKOMFKEF] (6%) - Plecenik, Andrej [UKOMFKEF] (6%): Structure of hydrogen gas sensing TiO<sub>2</sub> thin films prepared by sol - gel method and their comparison with magnetron sputtered films  
Lit. 10 záz., 2 obr.  
In: Materials and Applications for Sensors and Transducers 2. - Dürnten : Trans Tech Publications, 2013. - S. 293-296. - ISBN 978-3-03785-616-1  
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*Registrované v: scopus*
- AFC09 Ďurina, Pavol [UKOMFKEF] (15%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Moško, Martin [UKOEXFM] (10%) - Haidry, Azhar Ali (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Mikula, Marián [UKOMFKEF] (5%) - Grančič, Branislav [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Properties of metal oxide gas sensors with electrodes placed below the sensing layer  
Rozšírená práca  
Lit. 7 záz., 3 obr.  
In: Materials and Applications for Sensors and Transducers 3. - Dürnten : Trans Tech Publications, 2014. - S. 527-530. - ISBN 978-3-03835-051-4  
[IC-MAST 2013 : International Conference on Materials and Applications for Sensors and Transducers. 3rd, Prague, 13.-17.9.2013]  
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POZNÁMKA:  
Vyšlo aj - IC-MAST 2013 - Abstract Book. - [S.l.] : [s.n.], 2013. - Art. No. P1P53

AFC10 Monfort, Olivier [UKOPRCAG] (40%) - Roch, Tomáš [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%) - Plesch, Gustáv [UKOPRCAG] (10%): Formation of vanadium dioxide thin films prepared from aqueous sol-gel system  
Rozšírená práca  
Lit. 9 zázň., 4 obr.  
In: Materials and Applications for Sensors and Transducers 3. - Dürnten : Trans Tech Publications, 2014. - S. 79-82. - ISBN 978-3-03835-051-4  
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POZNÁMKA:  
Vyšlo aj - IC-MAST 2013 - Abstract Book. - [S.l.] : [s.n.], 2013. - Art. No. P1P35

AFC11 Roch, Tomáš [UKOMFKEF] (20%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Haidry, Azhar Ali (10%) - Gregor, Maroš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Structure and epitaxial behavior of rutile TiO<sub>2</sub> thin films prepared by DC magnetron sputtering and ex-situ annealing  
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Lit. 4 zázň., 3 obr.  
In: Materials and Applications for Sensors and Transducers 3. - Dürnten : Trans Tech Publications, 2014. - S. 487-490. - ISBN 978-3-03835-051-4  
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POZNÁMKA:  
Vyšlo aj - IC-MAST 2013 - Abstract Book. - [S.l.] : [s.n.], 2013. - Art. No. P3P42

AFC12 Krško, Ondrej [UKOMFKEFd] (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (5%) - Haidry, Azhar Ali (5%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Grančič, Branislav [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Mošková, Antónia (5%) - Mikula, Marián [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Highly sensitive hydrogen semiconductor gassensor operating at room temperature  
Lit. 6 zázň., 4 obr.  
In: Procedia Engineering. - Vol. 120 (2015), s. 618-622  
[Eurosensors 2015 : European Conference. 29th, Freiberg, 6.-9.9.2015]  
*Registrované v:* scopus

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AFD01 Gašparík, Vladimír [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: Tenkovrstvové filtre mikrometrových rozmerov pre fyziku a biológiu = Microne size of track membranes for physics and biology  
Lit. 7 zázň.  
In: Vrstvy a povlaky 2003. - Trenčín : Digital Graphic, 2003. - S. 50-54. - ISBN 80-968337-1-5  
[Vrstvy a povlaky 2003 : konferencia. 2., Trenčín, 22.-23.5.2003]

AFD02 Grančič, Branislav [UKOMFKEF] - Satrapinskyy, Leonid [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Dobročka, Edmund - Gašparík, Vladimír [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: TiB<sub>2</sub> coatings prepared by DC magnetron sputtering  
Lit. 8 zázň.

- In: Vrstvy a povlaky 2003. - Trenčín : Digital Graphic, 2003. - S. 63-66. - ISBN 80-968337-1-5  
[Vrstvy a povlaky 2003 : konferencia. 2., Trenčín, 22.-23.5.2003]
- AFD03 Gregor, Maroš [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Jacko, Vladimír - Satrapinsky, Leonid [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Analýza vlastností tenkých vrstiev = Analysis of thin film properties  
Lit. 5 záz. n.  
In: Vrstvy a povlaky 2003. - Trenčín : Digital Graphic, 2003. - S. 229-233. - ISBN 80-968337-1-5  
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- AFD04 Satrapinsky, Leonid [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Jacko, Vladimír - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Boron-based thin films  
Lit. 8 záz. n.  
In: Vrstvy a povlaky 2003. - Trenčín : Digital Graphic, 2003. - S. 55-57. - ISBN 80-968337-1-5  
[Vrstvy a povlaky 2003 : konferencia. 2., Trenčín, 22.-23.5.2003]
- AFD05 Satrapinsky, Leonid [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Jacko, Vladimír - Gregor, Maroš [UKOMFKEF] - Halabica, Andrej - Hain, Milan - Xu, Ying - Sobolewski, Roman: Study of MgB<sub>2</sub> superconducting thin films properties by tunneling spectroscopy  
Lit. 21 záz. n.  
In: Solid State Phenomena. - Vol. 90-91 (2003), s. 583-588  
[SSC 2002 : Solid State Chemistry : International Conference. 5th, Bratislava, 7.-12.7.2002]
- AFD06 Plecenik, Andrej [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Štefečka, Miloslav - Jacko, Vladimír - Gašparík, Vladimír [UKOMFKEF]: Titanium thin film nanostructures for cryoelectronic applications  
Lit. 2 záz. n., 3 obr.  
In: 15th Symposium on Applications of Plasma Processes and 3rd EU-Japan Joint Symposium on Plasma Processing. - Bratislava : Comenius University Press, 2005. - S. 101-102. - ISBN 80-223-2018-8  
[SAPP 2005 : Symposium on Applications of Plasma Processes. 15th, Podbanské, 15.-20.1.2005]  
[EU-Japan JSPP 2005 : EU-Japan Joint Symposium on Plasma Processing. 3rd, Podbanské, 15.-20.1.2005]
- AFD07 Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Mičunek, Radovan - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Buršíková, Vilma - Csuba, Adrian - Plecenik, Tomáš [UKOMFKEF] - Tomášek, Milan - Zahoran, Miroslav [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: Supertvrde vrstvy na báze TiB<sub>2</sub> pripravené DC magnetronovým naprašovaním  
In: Moderné trendy vo fyzike plazmy a tuhých látok [elektronický zdroj]. - Bratislava : [FMFI UK], 2006. - S. 196-200 [CD-ROM]. - ISBN 80-89186-09-2  
[Moderné trendy vo fyzike plazmy a tuhých látok. Bratislava, 27.10.2005]
- AFD08 Gregor, Maroš [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF] - Leporis, Marek [UKOEXFM] - Štefečka, Miloslav - Zeleňák, Andrej - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Jacko, Vladimír: Príprava tenkých vrstiev DC magnetronovým naprašovaním  
Lit. 9 záz. n.  
In: Moderné trendy vo fyzike plazmy a tuhých látok [elektronický zdroj]. - Bratislava : [FMFI UK], 2006. - S. 201-202 [CD-ROM]. - ISBN 80-89186-09-2  
[Moderné trendy vo fyzike plazmy a tuhých látok. Bratislava, 27.10.2005]
- AFD09 Mičunek, Radovan - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Zahoran, Miroslav [UKOMFKEF] - Tomášek, Milan - Plecenik, Tomáš [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Jacko, Vladimír - Greguš, Ján [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Maheľ, Michal [UKOMFKEF]: Príprava supravodivých tenkých vrstiev na



báze MgB<sub>2</sub> metódami naprašovania z dvoch magnetrónov

Lit. 5 záz.

In: Moderné trendy vo fyzike plazmy a tuhých látok [elektronický zdroj]. - Bratislava : [FMFI UK], 2006. - S. 184-189 [CD-ROM]. - ISBN 80-89186-09-2

[Moderné trendy vo fyzike plazmy a tuhých látok. Bratislava, 27.10.2005]

AFD10 Gregor, Maroš [UKOMFKEF] (20 %) - Plecenik, Tomáš [UKOMFKEF] (20 %) - Praščák, Mikuláš [UKOMFKEFd] (15 %) - Mičunek, Radovan (5 %) - Kubinec, Milan [UKOMFKEF] (5 %) - Gašparík, Vladimír [UKOMFKEF] (5 %) - Grajcar, Miroslav [UKOMFKEF] (10 %) - Štefečka, Miloslav (5 %) - Leporis, Marek [UKOEXFM] (5 %) - Kúš, Peter [UKOMFKEF] (5 %) - Plecenik, Andrej [UKOMFKEF] (5 %): Supravodivý kvantový interferometer pripravený pomocou AFM nanolitografie

Lit. 12 záz.

In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a edičné centrum FMFI UK, 2007. - S. 35-38. - ISBN 978-80-89186-24-2

[New Trends in Plasma Physics and Solid State Physics 2007 : Seminar. 3rd, Bratislava, 4.10.2007]

AFD11 Mičunek, Radovan (50 %) - Gregor, Maroš [UKOMFKEF] (30 %) - Zahoran, Miroslav [UKOMFKEF] (5 %) - Kubinec, Milan [UKOMFKEF] (5 %) - Štefečka, Miloslav (5 %) - Kúš, Peter [UKOMFKEF] (2 %) - Plecenik, Andrej [UKOMFKEF] (3 %): Optimalizácia prípravy MgB<sub>2</sub> supravodivých tenkých vrstiev

Lit. 4 záz.

In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a edičné centrum FMFI UK, 2007. - S. 93-95. - ISBN 978-80-89186-24-2

[New Trends in Plasma Physics and Solid State Physics 2007 : Seminar. 3rd, Bratislava, 4.10.2007]

AFD12 Praščák, Mikuláš [UKOMFKEFd] - Kundracik, František [UKOMFKEF] - Grajcar, Miroslav [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Mičunek, Radovan - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: High sensitivity apparatus for cryogenic RF-measurements of superconducting microstructures

Lit. 5 záz., 5 obr.

In: 13th International Conference on Applied Physics of Condensed Matter : Proceedings. - Žilina : University of Žilina, 2007. - S. 259-262. - ISBN 978-80-8070-709-5

[APCOM 2007 : Applied Physics of Condensed Matter : International Conference. 13th, Liptovský Ján-Bystrá, 27.-29.6.2007]

AFD13 Plecenik, Tomáš [UKOMFKEF] (30%) - Tomášek, Milan (10%) - Belogolovskii, Mikhail A. - Noskovič, Jaroslav [UKOMFKEFd] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Kubinec, Milan [UKOMFKEF] (5%) - Španková, M. - Chromik, Štefan - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Resistance switching effect on YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub>/Ag planar junctions

Lit. 4 záz., 3 obr.

In: 17th Conference of Slovak Physicists Proceedings [elektronický zdroj]. - Bratislava : Slovak Physical Society, 2009. - S. 121-122 [CD-ROM]. - ISBN 978-80-969124-7-6

[Konferencia slovenských fyzikov 2009. 17., Bratislava, 16.-19.9.2009]

AFD14 Truchlý, Martin [UKOMFKEFs] (30%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Sečianska, Katarína [UKOMFKEFd] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Vargová, Melinda [UKOPRCAG] (5%) - Plesch, Gustáv [UKOPRCAG] (5%) - Tofail, Syed Ansar M. (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (10%): Investigation of surface potential modifications of hydroxyapatite thin films by Kelvin Probe Force Microscopy

Recenzované

Lit. 7 záz.

In: 17th Conference of Czech and Slovak Physicists: Proceedings. - Košice : Slovak Physical Society, 2012. - S. 141-142. - ISBN 978-80-970625-4-5

[Conference of Czech and Slovak Physicists 2011. 17th, Žilina, 5.-8.9.2011]

AFD15 Neilinger, Pavol [UKOMFKEF] (15%) - Rehák, Matúš [UKOMFKEFd] (15%) - Gregor, Maroš [UKOMFKEF] (15%) - Žemlička, Martin [UKOMFKEFd] (15%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Trgala, Marián [UKOMFKEFd] (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Grajcar, Miroslav [UKOMFKEF] (10%): Periodic response of superconducting high quality MgB2 resonator to magnetic field  
Lit. 13 zázň.  
In: 19th International Conference on Applied Physics of Condensed Matter. - Bratislava : FEI STU, 2013. - S. 107-110. - ISBN 978-80-227-3956-6  
[APCOM 2013 : Applied Physics of Condensed Matter : International Conference. 19th, Štrbské Pleso, 19.-21.6.2013]

AFD16 Truchlý, Martin [UKOMFKEFs] (20%) - Plecenik, Tomáš [UKOMFKEF] (20%) - Gregor, Maroš [UKOMFKEF] (15%) - Satrapinskyy, Leonid [UKOMFKEF] (15%) - Dujavová-Laurenčíková, Agáta (5%) - Chromik, Štefan (5%) - Iida, Kazumasa (5%) - Kurth, Fritz (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Surface conductivity properties of high-Tc superconductors  
Lit. 9 zázň., 4 obr.  
In: 19th International Conference on Applied Physics of Condensed Matter. - Bratislava : FEI STU, 2013. - S. 153-156. - ISBN 978-80-227-3956-6  
[APCOM 2013 : Applied Physics of Condensed Matter : International Conference. 19th, Štrbské Pleso, 19.-21.6.2013]

#### **AFE Abstrakty pozvaných príspevkov zo zahraničných konferencií**

AFE01 Lang, Sidney B. - Tofail, Syed Ansar M. - Gandhi, Abbasi A. - Gregor, Maroš [UKOMFKEF] (20%) - Wolf-Brandstetter, Cornelia - Clyens, Stuart: Hydroxyapatite - a new pyroelectric material  
Popis urobený 4.4.2010  
Lit. 1 zázň.  
In: AMF-AMEC-2010: Program and Abstracts [elektronický zdroj]. - Jeju : Korean Physics Society, 2010. - S. 293 [online]  
[AMF 2010 : Asian Meeting on Ferroelectricity. 7th, Jeju, 28.6.-1.7.2010]  
[AMEC 2010 : Asian Meeting on Electroceramics. 7th, Jeju, 28.6.-1.7.2010]  
URL: [http://www.amf-amec-2010.org/s\\_source/download.php?table=es\\_program&filename=AMF0035.dochttp//www.amf-amec-2010.org](http://www.amf-amec-2010.org/s_source/download.php?table=es_program&filename=AMF0035.dochttp//www.amf-amec-2010.org)

#### **AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií**

AFG01 Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Satrapinskyy, Leonid [UKOMFKEF] - Xu, Ying - Sobolewski, Roman - Gregor, Maroš [UKOMFKEF] - Lalinský, Tibor: Preparation of MgB2 thin films on various substrates  
In: Boromag Abstracts. - Genova : LAMIA-INFM, 2002. - S. 21  
[Superconductivity in Magnesium Diboride and Related Materials : International Workshop. Genova, 17.-19.6.2002]

AFG02 Gregor, Maroš [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Zelenák, Andrej - Štefečka, Miloslav - Plecenik, Tomáš [UKOMFKEF] - Gašparik, Vladimír [UKOMFKEF]: Utilization of ion beam treatment in nanotechnology  
Lit. 2 zázň.  
In: Ion implantation and other applications of ions and electrons. - Lublin : Wydawnictwo UMCS, 2004. - S. P-Tu-19. - ISBN 83-227-2273-7  
[ION 2004 : International Conference. 5th, Kazimierz Dolny, 14.-17.6.2004]

AFG03 Gregor, Maroš [UKOMFKEF] (50%) - Jamal, M. - Zhang, Y. - Gandhi, Abbasi A. - Redington, W. - Tofail, Syed Ansar M.: Stress relief patterns in bone-like apatite films prepared by a sol-gel technique  
Popis urobený 31.3.2011  
Lit. 3 zázň.  
In: Bioinspired and Biointegrated Materials as New Frontiers Nanomaterials [elektronický zdroj]. - Strasbourg

: European Materials Research Society, 2009. - Art. No. MX XIII 9, S. 4-5 [online]  
[E-MRS Spring Meeting 2009 : Symposium M. Strasbourg, 8.-12.6.2009]  
URL: <http://www.emrs-strasbourg.com/files/USB%2009/m.pdf>[http://www.emrs-strasbourg.com/index.php?option=com\\_content&task=view&Itemid=105&id=263](http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&Itemid=105&id=263)

AFG04 Wolf-Brandstetter, Cornelia - Gregor, Maroš [UKOMFKEF] (30%) - Tofail, Syed Ansar M. - Clyens, Stuart - Theilgaard, N - Lang, Sidney B. - Schwarneweber, D.: Cell adhesion to charged hydroxyapatite surfaces  
Popis urobený 4.4.2010  
Lit. 1 záz., 1 obr.  
In: ECB 2010 [elektronický zdroj]. - [S.n.] : [s.l.], 2010. - nestr., [1 s.][online]  
[ECB 2010 : European Conference on Biomaterials. 23rd, Tampere, 11.-15.9.2010]  
*Registrované v:* URL zdrojového dokumentu

AFG05 Truchlý, Martin [UKOMFKEFs] (20%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Sečianska, Katarína [UKOMFKEFd] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Vargová, Melinda (5%) - Mikula, Marián [UKOMFKEF] (5%) - Grančič, Branislav [UKOMFKEF] (5%) - Plesch, Gustáv [UKOPRCAG] (5%) - Tofail, Syed Ansar M. (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (15%): Surface potential modification of hydroxyapatite thin films by focused electron beam  
Lit. 4 záz.  
In: Vrstvy a povlaky 2011. - Trenčín : Miloš Vavřík - Kníhviazačstvo, 2011. - S. 211-212. - ISBN 978-80-970824-0-6  
[Vrstvy a povlaky 2011 : konferencie. 10., Rožnov pod Radhoštěm, 17.-18.10.2011]

AFG06 Gregor, Maroš [UKOMFKEF] (100%) : Hydrophobicity of micro-domain arrays of surface potential created by electron beam on hydroxyapatite films  
In: SURFINT - SREN III : Progress in Applied Surface, Interface and Thin Film Science 2012. - Bratislava : Comenius University, 2012. - S. 109. - ISBN 978-80-223-3212-5  
[SURFINT - SREN 2012 : Progress in Applied Surface, Interface and Thin Film Science : Conference. 3rd, Florence, 14.-18.5.2012]

AFG07 Plesch, Gustáv [UKOPRCAG] (12%) - Michal, Róbert [UKOPRCAG] (12%) - Dworniczek, Ewa (13%) - Čaplovičová, Mária [UKOPRGLG] (12%) - Gregor, Maroš [UKOMFKEF] (13%) - Čaplovič, Lubomír (13%) - Seniuk, Alicja (12%) - Kúš, Peter [UKOMFKEF] (13%): Structure, Photocatalytic and Photodisinfectant Activity of Sulfated and Eu Doped Anatase Against Clinically Important Microorganisms  
In: 4th International Conference on Semiconductor Photochemistry (SP4). - Prague : Institute of Chemical Technology, 2013. - S. 85. - ISBN 978-80-7080-854-2  
[SP 2013 : Semiconductor Photochemistry : International Conference. 4th, Prague, 23.-27.6.2013]

AFG08 Gregor, Maroš [UKOMFKEF] (25%) - Sobota, Róbert [UKOMFKEFd] (25%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%): Effect of MgO surface layer on superconductivity of MgB<sub>2</sub> thin films  
In: SURFINT - SREN IV : Progress in Applied Surface, Interface and Thin Film Science 2015 : Extended Abstract Book. - Bratislava : Comenius University, 2015. - S. 57. - ISBN 978-80-223-3975-9  
[SURFINT - SREN 2015 : Progress in Applied Surface, Interface and Thin Film Science : Conference. 4th, Florence, 23.-26.11.2015]

AFG09 Plecenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (15%) - Haidry, Azhar Ali (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (5%) - Krško, Ondrej [UKOMFKEFd] (5%) - Grančič, Branislav [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Mošková, Antónia (5%) - Mikula, Marián [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Highly sensitive Pt/TiO<sub>2</sub>/Pt sandwich type hydrogen gas sensor operating at room temperature  
Lit. 1 záz., 1 obr.

In: SURFINT - SREN IV : Progress in Applied Surface, Interface and Thin Film Science 2015 : Extended Abstract Book. - Bratislava : Comenius University, 2015. - S. 116-117. - ISBN 978-80-223-3975-9 [SURFINT - SREN 2015 : Progress in Applied Surface, Interface and Thin Film Science : Conference. 4th, Florence, 23.-26.11.2015]

AFG10 Roch, Tomáš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Krško, Ondrej [UKOMFKEFd] (10%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Structural characterization of metal oxide based gas sensor heterostructures  
Lit. 4 záz. n.  
In: Materials Structure. - Vol. 22, No. 3 (2015), s. 177  
[Struktúra 2015. Luhačovice, 22.-25.6.2015]

### **AFH Abstrakty príspevkov z domácich vedeckých konferencií**

AFH01 Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF]: Thin films nanostructures for cryoelectronics, sensorics and metrology  
2 obr.  
In: Nanotechnológie vo výskume a v praxi. - Bratislava : Kultúrny inštitút Maďarskej republiky, 2004. - S. 31-32  
[Nanotechnológie vo výskume a v praxi : konferencia. Bratislava, 3.2004]

AFH02 Kúš, Peter [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Hrubá, Ľudmila - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Csuba, Adrian - Dobročka, Edmund - Jacko, Vladimír - Plecenik, Andrej [UKOMFKEF]: TiB<sub>2</sub> and TiN  
In: Solid State Surfaces and Interfaces IV. - Bratislava : Institute of Physics SAS, 2004. - S. 55  
[SSSI 2004 : Solid State Surfaces and Interfaces : Conference. 4th, Smolenice, 8.-11.11.2004]

AFH03 Gregor, Maroš [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Tomášek, Milan - Kúš, Peter [UKOMFKEF] - Mičunek, Radovan - Štefečka, Miloslav - Zahoran, Miroslav [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF]: Titanium and MgB<sub>2</sub> thin film nanostructures for cryoelectronic application  
In: WWS '05 : Satellite workshop to EUCAS '05. - [Bratislava] : [SAV], 2005. - S. 54  
[WWS 2005 : Workshop on Weak Superconductivity : Satellite Workshop to EUCAS '05. Bratislava, 16.-19.9.2005]

AFH04 Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Mičunek, Radovan - Kostič, Ivan - Andok, R. - Kubinec, Milan [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF] - Štefečka, Miloslav - Tomášek, Milan - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Nanostructure devices based on the superconducting MgB<sub>2</sub> thin film  
In: 5th Solid State Surfaces and Interfaces. - Bratislava : Institute of Physics SAS, 2006. - S. 38  
[SSSI 2006 : Solid State Surfaces and Interfaces : Conference. 5th, Smolenice, 19.-24.11.2006]

AFH05 Kozlovská, Božena [UKOPRCAG] - Schlosser, Peter [UKOEXFM] - Plecenik, Tomáš [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Čaplovičová, Mária [UKOPRGLG] - Jesenák, Karol [UKOPRCAG] - Kuchta, Ľubomír [UKOPRCAG] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Plesch, Gustáv [UKOPRCAG]: The influence of preparation conditions on the properties of titanium dioxide thin films for sensors prepared by sol-gel technique  
In: 5th Solid State Surfaces and Interfaces. - Bratislava : Institute of Physics SAS, 2006. - S. 59  
[SSSI 2006 : Solid State Surfaces and Interfaces : Conference. 5th, Smolenice, 19.-24.11.2006]

AFH06 Leporis, Marek [UKOEXFM] - Zeleňák, Andrej - Štefečka, Miloslav - Gregor, Maroš [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF]: Test implantations of Na ion beam to Si target  
Lit. 1 záz. n.

- In: 5th Solid State Surfaces and Interfaces. - Bratislava : Institute of Physics SAS, 2006. - S. 62  
[SSSI 2006 : Solid State Surfaces and Interfaces : Conference. 5th, Smolenice, 19.-24.11.2006]
- AFH07 Mičunek, Radovan - Plecenik, Tomáš [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Gašparík, Vladimír [UKOMFKEF] - Štefečka, Miloslav - Tomášek, Milan - Zahoran, Miroslav [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Influence of annealing processes on superconducting MgB2 thin film surface quality  
In: 5th Solid State Surfaces and Interfaces. - Bratislava : Institute of Physics SAS, 2006. - S. 67  
[SSSI 2006 : Solid State Surfaces and Interfaces : Conference. 5th, Smolenice, 19.-24.11.2006]
- AFH08 Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Mičunek, Radovan - Roch, Tomáš [UKOMFKEF] - Štefečka, Miloslav - Kubinec, Milan [UKOMFKEF] - Zahoran, Miroslav [UKOMFKEF] - Leporis, Marek [UKOEXFM] - Gašparík, Vladimír [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Weak links on the superconducting MgB2 thin films  
In: 13th Czech and Slovak Conference on Magnetism CSMAG '07. - Košice : P. J. Šafárik University, 2007. - S. 204  
[CSMAG 2007 : Czech and Slovak Conference on Magnetism. 13th, Košice, 9.-12.7.2007]
- AFH09 Mičunek, Radovan - Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Roch, Tomáš [UKOMFKEF] - Štefečka, Miloslav - Kubinec, Milan [UKOMFKEF] - Zahoran, Miroslav [UKOMFKEF] - Leporis, Marek [UKOEXFM] - Gašparík, Vladimír [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Surface quality of MgB2 thin films-influence of two different annealing processes  
In: 13th Czech and Slovak Conference on Magnetism CSMAG '07. - Košice : P. J. Šafárik University, 2007. - S. 158  
[CSMAG 2007 : Czech and Slovak Conference on Magnetism. 13th, Košice, 9.-12.7.2007]
- AFH10 Plecenik, Tomáš [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Praščák, Mikuláš [UKOMFKEFd] - Mičunek, Radovan - Grajcar, Miroslav [UKOMFKEF] - Kubinec, Milan [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: rf-SQUID structures prepared by AFM nanolithography  
In: 13th Czech and Slovak Conference on Magnetism CSMAG '07. - Košice : P. J. Šafárik University, 2007. - S. 208  
[CSMAG 2007 : Czech and Slovak Conference on Magnetism. 13th, Košice, 9.-12.7.2007]
- AFH11 Praščák, Mikuláš [UKOMFKEFd] - Gregor, Maroš [UKOMFKEF] - Plecenik, Tomáš [UKOMFKEF] - Mičunek, Radovan - Kubinec, Milan [UKOMFKEF] - Zahoran, Miroslav [UKOMFKEF] - Grajcar, Miroslav [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF]: Properties of the SQUID devices based on the niobium and MgB2 thin films  
In: 13th Czech and Slovak Conference on Magnetism CSMAG '07. - Košice : P. J. Šafárik University, 2007. - S. 203  
[CSMAG 2007 : Czech and Slovak Conference on Magnetism. 13th, Košice, 9.-12.7.2007]
- AFH12 Gregor, Maroš [UKOMFKEF] (30%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Sobota, Róbert [UKOMFKEFd] (10%) - Brndiarová, Jana (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinsky, Leonid [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%): Influence of MgO surface layer on superconducting properties of MgB2 thin films  
1 obr.  
In: Proceedings of 8th Solid State Surfaces and Interfaces. - Bratislava : Comenius University, 2013. - S. 49-50. - ISBN 978-80-223-3501-0  
[SSSI 2013 : Solid State Surfaces and Interfaces : Conference. 8th, Smolenice, 25.-28.11.2013]
- AFH13 Plecenik, Tomáš [UKOMFKEF] (20%) - Sobota, Róbert [UKOMFKEFd] (15%) - Gregor, Maroš [UKOMFKEF] (15%) - Truchlý, Martin [UKOMFKEFs] (10%) - Satrapinsky, Leonid [UKOMFKEF] (10%) - Kurth, Fritz (3%) - Holzapfel, Bernard (3%) - Iida, Kazumasa (4%) - Kúš, Peter [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%): Surface transport properties and degradation of Fe-based superconductors

3 obr.

In: Proceedings of 8th Solid State Surfaces and Interfaces. - Bratislava : Comenius University, 2013. - S. 144-145. - ISBN 978-80-223-3501-0

[SSSI 2013 : Solid State Surfaces and Interfaces : Conference. 8th, Smolenice, 25.-28.11.2013]

AFH14 Roch, Tomáš [UKOMFKEF] (20%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Satrapinsky, Leonid [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Influence of ex-situ annealing on structure, texture and morphology of TiO<sub>2</sub> thin films with Pt interlayer grown on sapphire substrates

1 obr.

In: Proceedings of 8th Solid State Surfaces and Interfaces. - Bratislava : Comenius University, 2013. - S. 155. - ISBN 978-80-223-3501-0

[SSSI 2013 : Solid State Surfaces and Interfaces : Conference. 8th, Smolenice, 25.-28.11.2013]

AFH15 Plecenik, Tomáš [UKOMFKEF] (10%) - Moško, Martin [UKOEXFM] (10%) - Haidry, Azhar Ali (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Krško, Ondrej [UKOMFKEFd] (10%) - Grančič, Branislav [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinsky, Leonid [UKOMFKEF] (5%) - Mošková, Antónia (5%) - Mikula, Marián [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Senzory plynov na báze oxidov kovov - od mikro do nano rozmerov

In: Zborník abstraktov 21. konferencia slovenských fyzikov. - Košice : Slovenská fyzikálna spoločnosť, 2015. - S. 7-8. - ISBN 978-80-970625-0-7

[Konferencia slovenských fyzikov 2015. 21., Nitra, 7.-10.9.2015]

#### **AFK Postery zo zahraničných konferencií**

AFK01 Gregor, Maroš [UKOMFKEF] (40%) - Tofail, Syed Ansar M. (6,8%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Zahoran, Miroslav [UKOMFKEF] (10%) - Gandhi, Abbasi A. (6,6%) - Laffir, F. (6,6%) - Vargová, Melinda (5%) - Plesch, Gustáv [UKOPRCAG] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Surface energy modification of nanocrystalline Hydroxyapatite film by electron beam irradiation

Popis urobený 21.11.2011

Lit. 4 zázn.

In: ECB 2011 [elektronický zdroj]. - [S.l.] : [s.n.], 2011. - nestr., [1 s.] [online]

[ECB 2011 : European Conference on Biomaterials. 24th, Dublin, 4.-8.9.2011]

AFK02 Lang, Sidney B. (10%) - Tofail, Syed Ansar M. (10%) - Gandhi, Abbasi A. (10%) - Gregor, Maroš [UKOMFKEF] (30%) - Wolf-Brandstetter, Cornelia (10%) - Kost, J. (10%) - Bauer, S. (10%) - Krause, M. (10%): Hydroxyapatite thin films on silicon: Biomaterials with pyroelectric, piezoelectric and photoeffect properties

Popis urobený 21.11.2011

Lit. 3 zázn.

In: ECB 2011 [elektronický zdroj]. - [S.l.] : [s.n.], 2011. - nestr., [1 s.] [online]

[ECB 2011 : European Conference on Biomaterials. 24th, Dublin, 4.-8.9.2011]

AFK03 Grančič, Branislav [UKOMFKEF] (25%) - Mikula, Marián [UKOMFKEF] (25%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinsky, Leonid [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Čička, R. (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Nanostructured Ti-B-Cr-Si-N coatings with improved oxidation resistance at elevated temperatures prepared using magnetron sputtering

In: JVC 14 : Programme and Book of Abstracts : 14th Joint Vacuum Conference. - Zagreb : Croatian Vacuum Society, 2012. - S. 132-133. - ISBN 978-953-98154-1-5

[JVC 2012 : Joint Vacuum Conference. 14th, Dubrovnik, 4.-8.6.2012]

AFK04 Mikula, Marián [UKOMFKEF] (25%) - Grančič, Branislav [UKOMFKEF] (25%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Čička, R. (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Nanostructured CrAlN and CrSiN coatings for environmental protection of gamma-TiAl based alloys at elevated temperatures  
In: JVC 14 : Programme and Book of Abstracts : 14th Joint Vacuum Conference. - Zagreb : Croatian Vacuum Society, 2012. - S. 131. - ISBN 978-953-98154-1-5  
[JVC 2012 : Joint Vacuum Conference. 14th, Dubrovnik, 4.-8.6.2012]

AFK05 Pleva, Marek [UKOMFKEFd] (20%) - Ďurina, Pavol [UKOMFKEF] (10%) - Haidry, Azhar Ali [UKOMFKEFd] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Influence of NiOx - doping on gas sensing and structural properties of titanium dioxidethin films  
In: JVC 14 : Programme and Book of Abstracts : 14th Joint Vacuum Conference. - Zagreb : Croatian Vacuum Society, 2012. - S. 132. - ISBN 978-953-98154-1-5  
[JVC 2012 : Joint Vacuum Conference. 14th, Dubrovnik, 4.-8.6.2012]

#### **AGJ Autorské osvedčenia, patenty, objavy**

AGJ01 Plecenik, Tomáš [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (9%) - Gregor, Maroš [UKOMFKEF] (9%) - Roch, Tomáš [UKOMFKEF] (9%) - Satrapinskyy, Leonid [UKOMFKEF] (9%) - Mikula, Marián [UKOMFKEF] (9%) - Kúš, Peter [UKOMFKEF] (9%) - Plecenik, Andrej [UKOMFKEF] (9%) - Truchlý, Martin [UKOMFKEFs] (9%) - Ďurina, Pavol [UKOMFKEF] (9%) - Haidry, Azhar Ali (9%): Spôsob detekcie plynov a polovodičový detektor plynov pracujúci pri izbovej teplote : zverejnená prihláška úžitkového vzoru. - [1. vyd.]. -Banská Bystrica : Úrad priemyselného vlastníctva SR, 2015. - 4 + 2 s. 4 obr.

#### **BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných)**

BEE01 Ďurina, Pavol [UKOMFKEF] (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (10%) - Haidry, Azhar Ali [UKOMFKEFd] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Mikula, Marián [UKOMFKEF] (6%) - Grančič, Branislav [UKOMFKEF] (6%) - Roch, Tomáš [UKOMFKEF] (6%) - Gregor, Maroš [UKOMFKEF] (6%) - Satrapinskyy, Leonid [UKOMFKEF] (6%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Properties of metal oxide gas sensors with electrodes placed below and on top of the sensing layer  
Lit. 4 záz., 2 obr.  
In: Vrstvy a povlaky. - Plzeň : Západočeská univerzita, 2013. - S. 19-21. - ISBN 978-80-970824-2-0  
[Vrstvy a povlaky 2013 : konference. 12., Rožnov pod Radhoštěm, 30.9.-1.10.2013]

BEE02 Mikula, Marián [UKOMFKEF] (30%) - Grančič, Branislav [UKOMFKEF] (25%) - Drienovský, Marián (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Hájovská, Z. (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Čička, R. (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Thermal stability and high-temperature oxidation resistance of Si-Cr-N coatings with high content of silicon  
Lit. 15 záz., 10 obr.  
In: Vrstvy a povlaky. - Plzeň : Západočeská univerzita, 2013. - S. 101-107. - ISBN 978-80-970824-2-0  
[Vrstvy a povlaky 2013 : konference. 12., Rožnov pod Radhoštěm, 30.9.-1.10.2013]

BEE03 Roch, Tomáš [UKOMFKEF] (15%) - Ďurina, Pavol [UKOMFKEF] (15%) - Truchlý, Martin [UKOMFKEFs] (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Grančič, Branislav [UKOMFKEF] (6%) - Mikula, Marián [UKOMFKEF] (6%) - Haidry, Azhar Ali [UKOMFKEFd] (6%) - Gregor, Maroš [UKOMFKEF] (6%) - Satrapinskyy, Leonid [UKOMFKEF] (6%) - Kúš, Peter [UKOMFKEF] (5%) -

Plečenik, Andrej [UKOMFKEF] (5%): Structure and gas sensing properties of rutile TiO<sub>2</sub> thin films  
Lit. 3 záz., 3 obr.  
In: Vrstvy a povlaky. - Plzeň : Západočeská univerzita, 2013. - S. 119-121. - ISBN 978-80-970824-2-0  
[Vrstvy a povlaky 2013 : konference. 12., Rožnov pod Radhoštěm, 30.9.-1.10.2013]

### **BEF Odborné práce v domácich zborníkoch (konferenčných aj nekonferenčných)**

BEF01 Plečenik, Tomáš [UKOMFKEF] (20%) - Gregor, Maroš [UKOMFKEF] (20%) - Praščák, Mikuláš [UKOMFKEFd] (15%) - Mičunek, Radovan (10%) - Grajcar, Miroslav [UKOMFKEF] (10%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Gašparík, Vladimír [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plečenik, Andrej [UKOMFKEF] (5%): Supravodivé MgB<sub>2</sub> slabé spoje a supravodivé kvantové interferometre pripravené AFM nanolitografiou  
Lit. 1 záz.

In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a edičné centrum FMFI UK, 2007. - S. 110-111. - ISBN 978-80-89186-24-2  
[New Trends in Plasma Physics and Solid State Physics 2007 : Seminar. 3rd, Bratislava, 4.10.2007]

BEF02 Truchlý, Martin [UKOMFKEFs] (15%) - Plečenik, Tomáš [UKOMFKEF] (15%) - Gregor, Maroš [UKOMFKEF] (15%) - Satrapinskyy, Leonid [UKOMFKEF] (15%) - Sečianska, Katarína [UKOMFKEFd] (15%) - Plečenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Fritz, Kurth (5%) - Iida, Kazumasa (5%) - Holzapfel, Bernard (5%): Study of Co-doped Ba-122 pnictide thin film surface properties  
Lit. 4 záz.

In: 19th Conference of Slovak Physicists Proceedings. - Košice : Slovak Physical Society, 2013. - S. 89-90. - ISBN 978-80-970625-8-3  
[Konferencia slovenských fyzikov 2012. 19., Prešov, 3.-6.9.2012]

BEF03 Mikula, Marián [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (20%) - Plašienka, Dušan, ml. [UKOMFKEF] (20%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Švec, P. (5%) - Vlčková, Dominika (5%) - Dvoranová, Mária [UKOMFKEFd] (5%) - Grančič, Branislav [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Plečenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Effect of Ta alloying on structural evolution of Ti-B-N coatings  
Lit. 15 záz.

In: Vrstvy a povlaky. - Trenčín : Kníhviazačstvo, 2014. - S. 133-138. - ISBN 978-80-970824-3-7  
[Vrstvy a povlaky 2014 : konference. 13., Rožnov pod Radhoštěm, 20.-21.10.2014]

BEF04 Plečenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (10%) - Haidry, Azhar Ali (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Mošková, Antónia (5%) - Mikula, Marián [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plečenik, Andrej [UKOMFKEF] (5%): Metal oxide semiconductor gas sensors based on nanoscale sandwich structures  
Lit. 6 záz.

In: Vrstvy a povlaky. - Trenčín : Kníhviazačstvo, 2014. - S. 147-149. - ISBN 978-80-970824-3-7  
[Vrstvy a povlaky 2014 : konference. 13., Rožnov pod Radhoštěm, 20.-21.10.2014]

BEF05 Pleva, Marek [UKOMFKEFd] (25%) - Grančič, Branislav [UKOMFKEF] (20%) - Mikula, Marián [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Ďurina, Pavol [UKOMFKEF] (5%) - Girman, Vladimír (5%) - Plečenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Mechanické vlastnosti a teplotná stabilita tenkých vrstiev na báze Ti-B-Si-N  
Lit. 5 záz., 8 obr.

In: Vrstvy a povlaky 2015. - Trenčianska Teplá : M-PRESS, 2015. - S. 139-143. - ISBN 978-80-972133-0-5  
[Vrstvy a povlaky 2015 : konference. 14., Rožnov pod Radhoštěm, 19.-20.10.2015]

BEF06 Pleva, Marek [UKOMFKEFd] (30%) - Grančič, Branislav [UKOMFKEF] (15%) - Mikula, Marián



[UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinsky, Leonid [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Ďurina, Pavol [UKOMFKEF] (5%) - Girman, Vladimír (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Ti-B-Si-N coatings with enhanced thermal stability prepared by magnetron sputtering = Ti-B-Si-N povlaky so zvýšenou teplotnou stabilitou pripravené pomocou magnetrónového naprašovania  
Popis urobený 22.1.2016

Lit. 5 záz., 6 obr.

In: Book of Extended Abstracts Joint Annual Meeting of the Slovak Silicate Scientific-Technological Society and Joint Annual Meeting [elektronický zdroj]. - Košice : Institute of Materials Research, Slovak Academy of Sciences, 2015. - S. 36-40 [online]. -ISBN 78-80-89782-03-1

[Slovak Silicate Scientific-Technological Society 2015 : Joint Annual Meeting. Košická Belá, 25.-27.11.2015]

[Processing and Properties of Advanced Ceramics 2015 : Workshop. Košická Belá, 25.-27.11.2015]

URL: <http://www.sss.sav.sk/files/silikatnik15.pdf>

### **BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie, ...)**

BFA01 Gregor, Maroš [UKOMFKEF] (20%) - Brndiarová, Jana (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Sobota, Róbert [UKOMFKEFd] (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinsky, Leonid [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%): Influence of annealing atmosphere on structural and superconducting properties of MgB<sub>2</sub> thin films

In: 11th European Conference on Applied Superconductivity. - Genova : SPIN, 2013. - S. 912

[EUCAS 1995 : European Conference on Applied Superconductivity. 11th, Genova, 15.-19.9.2013]

BFA02 Plecenik, Tomáš [UKOMFKEF] (20%) - Sobota, Róbert [UKOMFKEFd] (15%) - Truchlý, Martin [UKOMFKEFs] (10%) - Gregor, Maroš [UKOMFKEF] (15%) - Satrapinsky, Leonid [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Kurth, Fritz (5%) - Iida, Kazumasa (5%) - Ďurina, Pavol [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Surface degradation of Fe-based superconductors and its influence on superconducting transport properties

In: 11th European Conference on Applied Superconductivity. - Genova : SPIN, 2013. - S. 317

[EUCAS 1995 : European Conference on Applied Superconductivity. 11th, Genova, 15.-19.9.2013]

BFA03 Satrapinsky, Leonid [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFKEFs] (10%) - Dechtár, Igor (5%) - Sobota, Róbert [UKOMFKEFd] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Iida, Kazumasa (5%) - Kurth, Fritz (5%) - Roch, Tomáš [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (10%): Preparation of NS and NIS step edge junctions on co-doped Ba-122 superconductors by focused ion beam

In: 11th European Conference on Applied Superconductivity. - Genova : SPIN, 2013. - S. 178

[EUCAS 1995 : European Conference on Applied Superconductivity. 11th, Genova, 15.-19.9.2013]

BFA04 Pleva, Marek [UKOMFKEFd] (30%) - Grančič, Branislav [UKOMFKEF] (20%) - Truchlý, Martin [UKOMFKEFs] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Mikula, Marián [UKOMFKEF] (10%) - Satrapinsky, Leonid [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Ďurina, Pavol [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Influence of Si content on mechanical properties and thermal stability of Ti-B-Si-N coatings prepared by magnetron sputtering

In: EUROMAT 2015 [elektronický zdroj]. - Warsaw : University of Technology, 2015. - nestr. [1 s.] [USB kľúč]

[EUROMAT 2015 : European Congress and Exhibition on Advanced Materials and Processes. Warsaw, 20.-24.9.2015]

### **DAI Dizertačné a habilitačné práce**

DAI01 Gregor, Maroš [UKOMFKEF] (100%) - Plecenik, Andrej [UKOMFKEF]: Sofistikované litografické metódy prípravy nanoštruktúr využiteľných v metrologii. - Bratislava : [s.n.], 2007. - 94 s.  
Doktorandská dizertačná práca (PhD.) - Slovenský metrologický ústav, Bratislava, 2007  
Lit. 50 záz.

#### **EDJ Prehľadové práce, odborné práce, preklady noriem; odborné preklady v časopisoch, zborníkoch**

EDJ01 Plecenik, Andrej [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Kúš, Peter [UKOMFKEF] - Mičunek, Radovan - Plecenik, Tomáš [UKOMFKEF] - Zahoran, Miroslav [UKOMFKEF] - Schlosser, Peter [UKOEXFM] - Tomášek, Milan - Gašparík, Vladimír [UKOMFKEF]: Tenké vrstvy a tenkovrstvové nanoštruktúry pre kryoelektroniku a senzoriku  
Lit. 2 záz., 2 obr.  
In: Československý časopis pro fyziku. - Sv. 55, č. 6 (2005), s. 505

EDJ02 Gašparík, Vladimír [UKOMFKEF] - Gregor, Maroš [UKOMFKEF] - Leporis, Marek [UKOEXFM] - Štefečka, Miloslav - Zeleňák, Andrej: Aktivita oddelenia nanotechnológií BIONT  
In: Moderné trendy vo fyzike plazmy a tuhých látok [elektronický zdroj]. - Bratislava : [FMFI UK], 2006. - S. 158-167. - ISBN 80-89186-09-2  
[Moderné trendy vo fyzike plazmy a tuhých látok. Bratislava, 27.10.2005]

#### **Štatistika kategórií (Záznamov spolu: 116):**

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách (1)  
ADC Vedecké práce v zahraničných karentovaných časopisoch (33)  
ADD Vedecké práce v domácich karentovaných časopisoch (1)  
ADF Vedecké práce v ostatných domácich časopisoch (1)  
ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)  
AEF Vedecké práce v domácich nerecenzovaných vedeckých zborníkoch, monografiách (1)  
AFA Publikované pozvané príspevky na zahraničných vedeckých konferenciách (2)  
AFC Publikované príspevky na zahraničných vedeckých konferenciách (12)  
AFD Publikované príspevky na domácich vedeckých konferenciách (16)  
AFE Abstrakty pozvaných príspevkov zo zahraničných konferencií (1)  
AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií (10)  
AFH Abstrakty príspevkov z domácich vedeckých konferencií (15)  
AFK Postery zo zahraničných konferencií (5)  
AGJ Autorské osvedčenia, patenty, objavy (1)  
BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných) (3)  
BEF Odborné práce v domácich zborníkoch (konferenčných aj nekonferenčných) (6)  
BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie, ...) (4)  
DAI Dizertačné a habilitačné práce (1)  
EDJ Prehľadové práce, odborné práce, preklady noriem; odborné preklady v časopisoch, zborníkoch (2)

#### **Štatistika ohlasov (86):**

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (85)  
[o2] Citácie v domácich publikáciách registrované v citačných indexoch (1)

21. 3. 2016