

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

Zoznam publikačnej činnosti

Ing. Marián Mikula, PhD.

ADC Vedecké práce v zahraničných karentovaných časopisoch

- ADC01 Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Hrubá, Ludmila - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Csuba, Adrian - Dobročka, Edmund - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: The influence of deposition parameters on TiB₂ 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]
Indikátor časopisu:
IF (JCR) 2005=0,909
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 (8):
[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
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[o1] 2012 Silva, F. J. G. - Casais, R. C. B. - Martinho, R. P. - Baptista, A. P. M.: Mechanical and tribological characterization of TiB₂ thin films. In: Journal of Nanoscience and Nanotechnology, Vol. 12, No. 12, 2012, s. 9187-9194 - SCI ;SCOPUS
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[o1] 2015 Zhou, G. - Fang, D. - Yin, F. - Xia, M. - Zhuang, G. - Ding, H.: Synthesis and characterization of bionic Ti/TiB₂ multilayer. In: Zhenkong Kexue Yu Jishu Xuebao/Journal of Vacuum Science and Technology, Vol. 35, No. 7, 2015, s.819-824 - SCOPUS
[o1] 2017 Chowdhury, M. S. I. - Chowdhury, S. - Yamamoto, K. - Beake, B. D. - Bose, B. - Elfizy, A. - Cavelli, D. - Dosbaeva, G. - Aramesh, M. - Fox-Rabinovich, G. S. - Veldhuis, S. C.: Wear behaviour of coated carbide tools during machining of Ti6Al4V aerospace alloy associated with strong built up edge formation. In: Surface & Coatings Technology, Vol. 313, 2017, s. 319-327 - SCI ; SCOPUS
- ADC02 Mikula, Marián [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Buršiková, Vilma - Csuba, Adrian - Držák, Milan [UKOMFKEF] - Kavecký, Štefan - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: Mechanical properties of superhard TiB₂ coatings prepared by DC magnetron sputtering
Lit. 7 záz. n., 4 obr.
In: Vacuum. - Vol. 82, No. 2 (2007), s. 278-281

[JVC 2006 : Joint Vacuum Conference. 11th, Prague, 24.-28.9.2006]

Indikátor časopisu:

IF (JCR) 2007=0,881

POZNÁMKA:

Vyšlo aj ako abstrakt - JVC 11 : Joint Vacuum Conference. - Praha : Czech Vacuum Society, 2006. - S. 70
Ohlasy (29):

[o1] 2009 Hoornaert, T. - Hua, Z. K. - Zhang, J. H.): Hard Wear-Resistant Coatings: A Review. In: Advanced Tribology. Beijing : Tsinghua University Press, 2009, S. 774-779 - CPCI-S

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ADC03 Haidry, Azhar Ali [UKOMFKEFd] (15%) - Schlosser, Peter [UKOEXFM] (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Tomášek, Milan (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Pidík, Andrej [UKOMFKEFd] (5%) - Štefečka, Miloslav (5%) - Noskovič, Jaroslav [UKOMFKEFd] (5%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Kůš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Hydrogen gas sensors based on nanocrystalline TiO₂ thin films

Lit. 19 zázn.

In: Central European Journal of Physics. - Vol. 9, No. 5 (2011), s. 1351-1356

Indikátor časopisu:

IF (JCR) 2011=0,909

Ohlasy (25):

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- [o1] 2017 Dwivedi, P. - Das, S. - Dhanekar, S.: Polymer functionalized nanostructured porous silicon for selective water vapor sensing at room temperature. In: Superlattices and Microstructures, Vol. 104, 2017, s. 547-552 - SCI ; SCOPUS
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- [o1] 2017 Panta, R. - Ruangpornvisuti, V.: Adsorption of hydrogen molecule on noble metal doped on oxygen-vacancy defect of anatase $\text{TiO}_2(101)$ surface: Periodic DFT study. In: International Journal of Hydrogen Energy, Vol. 42, No. 30, 2017, s.19106-19113 - SCOPUS

ADC04 Lofaj, František (16%) - Mikula, Marián [UKOMFKEF] (14%) - Grančič, Branislav [UKOMFKEF] (14 %) - Cepura, Gregorz (14%) - Hornák, Peter (14%) - Kúš, Peter [UKOMFKEF] (14%) - Kottfer, Daniel (14%): Tribological properties of TiB_x and WC/C coatings

Lit. 19 záz., 7 obr.

In: Ceramics-Silikaty. - Vol. 55, No. 4 (2011), s. 305-311

Registrované v: vos

Registrované v: scopus

Indikátor časopisu:

IF (JCR) 2011=0,382

SJR (SCOPUS) 2011=0,283

SNIP (SCOPUS) 2011=0,623

Ohlasy (1):

- [o1] 2015 Umanskyi, O. - Poliarus, O. - Ukrainets, M. - Antonov, M.: Physical-chemical interaction in NiAl-MeB₂ systems intended for tribological applications. In: Welding Journal, Vol. 94, No. 7, 2015, s. 225-230 - SCI ; SCOPUS

ADC05 Mikula, Marián [UKOMFKEF] (20%) - Grančič, Branislav [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (8%) - Plecenik, Tomáš [UKOMFKEF] (8%) - Vávra, Ivo (4%) - Dobročka, Edmund (4%) - Šatka, Alexander (4%) - Buršíková, Vilma (4%) - Držák, Milan [UKOMFKEF] (4%) - Zahoran, Miroslav [UKOMFKEF] (8%) - Plecenik, Andrej [UKOMFKEF] (8 %) - Kúš, Peter [UKOMFKEF] (8 %): The influence of low-energy ion bombardment on the microstructure development and mechanical properties of TiB_x coatings

Lit. 12 záz.

In: Vacuum. - Vol. 85, No. 9 (2011), s. 866-870

Indikátor časopisu:

IF (JCR) 2011=1,317

Ohlasy (5):

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- [o1] 2014 Zhang, T. F. - Gan, B. - Park, S. M. - Wang, Q. M. - Kim, K. H.: Influence of negative bias voltage and deposition temperature on microstructure and properties of superhard TiB_2 coatings deposited by high power impulse magnetron sputtering. In: Surface & Coatings Technology, Vol. 253, 2014, s. 115-122 - SCI ; SCOPUS
- [o1] 2016 Nedfors, N. - Mockute, A. - Palisaitis, J. - Persson, P. O. A. - Naslund, L. A. - Rosen, J.: Influence of pulse frequency and bias on microstructure and mechanical properties of TiB_2 coatings deposited by high

- power impulse magnetron sputtering. In: Surface & Coatings Technology, Vol. 304, 2016, s. 203-210 - SCI ; SCOPUS
- [o1] 2017 Ge, F. - Chen, C. - Shu, R. - Meng, F. - Li, P. - Huang, F.: Hard and wear resistant VB₂ coatings deposited by pulsed DC magnetron sputtering. In: Vacuum, Vol. 135, 2017, s. 66-72 - SCI ; SCOPUS
- [o1] 2017 Petrov, I. - Hall, A. - Mei, A. - Nedfors, N. - Zhirkov, I. - Rosen, J. - Reed, A. - Howe, B. - Greczynski, G. - Birch, J. - Hultman, L. - Greene, J.: Controlling the boron-to-titanium ratio in magnetron-sputter-deposited TiB_x thin films. In: Journal of Vacuum Science and Technology A, Vol. 35, No. 5, 2017, Art. No. 050601 - SCOPUS
- ADC06 Roch, Tomáš [UKOMFKEF] (25%) - Dobročka, Edmund (20%) - Mikula, Marián [UKOMFKEF] (15%) - Pidík, Andrej [UKOMFKEFd] (5%) - Ďurina, Pavol [UKOMFKEF] (5%) - Haidry, Azhar Ali [UKOMFKEFd] (5%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Truchlý, Martin [UKOMFDEs] (5%) - Grančič, Branislav [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Strong biaxial texture and polymorph nature in TiO₂ thin film formed by ex-situ annealing on c-plane Al₂O₃ surface
Lit. 36 záz., 7 obr.
In: Journal of Crystal Growth. - Vol. 338, No. 1 (2012), s. 118-124
Indikátor časopisu:
IF (JCR) 2012=1,552
Ohlasy (3):
[o1] 2013 Tarre, A. - Moldre, K. - Niilisk, A. - Maendar, H. - Aarik, J. - Rosental, A.: Atomic layer deposition of epitaxial TiO₂ II on c-sapphire. In: Journal of Vacuum Science & Technology A, Vol. 31, No. 1, 2013, Art. No. 01A118 - SCI ; SCOPUS
[o1] 2015 Moldre, K. - Aarik, L. - Mandar, H. - Niilisk, A. - Rammula, R. - Tarre, A. - Aarik, J.: Atomic layer deposition of rutile and TiO₂-II from TiCl₄ and O-3 on sapphire: Influence of substrate orientation on thin film structure. In: Journal of Crystal Growth, Vol. 428, 2015, s. 86-92 - SCI ; SCOPUS
[o1] 2016 Breeson, A. C. - Sankar, G. - Goh, G. K. L. - Palgrave, R. G.: Rutile to anatase phase transition induced by N doping in highly oriented TiO₂ films. In: Physical Chemistry Chemical Physics, Vol. 18, No. 35, 2016, s. 24722-24728 - SCI; SCOPUS
- ADC07 Truchlý, Martin [UKOMFDEs] (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Krško, Ondrej [UKOMFKEFs] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Satrapinsky, 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 YBa₂Cu₃O_{6+x} degradation and surface conductivity properties by scanning spreading resistance microscopy
Lit. 14 záz.
In: Physica C - Superconductivity and its Applications. - Vol. 483, Dec. (2012), s. 61-66
Indikátor časopisu:
IF (JCR) 2012=0,718
Ohlasy (2):
[o1] 2016 Vilimova, P. - Tokarsky, J. - Peikertova, P. - Mamulova Kutlakova, K. - Placek, T.: Influence of thermal and UV treatment on the polypropylene/graphite composite. In: Polymer Testing, Vol. 52, 2016, s. 46-53 - SCI ; SCOPUS
[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 - SCI ; SCOPUS
- ADC08 Lofaj, František (40%) - Moskalewicz, Tomasz (40%) - Cempura, Grzegorz (5%) - Mikula, Marián [UKOMFKEF] (5%) - Dusza, Ján (5%) - Czryrska-Filemonowicz, Aleksandra (5%): Nanohardness and tribological properties of nc-TiB₂ coatings
Lit. 19 záz., 9 obr., 1 tab.
In: Journal of the European Ceramic Society. - Vol. 33, No. 12 (2013), s. 2347-2353
Registrované v: wos
Registrované v: scopus
Indikátor časopisu:
IF (JCR) 2013=2,307

Ohlasy (9):

- [o1] 2013 Li, H. - Chen, Z. - Li, K. - Shen, Q. - Chu, Y. - Fu, Q.: Wear behavior of SiC nanowire-reinforced SiC coating for C/C composites at elevated temperatures. In: Journal of the European Ceramic Society, Vol. 33, No. 15-16, 2013, s.2961-2969 - SCI ; SCOPUS
- [o1] 2014 Eriksson, A. O. - Tengstrand, O. - Lu, J. - Jensen, J. - Eklund, P. - Rosen, J. - Petrov, I. - Greene, J. E. - Hultman, L.: Si incorporation in Ti_{1-x}Si_xN films grown on TiN(001) and (001)-faceted TiN(111) columns. In: Surface & Coatings Technology, Vol. 257, 2014, s. 121-128 - SCI ; SCOPUS
- [o1] 2014 Chen, H. - Wang, Z. - Wu, Z.: Investigation and characterization of densification, processing and mechanical properties of TiB₂-SiC ceramics. In: Materials & Design, Vol. 64, 2014, s. 9-14 - SCI ; SCOPUS
- [o1] 2014 Wu, S. - Li, H. - Wu, S. - Guo, Q. - Guo, B.: Preparation of titanium carbide-titanium boride coatings on Ti6Al4V by PIRAC. In: Surface Engineering, Vol. 30, No. 9, 2014, s. 693-696 - SCI ; SCOPUS
- [o1] 2015 Andrievski, R. A.: Nanostructured titanium, zirconium and hafnium diborides: the synthesis, properties, size effects and stability. In: Russian Chemical Reviews, Vol. 84, No. 5, 2015, s. 540-554 - SCI ; SCOPUS
- [o1] 2015 Qian, J. C. - Zhou, Z. F. - Zhang, W. J. - Li, K. Y. - Bello, I. - Martinu, L. - Klemberg-Sapieha, J. E.: Microstructure and tribo-mechanical properties of Ti-B-C nanocomposite films prepared by magnetron sputtering. In: Surface & Coatings Technology, Vol. 270, 2015, s. 290-298 - SCI ; SCOPUS
- [o1] 2016 Wu, S. - Wang, Y. - Fei, Y. - Yang, Y. - Guo, Q.: Synthesis of TiC-TiB-TiB₂ composite powders by solid reaction of powders. In: Canadian Metallurgical Quarterly, Vol. 55, No. 2, 2016, s. 173-176 - SCI ; SCOPUS
- [o1] 2017 Petrov, I. - Hall, A. - Mei, A. - Nedfors, N. - Zhirkov, I. - Rosen, J. - Reed, A. - Howe, B. - Greczynski, G. - Birch, J. - Hultman, L. - Greene, J.: Controlling the boron-to-titanium ratio in magnetron-sputter-deposited TiB_x thin films. In: Journal of Vacuum Science and Technology A, Vol. 35, No. 5, 2017, Art. No. 050601 - SCOPUS
- [o1] 2017 Torres, A. - Luis, C. J. - Puertas, I.: EDM machinability and surface roughness analysis of TiB₂ using copper electrodes. In: Journal of Alloys and Compounds, Vol. 690, 2017, s. 337-347 - SCI ; SCOPUS

ADC09 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 zázn.

In: Surface & Coatings Technology. - Vol. 232 (2013), s. 349-356

Indikátor časopisu:

IF (JCR) 2013=2,199

Ohlasy (1):

- [o1] 2016 Pshyk, A. V. - Coy, L. E. - Nowaczyk, G. - Kempinski, M. - Peplinska, B. - Pogrebnyak, A. D. - Beresnev, V. M. - Jurga, S.: High temperature behavior of functional TiAlBSiN nanocomposite coatings. In: Surface & Coatings Technology, Vol. 305, 2016, s. 49-61 - SCI ; SCOPUS

ADC10 Truchlý, Martin [UKOMFDEs] (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 zázn., 4 obr.

In: Applied Surface Science. - Vol. 269 (2013), s. 184-187

Indikátor časopisu:

IF (JCR) 2013=2,538

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

ADC11 Grančič, Branislav [UKOMFKEF] (9%) - Mikula, Marián [UKOMFKEF] (7%) - Roch, Tomáš [UKOMFKEF] (7%) - Zeman, P. (7%) - Satrapinskyy, 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 záz., 13 obr.
In: Surface & Coatings Technology. - Vol. 240 (2014), s. 48-54
Indikátor časopisu:
IF (JCR) 2014=1,998

ADC12 Mikula, Marián [UKOMFKEF] (40%) - Roch, Tomáš [UKOMFKEF] (15%) - Plašienka, Dušan [UKOMFKEF] (15%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Švec, Peter 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 záz., 8 obr., 2 tab.
In: Surface & Coatings Technology. - Vol. 259, Part C (2014), s. 698-706
Indikátor časopisu:
IF (JCR) 2014=1,998
Ohlasy (1):
[o1] 2016 Pshyk, A. V. - Coy, L. E. - Nowaczyk, G. - Kempinski, M. - Peplinska, B. - Pogrebnyak, A. D. - Beresnev, V. M. - Jurga, S.: High temperature behavior of functional TiAlBSiN nanocomposite coatings. In: Surface & Coatings Technology, Vol. 305, 2016, s. 49-61 - SCI ; SCOPUS

ADC13 Roch, Tomáš [UKOMFKEF] (20%) - Ďurina, Pavol [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Structural properties of Pt/TiO₂/Pt heterostructure grown on sapphire substrate - Influence of annealing processes
Lit. 30 záz., 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
Ohlasy (1):
[o1] 2017 Li, Z. - Haidry, A. - Gao, B. - Wang, T. - Yao, Z.: The effect of Co-doping on the humidity sensing properties of ordered mesoporous TiO₂. In: Applied Surface Science, Vol. 412, 2017, s. 638-647 - SCI ; SCOPUS

ADC14 Plecenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (15%) - Haidry, Azhar Ali (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (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 záz., 7 obr.
In: Sensors and Actuators B-Chemical. - Vol. 207, Part A (2015), s. 351-361
Indikátor časopisu:
IF (JCR) 2015=4,758
Ohlasy (15):

- [o1] 2015 Hara, K.: Semiconductor gas sensors and catalytic combustion type gas sensors. In: IEEE 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 TiO₂ 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 NO₂ gas sensor. In: Ceramics International, Vol. 41, No. 5, 2015, s. 6552-6559 - SCI ; SCOPUS
- [o1] 2016 Gurbuz, M. - Gunkaya, G. - Dogan, A.: Electro spray deposition of SnO₂ films from precursor solution. In: Surface Engineering, Vol. 32, No. 10, 2016, s. 725-732 - SCI ; SCOPUS
- [o1] 2016 He, X. - Yang, C. P. - Zhang, G. L. - Shi, D. W. - Huang, Q. A. - Xiao, H. B. - Liu, Y. - Xiong, R.: Supercapacitor of TiO₂ nanofibers by electrospinning and KOH treatment. In: Materials & Design, Vol. 106, 2016, s. 74-80 - SCI ; SCOPUS
- [o1] 2016 Papanicolaou, G. - Kontaxis, L. - Manara, A.: Viscoelastic behaviour and modelling of nano and micro TiO₂ powder-epoxy resin composites. In: Ciencia E Tecnologia Dos Materiais, Vol. 28, No. 2, 2016, s. 138-146 - SCOPUS
- [o1] 2016 Peng, X. - Wang, Z. - Huang, P. - Chen, X. - Fu, X. - Dai, W.: Comparative Study of Two Different TiO₂ Film Sensors on Response to H₂ under UV Light and Room Temperature. In: Sensors, Vol. 16, No. 8, 2016, Art. No. 1249 - SCI
- [o1] 2016 Wang, H. - Yao, Y. - Wu, G. - Sun, Q. - Wang, M. - Chen, X. - Wang, J.: A room temperature oxygen gas sensor based on hierarchical TiO₂. In: 6th IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale. New York : IEEE, 2016, S. 199-202 - CPCI-S ; SCOPUS
- [o1] 2016 Wu, J. - Zhang, C. - Li, Q. - Wu, L. - Jiang, D. - Xia, J.: Application of TiO₂ to amperometric NO_x sensors based on NASICON. In: Solid State Ionics, Vol. 292, 2016, s. 32-37 - SCI ; SCOPUS
- [o1] 2016 Xia, X. - Wu, W. - Wang, Z. - Bao, Y. - Huang, Z. - Gao, Y.: A hydrogen sensor based on orientation aligned TiO₂ thin films with low concentration detecting limit and short response time. In: Sensors and Actuators B-Chemical, Vol.234, 2016, s. 192-200 - SCI ; SCOPUS
- [o1] 2016 Yasuoka, H. - Kaneda, M. - Suga, K.: Wall-Adjacent Velocity Profiles of Nano-scale Gas Flows. In: Journal of Statistical Physics, Vol. 165, No. 5, 2016, s. 907-919 - SCI ; SCOPUS
- [o1] 2016 Zheng, X. - Ming, A. - Ye, L. - Chen, F. - Sun, X. - Liu, W. - Li, C. - Ou, W. - Wang, W. - Chen, D.: Formaldehyde gas sensor based on TiO₂ thin membrane integrated with nano silicon structure. In: Optoelectronics Letters, Vol. 12, No. 4, 2016, s. 308-311 - SCOPUS
- [o1] 2017 Panta, R. - Ruangpornvisuti, V.: Adsorption of hydrogen molecule on noble metal doped on oxygen-vacancy defect of anatase TiO₂(101) surface: Periodic DFT study. In: International Journal of Hydrogen Energy, Vol. 42, No. 30, 2017, s.19106-19113 - SCOPUS
- [o1] 2017 Wang, H. - Yao, Y. - Wu, G. - Sun, Q. - Wang, M. - Chen, X. - Wang, J.: A room temperature oxygen gas sensor based on hierarchical TiO₂. In: IEEE 3M-NANO 2016 - 6th IEEE International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale. New York : IEEE, 2017, S. 199-202 - SCOPUS
- [o1] 2017 Zhang, D. - Liu, J. - Jiang, C. - Li, P. - Sun, Y.: High-performance sulfur dioxide sensing properties of layer-by-layer self-assembled titania-modified graphene hybrid nanocomposite. In: Sensors and Actuators, B: Chemical, Vol. 245, 2017, s. 560-567 - SCI ; SCOPUS

ADC15 Mikula, Marián [UKOMFKEF] (40%) - Plašienka, Dušan [UKOMFKEF] (10%) - Sangiovanni, Davide G. (10%) - Sahul, Martin (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDES] (10%) - Gregor, Maroš [UKOMFKEF] (3%) - Čaplovič, Lubomír (3%) - Plecenik, Andrej [UKOMFKEF] (2%) - Kúš, Peter [UKOMFKEF] (2%): Toughness enhancement in highly NbN-alloyed Ti-Al-N hard coatings

In: Acta Materialia. - Vol. 121 (2016), s. 59-67

Registrované v: wos

Registrované v: scopus

Indikátor časopisu:

IF (JCR) 2014/2015=5,058

SJR (SCOPUS) 2015=3,683

SNIP (SCOPUS) 2015=2,861

Ohlasy (1):

[o1] 2017 Ren, P. - Zhang, K. - He, X. - Du, S. - Yang, X. - An, T. - Wen, M. - Zheng, W.: Toughness enhancement and tribochemistry of the Nb-Ag-N films actuated by solute Ag. In: Acta Materialia, Vol. 137, 2017, s. 1-11 - SCOPUS

ADC16 Mikula, Marián [UKOMFKEF] (30%) - Plašienka, Dušan [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (20%) - Štyráková, Kamila (10%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Drienovský, Marián (5%) - Girman, Vladimír (3%) - Grančič, Branislav [UKOMFKEF] (3%) - Plecenik, Andrej [UKOMFKEF] (2%) - Kúš, Peter [UKOMFKEF] (2%): Structural evolution of TaN-alloyed Cr-Al-Y-N coatings

Lit. 36 zázň., 7 obr.

In: Surface & Coatings Technology. - Vol. 288 (2016), s. 203-210

Registrované v: wos

Registrované v: scopus

Indikátor časopisu:

IF (JCR) 2016=2,589

ADC17 Mikula, Marián [UKOMFKEF] (40%) - Truchlý, Martin [UKOMFDEs] (15%) - Sangiovanni, Davide G. (10%) - Plašienka, Dušan [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Ďurina, Pavol [UKOMFKEF] (5%) - Janík, Marián (5%) - Kúš, Peter [UKOMFKEF] (5%): Experimental and computational studies on toughness enhancement in Ti-Al-Ta-N quaternaries

Lit. 54 zázň., 4 obr.

In: Journal of Vacuum Science & Technology A - Vacuum Surfaces and Films. - Vol. 35, No. 6 (2017), Art. No. 060602, s. 1-6

ADC18 Mikula, Marián [UKOMFKEF] (40%) - Sangiovanni, Davide G. (15%) - Plašienka, Dušan [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Čaplovičová, M. (5%) - Truchlý, Martin [UKOMFDEs] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (4%) - Bystrický, R. (4%) - Tonhauzerová, Diana (4%) - Vlčková, Dominika (4%) - Kúš, Peter [UKOMFKEF] (4%): Thermally induced age hardening in tough Ta-Al-N coatings via spinodal decomposition

Lit. 41 zázň.

In: Journal of Applied Physics. - Vol. 121, No. 15 (2017), Art. No. 155304, s. 1-7

Registrované v: wos

Registrované v: scopus

ADE Vedecké práce v ostatných zahraničných časopisoch

ADE01 Studenyak, Ihor P. (14%) - Kutsyk, Mykhailo M. (14%) - Studenyak, Viktor I. (14%) - Bendak, Andrii V. (14%) - Izai, Vitalii Yu. (14%) - Kúš, Peter [UKOMFKEF] (15%) - Mikula, Marián [UKOMFKEF] (15%): Structural, electrical and optical investigations of Cu₆PS₅ Br-based thin film deposited by HiTUS technique

Lit. 12 zázň., 5 obr., 1 tab.

In: Semiconductor Physics, Quantum Electronics & Optoelectronics. - Vol. 19, No. 3 (2016), s. 307-310

ADE02 Studenyak, Ihor P. (12%) - Bendak, Andrii V. (8%) - Izai, Vitalii Yu. (8%) - Guranich, Pavlo P. (8%) - Kúš, Peter [UKOMFKEF] (8%) - Mikula, Marián [UKOMFKEF] (8%) - Grančič, Branislav [UKOMFKEF] (8%) - Zahoran, Miroslav [UKOMFKEF] (8%) - Greguš, Ján [UKOMFKEF] (8%) - Vincze, A. (8%) - Roch, Tomáš [UKOMFKEF] (8%) - Plecenik, Tomáš [UKOMFKEF] (8%): Electrical and optical parameters of Cu₆PS₅I-based thin films deposited using magnetron sputtering

Lit. 17 zázň., 4 obr., 2 tab.

In: Semiconductor Physics, Quantum Electronics & Optoelectronics. - Vol. 19, No. 1 (2016), s. 79-83

ADE03 Studenyak, Ihor P. (17%) - Bendak, Andrii V. (17%) - Rybak, Stefan O. (16%) - Izai, Vitalii Yu. (16%) - Kúš, Peter [UKOMFKEF] (17%) - Mikula, Marián [UKOMFKEF] (17%): Optical studies of as-deposited and annealed Cu₇GeS₅I thin films

Lit. 15 zázň., 3 obr., 1 tab.

AFA Publikované pozvané príspevky na zahraničných vedeckých konferenciách

AFA01 Plecenik, Andrej [UKOMFKEF] (10%) - Haidry, Azhar Ali (8%) - Plecenik, Tomáš [UKOMFKEF] (8%) - Ďurina, Pavol [UKOMFKEF] (8%) - Truchlý, Martin [UKOMFDEs] (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
[MNSSA 2014 : Micro- and Nanotechnology Sensors, Systems, and Applications. 6th, Baltimore, 5.-9.5.2014]

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Mičunek, Radovan [UKOMFKEFd] - Gregor, Maroš [UKOMFKEF] - Štefečka, Miloslav - Csuba, Adrian - Zahoran, Miroslav [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: SuperhardTiB2 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
[SASP 2006 : Symposium on Atomic and Surface Physics and Related Topics. 15th, Obergurgl, 4.-9.2.2006]
[Vrstvy a povlaky 2006 : konferencie. 5., Rožnov pod Radhoštěm, 10.-11.10.2006]
POZNÁMKA:
Vyšlo aj - Vrstvy a povlaky 2006. - Trenčín : Digital Graphic, 2006. - S. 63-64. - ISBN 80-969310-2-4

AFC02 Haidry, Azhar Ali [UKOMFKEFd] (15%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (10%) - Satrapinsky, 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 TiO₂ thin films prepared by magnetron sputtering
Lit. 7 záz.
In: IMCS 2012 : The 14th International Meeting on Chemical Sensors. - Wunstorf : AMA Service, 2012. - S. 1271-1274. - ISBN 978-3-9813484-2-2
[IMCS 2012 : Chemical Sensors : International Meeting. 14th, Nuremberg, 20.-23.5.2012]

AFC03 Haidry, Azhar Ali [UKOMFKEFd] (15%) - Ďurina, Pavol [UKOMFKEF] (10%) - Tomášek, Milan (10%) - Greguš, Ján [UKOMFKEF] (10%) - Schlosser, Peter [UKOEXFM] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Pidík, Andrej [UKOMFKEFd] (5%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Effect of post-deposition annealing treatment on the structural, optical and gas sensing properties of TiO₂ thin films
Lit. 22 záz.
In: Advanced Materials XII. - Dürnten : Trans Tech Publications, 2012. - S. 467-474. - ISBN 978-3-03785-411-2
[Advanced Materials 2011 : International Symposium. 12th, Islamabad, 26.-30.9.2011]

AFC04 Roch, Tomáš [UKOMFKEF] (50%) - Mikula, Marián [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%): Röntgenové rozptylové metódy pre vyšetovanie tenkých vrstiev a povlakov

= X-ray scattering methods for characterization of thin layers and coatings

Lit. 8 záz. n.

In: Vrstvy a povlaky 2012. - Trenčín : Miloš Vavřík, 2012. - S. 99-104. - ISBN 978-80-970824-1-3

[Vrstvy a povlaky 2012 : konference. 11., Rožnov pod Radhoštěm, 8.-9.10.2012]

AFC05 Černák, Mirko [UKOMFKEFs] (20%) - Kováčik, Dušan [UKOMFKEF] (20%) - Ráhel, Jozef (15%) - Sťahel, Pavel (5%) - Slaviček, Pavel (5%) - Kubincová, Jana [UKOMFKEFd] (15%) - Zahoranová, Anna [UKOMFKEF] (15%) - Mikula, Marián [UKOMFKEF] (5%): Low-cost high-quality plasma cleaning and activation of large size flat surfaces

Lit. 8 záz. n.

In: Advances in print and media technologies : Proceedings zum 11. Bahnlaufseminar 2011. - Berlin : VWF Verlag für Wissenschaft and Forschung, 2013. - S. 43-48. - ISBN 978-3-897000-195-4

[Bahnlaufseminar 2011. 11., Chemnitz, 26.-27.9.2011]

AFC06 Plesch, Gustáv [UKOPRCAG] (9%) - Haidry, Azhar Ali [UKOMFKEFd] (9%) - Gregor, Maroš [UKOMFKEF] (9%) - Ďurina, Pavol [UKOMFKEF] (7%) - Greguš, Ján [UKOMFKEF] (6%) - Truchlý, Martin [UKOMFDEs] (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 TiO₂ thin films prepared by sol - gel method and their comparison with magnetron sputtered films

Lit. 10 záz. n., 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

[IC-MAST 2012 : International Conference on Materials and Applications for Sensors and Transducers. 2nd, Budapest, 24.-28.5.2012]

Registrované v: scopus

AFC07 Ďurina, Pavol [UKOMFKEF] (15%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Moško, Martin [UKOEXFM] (10%) - Haidry, Azhar Ali (10%) - Truchlý, Martin [UKOMFDEs] (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

Rozšířená práca

Lit. 7 záz. n., 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]

Registrované v: scopus

POZNÁMKA:

Vyšlo aj - IC-MAST 2013 - Abstract Book. - [S.l.] : [s.n.], 2013. - Art. No. P1P53

AFC08 Roch, Tomáš [UKOMFKEF] (20%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (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 TiO₂ thin films prepared by DC magnetron sputtering and ex-situ annealing

Rozšířená práca

Lit. 4 záz. n., 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

[IC-MAST 2013 : International Conference on Materials and Applications for Sensors and Transducers. 3rd, Prague, 13.-17.9.2013]

Registrované v: scopus

POZNÁMKA:

Vyšlo aj - IC-MAST 2013 - Abstract Book. - [S.l.] : [s.n.], 2013. - Art. No. P3P42

AFC09 Krško, Ondrej [UKOMFKEFs] (15%) - Plecenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (5%) - Haidry, Azhar Ali (5%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (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 gas sensor operating at room temperature

Lit. 6 záz., 4 obr.

In: Procedia Engineering. - Vol. 120 (2015), s. 618-622

[Eurosensors 2015 : European Conference. 29th, Freiberg, 6.-9.9.2015]

Registrované v: scopus

Indikátor časopisu:

SJR (SCOPUS) 2015=0,238

SNIP (SCOPUS) 2015=0,479

AFC10 Studenyak, Ihor P. (14%) - Rybak, Stefan O. (14%) - Bendak, Andrii V. (14%) - Izai, Vitalii Yu. (14%) - Guranich, Pavlo P. (14%) - Kúš, Peter [UKOMFKEF] (15%) - Mikula, Marián [UKOMFKEF] (15%):
Structural disordering studies of Cu₆PS₅I-based thin films deposited by magnetron sputtering

Popis urobený 1.6.2017

Lit. 11 záz., 3 obr., 1 tab.

In: EPJ Web of Conferences [elektronický zdroj]. - Vol. 133 (2017), Art. No. 02002 [3 s.] [online]

[ICSeNOB 2016 : Semiconductor Nanostructures for Optoelectronics and Biosensors : International Conference. Rzeszow, 22.-25.5.2016]

URL: [https://www.epj-](https://www.epj-conferences.org/articles/epjconf/abs/2017/02/epjconf_icsenob2017_02002/epjconf_icsenob2017_02002.html)

[conferences.org/articles/epjconf/abs/2017/02/epjconf_icsenob2017_02002/epjconf_icsenob2017_02002.html](https://www.epj-conferences.org/articles/epjconf/abs/2017/02/epjconf_icsenob2017_02002/epjconf_icsenob2017_02002.html)

Registrované v: scopus

AFD Publikované príspevky na domácich vedeckých konferenciách

AFD01 Hrubá, Ludmila - Mikula, Marián [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Valčuha, Š. - Kúš, Peter [UKOMFKEF]: Vlastnosti tenkých tvrdých povlakov pre technologické aplikácie = The properties of the thin hard coatings for technological applications

Lit. 5 záz.

In: Náradie 2004. - Bratislava : Slovenská technická univerzita, 2004. - S. 115-118. - ISBN 80-227-2043-7

[Náradie 2004 : medzinárodná konferencia. Kočovce, 22.-23.4.2004]

AFD02 Černák, Mirko [UKOMFKEFs] - Černáková, Ludmila - Mikula, Marián [UKOMFKEF] - Kováčik, Dušan [UKOMFKEF] - Sťahel, Pavel - Buček, Andrej [UKOMFKEF]: Low-cost plasma activation and chitosan grafting of polypropylene and poly-lactic-acid nonwoven fabrics

Lit. 2 záz., 1 obr.

In: 15th Symposium on Applications of Plasma Processes and 3rd EU-Japan Joint Symposium on Plasma Processing. - Bratislava : Comenius University Press, 2005. - S. 77-78. - 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]

AFD03 Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Mičunek, Radovan [UKOMFKEFd] - 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 TiB₂ 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]

- AFD04 Grančič, Branislav [UKOMFKEF] (40 %) - Mikula, Marián [UKOMFKEF] (30 %) - Buršíková, Vilma (10 %) - Zahoran, Miroslav [UKOMFKEF] (10 %) - Plecenik, Andrej [UKOMFKEF] (5 %) - Kúš, Peter [UKOMFKEF] (5 %): Mechanické vlastnosti Ti-B a Ti-B-N vrstiev pripravených DC magnetronovým naprašovaním z TiB₂ terča
Lit. 6 záz. n.
In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a edičné centrum FMFI UK, 2007. - S. 30-34. - ISBN 978-80-89186-24-2
[New Trends in Plasma Physics and Solid State Physics 2007 : Seminar. 3rd, Bratislava, 4.10.2007]
- AFD05 Mikula, Marián [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (10%) - Vávra, Ivo - Buršíková, Vilma - Šatka, A. - Plecenik, Andrej [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%): Coatings for industrial applications
Lit. 9 záz. n., 11 obr.
In: 17th Conference of Slovak Physicists Proceedings [elektronický zdroj]. - Bratislava : Slovak Physical Society, 2009. - S. 23-28 [CD-ROM]. - ISBN 978-80-969124-7-6
[Konferencia slovenských fyzikov 2009. 17., Bratislava, 16.-19.9.2009]
- AFD06 Pidík, Andrej [UKOMFKEFd] (20%) - Noskovič, Jaroslav [UKOMFKEFd] (20%) - Roch, Tomáš [UKOMFKEF] (20%) - Mikula, Marián [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (20%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Structural properties of boron thin films prepared by magnetron sputtering
Lit. 3 záz. n., 5 obr., 1 tab.
In: 17th Conference of Slovak Physicists Proceedings [elektronický zdroj]. - Bratislava : Slovak Physical Society, 2009. - S. 173-174 [CD-ROM]. - ISBN 978-80-969124-7-6
[Konferencia slovenských fyzikov 2009. 17., Bratislava, 16.-19.9.2009]
- AFD07 Neilinger, Pavol [UKOMFKEF] (35%) - Trgala, Marián [UKOMFKEFd] (20%) - Hrebíková, Ivana [UKOMFKEFd] (10%) - Mikula, Marián [UKOMFKEF] (5%) - Leporis, Marek [UKOEXFM] (10%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Truchlý, Martin [UKOMFDEs] (5%) - Grajcar, Miroslav [UKOMFKEF] (10%): Nonlinearity in superconducting titanium nitride coplanar waveguide resonators
Recenzované
Lit. 9 záz. n.
In: 18th International Conference on Applied Physics of Condensed Matter. - Bratislava: FEI STU, 2012. - S. 118-120. - ISBN 978-80-227-3720-3
[APCOM 2012 : Applied Physics of Condensed Matter : International Conference. 18th, Štrbské Pleso, 20.-22.6.2012]
- AFD08 Motola, Martin [UKOPRCAGd] (20%) - Plesch, Gustáv [UKOPRCAG] (20%) - Satrapinskyy, Leonid [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (20%) - Mikula, Marián [UKOMFKEF] (20%): Fotokatalytické vlastnosti nanotrúbok TiO₂ žíhaných v rozdielnych atmosférach = Photocatalytic Properties of Titanium Dioxide Nanotubes Annealed in Different Atmospheres
Lit. 8 záz. n., 3 obr., 2 tab.
In: Študentská vedecká konferencia PriF UK 2015. Zborník recenzovaných príspevkov [elektronický zdroj]. - Bratislava : Univerzita Komenského, 2015. - S. 1059-1063 [CD-ROM]. - ISBN 978-80-223-3859-2
[Študentská vedecká konferencia PriF UK 2015. Bratislava, 22.4.2015]
- AFD09 Mikula, Marián [UKOMFKEF] (40%) - Roch, Tomáš [UKOMFKEF] (20%) - Plašienka, Dušan [UKOMFKEF] (20%) - Truchlý, Martin [UKOMFDEs] (10%) - Čaplovičová, Mária (5%) - Kúš, Peter [UKOMFKEF] (5%): Age hardening and toughness enhancement in hard coatings
Lit. 4 záz. n., 4 obr.
In: Processing and Properties of Advanced Ceramics. - Bratislava : Institute of Inorganic Chemistry SAS, 2016. - S. 47-51. - ISBN 978-80-971648-5-0
[Processing and Properties of Advanced Ceramics 2016 : Workshop. Košická Belá - Ružín, 23.-25.11.2016]

AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií

- AFG01 Hrubá, Luboslava - Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Valčuha, Štefan - Kúš, Peter [UKOMFKEF]: TiB2 thin coatings in technological applications
Lit. 5 záz. n.
In: Annals of the Oradea University : Fascicle of Management and Technological Engineering [elektronický zdroj]. - Vol. 3(13) (2004), s. 125 [CD-ROM]
[Annual Scientific Session 2004. Oradea, May 2004]
- AFG02 Grančič, Branislav [UKOMFKEF] (40%) - Mikula, Marián [UKOMFKEF] (30%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Držík, Milan [UKOMFKEF] (5%) - Štefečka, Miloslav (5%) - Plecenik, Andrej [UKOMFKEF] (8%) - Kúš, Peter [UKOMFKEF] (7%): Growth of TiB2 coatings prepared by unbalanced DC magnetron sputtering
In: JVC 11 : Joint Vacuum Conference : Programme and book of abstracts. - Praha : Czech Vacuum Society, 2006. - S. 65-66
[JVC 2006 : Joint Vacuum Conference. 11th, Prague, 24.-28.9.2006]
- AFG03 Grančič, Branislav [UKOMFKEF] (20%) - Mikula, Marián [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (10%) - Dobročka, Edmund (5%) - Križanová, Z. (5%) - Zeman, P. (5%) - Mičušík, Matej (5%) - Čička, R. (5%) - Šatka, A. (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Zahoran, Miroslav [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): High temperature oxidation of silicon-doped titanium diboride coatings
In: Vrstvy a povlaky 2011. - Trenčín : Miloš Vavřík - Kníhviazačstvo, 2011. - S. 203. - ISBN 978-80-970824-0-6
[Vrstvy a povlaky 2011 : konferencie. 10., Rožnov pod Radhoštěm, 17.-18.10.2011]
- AFG04 Roch, Tomáš [UKOMFKEF] (20%) - Mikula, Marián [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%) - Vargová, M.(10%) - Plesch, Gustáv [UKOPRCAG] (10%): Structure and morphology of functional thin TiO2 layers fabricated by sol-gel spincoating and DC reactive magnetron sputtering methods
In: Vrstvy a povlaky 2011. - Trenčín : Miloš Vavřík - Kníhviazačstvo, 2011. - S. 209. - ISBN 978-80-970824-0-6
[Vrstvy a povlaky 2011 : konferencie. 10., Rožnov pod Radhoštěm, 17.-18.10.2011]
- AFG05 Truchlý, Martin [UKOMFDEs] (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. n.
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 Truchlý, Martin [UKOMFDEs] (25%) - Mikula, Marián [UKOMFKEF] (25%) - Ballo, Vladimír (20%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%): Improving of adhesion and mechanical properties of hardcoatings by means of HIPIMS technology
In: Vrstvy a povlaky [elektronický zdroj]. - [S.l.] : [s.n], 2014. - [nestr., 1 s.] [CD-ROM]
[Vrstvy a povlaky 2014 : konferencie. 13., Rožnov pod Radhoštěm, 20.-21.10.2014]
- AFG07 Plecenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (15%) - Haidry, Azhar Ali (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (5%) - Krško, Ondrej [UKOMFKEFs] (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/TiO₂/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]

AFG08 Roch, Tomáš [UKOMFKEF] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Krško, Ondrej [UKOMFKEFs] (10%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Structural characterization of metal oxide based gas sensor heterostructures

Lit. 4 záz.

In: Materials Structure. - Vol. 22, No. 3 (2015), s. 177

[Struktura 2015. Luhačovice, 22.-25.6.2015]

AFH Abstrakty príspevkov z domácich vedeckých konferencií

AFH01 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]: TiB₂ 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]

AFH02 Grančič, Branislav [UKOMFKEF] - Mikula, Marián [UKOMFKEF] - Csuba, Adrian - Plecenik, Tomáš [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: Microstructural and chemical studies of TiB₂ coatings prepared by DC magnetron sputtering

In: 5th Solid State Surfaces and Interfaces. - Bratislava : Institute of Physics SAS, 2006. - S. 37

[SSSI 2006 : Solid State Surfaces and Interfaces : Conference. 5th, Smolenice, 19.-24.11.2006]

AFH03 Mikula, Marián [UKOMFKEF] - Grančič, Branislav [UKOMFKEF] - Buršíková, Vilma - Držík, Milan [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] - Kúš, Peter [UKOMFKEF]: Influence of postannealing on structure, hardness and residual stress of TiB₂ superhard coatings

In: 5th Solid State Surfaces and Interfaces. - Bratislava : Institute of Physics SAS, 2006. - S. 68

[SSSI 2006 : Solid State Surfaces and Interfaces : Conference. 5th, Smolenice, 19.-24.11.2006]

AFH04 Vargová, Melinda [UKOPRCAG] (12,5%) - Gorbár, M. (12,5%) - Mancino, T. - Jesenák, Karol [UKOPRCAG] (12,5%) - Mikula, Marián [UKOMFKEF] - Colombo, P. - Vogt, Ulrich F. - Plesch, Gustáv [UKOPRCAG] (12,5%): Synthesis of TiO₂ thick films deposited on ceramic foams and their photocatalytic activity

In: 8th Conference on Solid State Chemistry: Book of Abstracts. - Bratislava : Slovak Academy of Sciences, 2008. - S. 266. - ISBN 978-80-224-1019-9

[SCC 2008 : Solid State Chemistry. 8th, Bratislava, 6.-11.7.2008]

AFH05 Haidry, Azhar Ali [UKOMFKEFd] (9%) - Schlosser, Peter [UKOEXFM] (7%) - Mikula, Marián [UKOMFKEF] (7%) - Ďurina, Pavol [UKOMFKEF] (7%) - Noskovič, Jaroslav [UKOMFKEFd] (7%) - Plecenik, Tomáš [UKOMFKEF] (7%) - Barančeková Husaniková, Petra [UKOMFKEFd] (7%) - Roch, Tomáš [UKOMFKEF] (7%) - Vargová, Melinda [UKOPRCAG] (7%) - Plesch, Gustáv [UKOPRCAG] (7%) - Pidík, Andrej [UKOMFKEFd] (7%) - Zahoran, Miroslav [UKOMFKEF] (7%) - Plecenik, Andrej [UKOMFKEF] (7%) - Kúš, Peter [UKOMFKEF] (7%): Comparative study of hydrogen gas sensors based on TiO₂ thin films prepared by sol-gel method and reactive magnetron sputtering

Lit. 4 záz., 2 obr.

In: WoDiM 2010 : 16th Workshop on Dielectrics in Microelectronics. - Bratislava : IEE SAS, 2010. - S. 138

[WoDiM 2010 : Dielectric in Microelectronics : Workshop. 16th, Bratislava, 28.-30.6.2010]

AFH06 Roch, Tomáš [UKOMFKEF] (20%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (10%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%): Influence of ex-situ annealing on structure, texture and morphology of TiO₂ 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]

AFH07 Satrapinskyy, Leonid [UKOMFKEF] (20%) - Plecenik, Tomáš [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%): Preparation and characterization of hydrogen gas sensor based on a single TiO₂ nanotube

Lit. 3 záz. , 1 obr.

In: Proceedings of 8th Solid State Surfaces and Interfaces. - Bratislava : Comenius University, 2013. - S. 160. - ISBN 978-80-223-3501-0

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

AFH08 Motola, Martin [UKOPRCAGd] (40%) - Plesch, Gustáv [UKOPRCAG] (20%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Gregor, Maroš [UKOMFKEF] (10%): Fotokatalytické vlastnosti V-dopovaných nanorúrok TiO₂ žíhaných v oxidačnej a redukčnej atmosfére

Lit.: 3 záz.

In: ChemZi. - Roč. 11, č. 1 (2015), s. 131-132

[Zjazd chemikov. 67., Horný Smokovec, 7.-11.9.2015]

AFH09 Plecenik, Tomáš [UKOMFKEF] (10%) - Moško, Martin [UKOEXFM] (10%) - Haidry, Azhar Ali (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (10%) - Krško, Ondrej [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%): 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]

AFH10 Pleva, Marek [UKOMFKEFd] (20%) - Grančič, Branislav [UKOMFKEF] (20%) - Mikula, Marián [UKOMFKEF] (15%) - Truchlý, Martin [UKOMFDEs] (15%) - Roch, Tomáš [UKOMFKEF] (15%) - Plecenik, Andrej [UKOMFKEF] (8%) - Kúš, Peter [UKOMFKEF] (7%): Thermalstability and mechanical properties of Ti-B-Si-N coatings prepared by magnetron sputtering

Lit. 5 záz.

In: Extended Abstract Book of 9th Conference "Solid State Surfaces and Interfaces". - Bratislava : Comenius University, 2016. - S. 94-95. - ISBN 978-80-223-4203-2

[SSSI 2016 : Solid State Surfaces and Interfaces : Conference. 9th, Piešťany, 21.-24.11.2016]

AFK Postery zo zahraničných konferencií

AFK01 Grančič, Branislav [UKOMFKEF] (25%) - Mikula, Marián [UKOMFKEF] (25%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinskyy, 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]

AFK02 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]

AFK03 Pleva, Marek [UKOMFKEFd] (20%) - Ďurina, Pavol [UKOMFKEF] (10%) - Haidry, Azhar Ali [UKOMFKEFd] (10%) - Truchlý, Martin [UKOMFDEs] (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 dioxide thin 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]

AFK04 Truchlý, Martin [UKOMFDEs] (18%) - Satrapinskyy, Leonid [UKOMFKEF] (18%) - Ďurina, Pavol [UKOMFKEF] (18%) - Roch, Tomáš [UKOMFKEF] (18%) - Mikula, Marián [UKOMFKEF] (18%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Gas sensor based on single TiO₂ nanotube

In: IC-MAST 2013 - Abstract Book. - [S.l.] : [s.n.], 2013. - Art. No. P3P50

[IC-MAST 2013 : International Conference on Materials and Applications for Sensors and Transducers. 3rd, Prague, 13.-17.9.2013]

AFL Postery z domácich konferencií

AFL01 Grančič, Branislav [UKOMFKEF] (40%) - Mikula, Marián [UKOMFKEF] (30%) - Buršíková, Vilma (5%) - Csuba, Adrian (5%) - Plecenik, Tomáš [UKOMFKEF] (5%) - Držík, Milan [UKOMFKEF] (5%) - Vávra, Ivo (5%) - Plecenik, Andrej [UKOMFKEF] (3%) - Kúš, Peter [UKOMFKEF] (2%): Structure and properties of superhard TiB₂ coatings prepared by DC magnetron sputtering

In: SAPP : 16th Symposium on Application of Plasma Processes. - Bratislava : FMFI UK, 2007. - S. 43. - ISBN 978-80-89186-13-6

[SAPP 2007 : Symposium on Applications of Plasma Processes. 16th, Podbanské, 20.-21.1.2007]

[Research of Plasma Physics and Applications in Visegrad Countries 2007 : Workshop. Podbanské, 22.-25.1.2007]

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 [UKOMFDEs] (9%) - Ďurina, Pavol [UKOMFKEF] (9%) - Haidry, Azhar Ali (9%): Spôsob detekcie plynov a polovodičový detektor plynov pracujúci pri izbovej teplote : úžitkový vzor č. 7253. - Banská Bystrica : Úrad priemyselného vlastníctva SR, 2015. - 5 s.
4 obr.

BDF Odborné práce v ostatných domácich časopisoch

BDF01 Mikula, Marián [UKOMFKEF] (25%) - Grančič, Branislav [UKOMFKEF] (25%) - Hoško, Jozef (25%) - Pulc, Vojtech (25%): Nanoštruktúrované tvrdé vrstvy v priemyselnej praxi
1 obr.

In: Magazín stavebné stroje a mechanizácia. - Roč. 6, č.1 (2011), s. 22-23

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 [UKOMFDEs] (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 [UKOMFDEs] (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%) - Plecenik, Andrej [UKOMFKEF] (5%): Structure and gas sensing properties of rutile TiO₂ 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]

BEE04 Tonhauzerová, Diana (25%) - Mikula, Marián [UKOMFKEF] (25%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Krížik, P. (10%) - Grančič, Branislav [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Thermal stability and oxidation behavior of reactive sputtered Ta-Al-Y-N coatings

4 obr.

In: Vrstvy a povlaky. - Plzeň : Západočeská univerzita, 2013. - S. 157-159. - ISBN 978-80-970824-2-0 [Vrstvy a povlaky 2013 : konference. 12., Rožnov pod Radhoštěm, 30.9.-1.10.2013]

BEE05 Mikula, Marián [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (20%) - Plašienka, Dušan [UKOMFKEF] (20%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Švec, P. (5%) - Vlčková, Dominika (5%) - Dvoranová, Mária [UKOMFKEFd] (5%) - Grančič, Branislav [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Plecenik, 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 : Knihviazačstvo, 2014. - S. 133-138. - ISBN 978-80-970824-3-7 [Vrstvy a povlaky 2014 : konference. 13., Rožnov pod Radhoštěm, 20.-21.10.2014]

BEE06 Mikula, Marián [UKOMFKEF] (40%) - Tonhauzerová, Diana (10%) - Štyráková, Kamila (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Plašienka, Dušan [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF]

(10%) - Kúš, Peter [UKOMFKEF] (10%): Thermal stability of multicomponent hard coatings
Lit. 7 záz. n.

In: Vrstvy a povlaky. - Trenčín : Kníhviazačstvo, 2014. - S. 139. - ISBN 978-80-970824-3-7
[Vrstvy a povlaky 2014 : konferencie. 13., Rožnov pod Radhoštem, 20.-21.10.2014]

BEE07 Plecenik, Tomáš [UKOMFKEF] (15%) - Moško, Martin [UKOEXFM] (10%) - Haidry, Azhar Ali (10%) - Ďurina, Pavol [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (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%) - Plecenik, Andrej [UKOMFKEF] (5%): Metal oxide semiconductor gas sensors based on nanoscale sandwich structures

Lit. 6 záz. n.

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

BEE08 Roch, Tomáš [UKOMFKEF] (20%) - Dvoranová, Mária [UKOMFKEFd] (20%) - Mikula, Marián [UKOMFKEF] (20%) - Grančič, Branislav [UKOMFKEF] (20%) - Plecenik, Andrej [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%): Issues in x-ray structural characterization of thin films at non-ambient high temperatures

Lit. 3 záz. n.

In: Vrstvy a povlaky. - Trenčín : Kníhviazačstvo, 2014. - S. 167-169. - ISBN 978-80-970824-3-7
[Vrstvy a povlaky 2014 : konferencie. 13., Rožnov pod Radhoštem, 20.-21.10.2014]

BEE09 Mikula, Marián [UKOMFKEF] (30%) - Plašienka, Dušan [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (20%) - Štyráková, Kamila (10%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Drienovský, Marián (5%) - Grančič, Branislav [UKOMFKEF] (4%) - Plecenik, Andrej [UKOMFKEF] (3%) - Kúš, Peter [UKOMFKEF] (3%): Experimental and computational study on the phase stability of Ta containing Cr-Al-Y-N coatings

Lit. 8 záz. n., 5 obr.

In: Vrstvy a povlaky 2015. - Trenčianska Teplá : M-PRESS, 2015. - S. 127-132. - ISBN 978-80-972133-0-5
[Vrstvy a povlaky 2015 : konferencie. 14., Rožnov pod Radhoštem, 19.-20.10.2015]

BEE10 Pleva, Marek [UKOMFKEFd] (25%) - Grančič, Branislav [UKOMFKEF] (20%) - Mikula, Marián [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Ďurina, Pavol [UKOMFKEF] (5%) - Girman, Vladimír (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Mechanické vlastnosti a teplotná stabilita tenkých vrstiev na báze Ti-B-Si-N

Lit. 5 záz. n., 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 : konferencie. 14., Rožnov pod Radhoštem, 19.-20.10.2015]

BEE11 Tonhauzerová, Diana (25%) - Mikula, Marián [UKOMFKEF] (25%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Plašienka, Dušan [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (5%) - Grančič, Branislav [UKOMFKEF] (5%) - Plecenik, Andrej [UKOMFKEF] (5%) - Kúš, Peter [UKOMFKEF] (5%): Structure evolution and mechanical properties of quaternary Ta-Al-Y-N hard coatings

Lit. 5 záz. n., 5 obr.

In: Vrstvy a povlaky 2015. - Trenčianska Teplá : M-PRESS, 2015. - S. 171-175. - ISBN 978-80-972133-0-5
[Vrstvy a povlaky 2015 : konferencie. 14., Rožnov pod Radhoštem, 19.-20.10.2015]

BEE12 Truchlý, Martin [UKOMFDEs] (30%) - Mikula, Marián [UKOMFKEF] (30%) - Hudec, T. (10%) - Roch, Tomáš [UKOMFKEF] (10%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%): Low friction MoS₂ thin films prepared by HiTUS technology

Lit. 6 záz. n., 2 obr., 1 tab.

In: Vrstvy a povlaky 2015. - Trenčianska Teplá : M-PRESS, 2015. - S. 177-179. - ISBN 978-80-972133-0-5

[Vrstvy a povlaky 2015 : konferencie. 14., Rožnov pod Radhoštěm, 19.-20.10.2015]

BEE13 Mikula, Marián [UKOMFKEF] (40%) - Plašienka, Dušan [UKOMFKEF] (15%) - Sangiovanni, Davide G. (15%) - Sahul, Martin (5%) - Roch, Tomáš [UKOMFKEF] (5%) - Truchlý, Martin [UKOMFDEs] (5%) - Gregor, Maroš [UKOMFKEF] (5%) - Čaplovič, Lubomír (4%) - Plecenik, Andrej [UKOMFKEF] (3%) - Kúš, Peter [UKOMFKEF] (3%): Toughness enhancement in quaternary Ti-Al-Nb(Ta)-N hard coatings
Lit. 22 záz.

In: Vrstvy a povlaky 2016. - Trenčianska Teplá : M-PRESS, 2016. - S. 69-75. - ISBN 978-80-972133-1-25
[Vrstvy a povlaky 2016 : konferencie. 15., Rožnov pod Radhoštěm, 17.-18.10.2016]

BEE14 Truchlý, Martin [UKOMFDEs] (30%) - Mikula, Marián [UKOMFKEF] (30%) - Roch, Tomáš [UKOMFKEF] (10%) - Plašienka, Dušan [UKOMFKEF] (10%) - Sangiovanni, Davide G. (10%) - Čaplovičová, M. (4%) - Plecenik, Andrej [UKOMFKEF] (3%) - Kúš, Peter [UKOMFKEF](3%): Thermally-induced decomposition in hard Ta-Al-N thin films
Lit. 20 záz.

In: Vrstvy a povlaky 2016. - Trenčianska Teplá : M-PRESS, 2016. - S. 101-106. - ISBN 978-80-972133-1-25
[Vrstvy a povlaky 2016 : konferencie. 15., Rožnov pod Radhoštěm, 17.-18.10.2016]

BEF Odborné práce v domácich zborníkoch (konferenčných aj nekonferenčných)

BEF01 Roch, Tomáš [UKOMFKEF] (30 %) - Grančič, Branislav [UKOMFKEF] (30 %) - Mikula, Marián [UKOMFKEF] - Buršíková, Vilma - Plecenik, Andrej [UKOMFKEF] (3 %) - Kúš, Peter [UKOMFKEF] (3 %): Röntgenová difrakčná analýza supratvrдых TiB₂ povlakov
Lit. 5 záz.

In: The 3rd Seminar on New Trends in Plasma Physics and Solid State Physics. - Bratislava : Knižničné a edičné centrum FMFI UK, 2007. - S. 124-127. - ISBN 978-80-89186-24-2
[New Trends in Plasma Physics and Solid State Physics 2007 : Seminar. 3rd, Bratislava, 4.10.2007]

BEF02 Mikula, Marián [UKOMFKEF] (25%) - Plašienka, Dušan [UKOMFKEF] (20%) - Roch, Tomáš [UKOMFKEF] (20%) - Štyráková, Kamila (10%) - Satrapinskyy, Leonid [UKOMFKEF] (5%) - Drienovský, Marián (5%) - Girman, Vladimír (5%) - Grančič, Branislav [UKOMFKEF](5%) - Plecenik, Andrej [UKOMFKEF] (3%) - Kúš, Peter [UKOMFKEF] (2%): Thermal stability of multicomponent hard coatings based on nitrides = Teplotná stabilita multikomponentných nitridových tvrdých vrstiev
Popis urobený 22.1.2016
Lit. 7 záz., 3 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. 27-31 [online]. -ISBN 978-80-89782-03-1
[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>

BEF03 Pleva, Marek [UKOMFKEFd] (30%) - Grančič, Branislav [UKOMFKEF] (15%) - Mikula, Marián [UKOMFKEF] (10%) - Truchlý, Martin [UKOMFDEs] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Satrapinskyy, 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 magnetronového 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 978-80-89782-03-1
[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%) - Satrapinskyy, Leonid [UKOMFKEF] (10%) - Mikula, Marián [UKOMFKEF] (10%) - Kúš, Peter [UKOMFKEF] (10%) - Plecenik, Andrej [UKOMFKEF] (10%): Influence of aneling atmosphere on structural and superconducting properties of MgB₂ thin films
In: 11th European Conference on Applied Superconductivity. - Genova : SPIN, 2013. - S. 912
[EUCAS 2013 : European Conference on Applied Superconductivity. 11th, Genova, 15.-19.9.2013]

BFA02 Pleva, Marek [UKOMFKEFd] (30%) - Grančič, Branislav [UKOMFKEF] (20%) - Truchlý, Martin [UKOMFDEs] (10%) - Roch, Tomáš [UKOMFKEF] (5%) - Mikula, Marián [UKOMFKEF] (10%) - Satrapinskyy, 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 Mikula, Marián [UKOMFKEF] (100%) : Tvrdé a supertvrde vrstvy na báze titánu. - Bratislava : [s.n.], 2007. - 137 s.
Doktorandská dizertačná práca (PhD.) - Slovenská akadémia vied, Bratislava, 2007

GAI Správy

GAI01 - Roch, Tomáš [UKOMFKEF] (20%) - Grančič, Branislav [UKOMFKEF] (20%) - Mikula, Marián [UKOMFKEF] - Plecenik, Andrej [UKOMFKEF] (20%) - Kúš, Peter [UKOMFKEF] (20%): K niektorým rozvojovým aktivitám v laboratóriách na Oddelení tuhých látok Katedry experimentálnej fyziky FMFI UK Lit. 2 záz., 8 obr.
In: 2. Zborník príspevkov štipendistov z projektu JPD 3 BA 2005/1-043. - Bratislava : Knižničné a edičné centrum FMFI UK, 2008. - S. 88-94. - ISBN 978-80-89186-26-6

Štatistika kategórií (Záznamov spolu: 87):

ADC Vedecké práce v zahraničných karentovaných časopisoch (18)
ADE Vedecké práce v ostatných zahraničných časopisoch (3)
AFA Publikované pozvané príspevky na zahraničných vedeckých konferenciách (1)
AFC Publikované príspevky na zahraničných vedeckých konferenciách (10)
AFD Publikované príspevky na domácich vedeckých konferenciách (9)
AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií (8)
AFH Abstrakty príspevkov z domácich vedeckých konferencií (10)
AFK Postery zo zahraničných konferencií (4)
AFL Postery z domácich konferencií (1)
AGJ Autorské osvedčenia, patenty, objavy (1)
BDF Odborné práce v ostatných domácich časopisoch (1)
BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných) (14)
BEF Odborné práce v domácich zborníkoch (konferenčných aj nekonferenčných) (3)
BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie, ...) (2)
DAI Dizertačné a habilitačné práce (1)
GAI Správy (1)

Štatistika ohlasov (103):

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (103)

25. 8. 2017