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Pozícia na projekte	Vedecko-výskumný pracovník
Vedecké identifikátory	WoS (Researcher ID): AAG-6931-2021, Scopus (AuthorID): 6602449531, ORCID: 0000-0003-3517-1945
Vedecké zameranie	využitie jadrovej elektroniky v analytických metódach skúmania štruktúry materiálov
Publikačná činnosť s ohlasmí (aktuálne k 31.10.2022)	
V2 Vedecký výstup publikačnej činnosti ako časť editovanej knihy alebo zborníka	
V2_01	DEGMOVÁ, Jarmila - SITEK, Jozef. Influence of Weak External Magnetic Field on Amorphous and Nanocrystalline Fe-Based Alloys. In <i>AIP Conference Proceedings : Mössbauer Spectroscopy in Materials Science</i> . Vol.1258 (2010), s.7-13. ISSN 0094-243X (2010: 0.166 - SJR). Kategória publikácie do 2021: AEC
V2_02	DEGMOVÁ, Jarmila - KRŠJAK, Vladimír - SOJAK, Stanislav. Microstructural characterization of nuclear materials exposed to environmental degradation. In <i>Bulletin vedeckých príspevkov : Bulletin vedeckých príspevkov z projektu Vedeckovýskumné centrum excelentnosti Slovákion pre materiálovú a interdisciplinárny výskum</i> . 1. vyd. Bratislava : Spektrum, 2022, S. 29-34. ISBN 978-80-227-5220-6. Typ výstupu: príspevok; Výstup: domáci; Kategória publikácie do 2021: AED
V2_03	SLUGEŇ, Vladimír - LIPKA, Jozef - DEKAN, Július - DEGMOVÁ, Jarmila - TÓTH, Ignác. Phase Composition Study of Corrosion Product at NPP. In <i>Nuclear Power Plants</i> . Rijeka : InTech, 2012, s.317-340. ISBN 978-953-51-0408-7. Kategória publikácie do 2021: AEC
V3 Vedecký výstup publikačnej činnosti z časopisu	
V3_01	BALLO, Peter - DEGMOVÁ, Jarmila - SLUGEŇ, Vladimír. Grain Boundary Sliding and Migration in Copper: Vacancy Effect. In <i>Physical Review B</i> . Vol. 72 (2005), s.064118.1-5. ISSN 2469-9950 (2005: 3.185 - IF, Q1 - JCR Best Q, 2.126 - SJR, Q1 - SJR Best Q). V databáze: WOS. Kategória publikácie do 2021: ADC Ohlasy: 1. [1] WANG, R.Z. - KOHYAMA, M. - TANAKA, S. - TAMURA, T. - ISHIBASHI, S. First-Principles Study of the Stability and Interfacial Bonding of Tilt and Twist Grain Boundaries in Al and Cu. In <i>Journal of the Japan Institute of Metals</i> , 2009, vol. 73, s.559-565., Registrované v: SCOPUS Ohlas: zahraničný 2. [1] OGATA, Shigenobu - UMENO, Yoshitaka - KOHYAMA, Masanori. First-principles approaches to intrinsic strength and deformation of materials: Perfect crystals, nano-structures, surfaces and interfaces. In <i>Modelling and Simulation in Materials Science and Engineering</i> , 2009-04-10, 17, 1, pp. ISSN 09650393., Registrované v: SCOPUS Ohlas: zahraničný 3. [1] KRŠJAK, Vladimír - SOJAK, Stanislav - PETRISKA, Martin - VETERNÍKOVÁ, Jana. Non Destructive Examination of Helium Implanted Fe-Cr Model Alloys. ASME, 2009 In <i>Proceedings of the ASME pressure vessels and piping conference 2009 : Prague, Czech Republic, 25.-30.7.2009</i> , s.CD-Rom. ISBN 978-07918-3854-9., Registrované v: SCOPUS Ohlas: zahraničný 4. [1] WANG, R.Z. - KOHYAMA, M. - TANAKA, S. - TAMURA, T. - TAMURA, T. First-Principles Study of the Stability and Interfacial Bonding of Tilt and Twist Grain Boundaries in Al and Cu. In <i>Materials transactions - JIM</i> , 2009, vol. 50, s.11-18., Registrované v: SCOPUS Ohlas: zahraničný 5. [1] DU, N.N. - QI, Y. - KRAJEWSKI, P.E. - BOWER, A.F. Aluminum Sigma 3 grain boundary sliding enhanced by vacancy diffusion. In <i>Acta Materialia</i> , 2010, vol. 58, iss. 12, s.4245-4252., Registrované v: SCOPUS Ohlas: zahraničný 6. [1] WEN, Yan-Ni - ZHANG, Yan - ZHANG, Jian-Min - XU, K.W. Atomic Diffusion in the Fe [001] Sigma=5 (310) and (210) Symmetric Tilt Grain Boundary. In <i>Computational Materials Science</i> , 2011, vol. 50, iss. 7, s.2087-2095. Ohlas: zahraničný 7. [1] ZHOU, Hong-Bo - LIU, Yue-Lin - DUAN, Chen - JIN, Shuo - ZHANG, Ying - GAO, Fei - SHU, Xiaolin - LU, Guang-Hong. Effect of Vacancy on the Sliding of an Iron Grain Boundary. In <i>Journal of Applied Physics</i> , 2011, vol. 109, iss. 11, s.Art. No. 113512., Registrované v: SCOPUS Ohlas: zahraničný 8. [1] LIU, Min - Lu, Yanling - Liu, Renduo - Zhou, Xingtai. TEM Investigation on the Microstructural Evolution of Hastelloy N Induced by Ar+ Ion Irradiation. In <i>MICROSCOPY RESEARCH AND TECHNIQUE</i> , 2014, vol. 77, no. 2, pp. 161-169. ISSN 1059-910X., Registrované v: WOS, SCOPUS Ohlas: zahraničný 9. [1] Novák, Patrik - Gokhman, Aleksandr - Dobročka, Edmund - Bokor, Jozef - Pecko, Stanislav. Investigation of helium implanted Fe-Cr alloys by means of X-ray diffraction and positron annihilation spectroscopy. In <i>Journal of Electrical Engineering</i> , 2015-01-01, 66, 6, pp. 334-338. ISSN 13353632., Registrované v: SCOPUS, WOS Ohlas: domáci 10. [1] CHENG, Kuiyu - ZHANG, Liang - LU, Cheng - TIEU, Kiet. Coupled grain boundary motion in aluminium: the effect of structural multiplicity. In <i>SCIENTIFIC REPORTS</i> , 2016, vol. 6, no., pp. ISSN 2045-2322., Registrované v: WOS, SCOPUS

	<p>Ohlas: zahraničný</p> <p>11. [1] SCHUSTERITSCH, Georg - KUEHNE, Thomas D. - GUO, Zheng Xiao - KAXIRAS, Efthimios. The effect of Ag, Pb and Bi impurities on grain boundary sliding and intergranular decohesion in Copper. In <i>PHILOSOPHICAL MAGAZINE</i>, 2016, vol. 96, no. 27, pp. 2868-2886. ISSN 1478-6435., Registrované v: WOS, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>12. [1] WANG, Hao - KOHYAMA, Masanori - TANAKA, Shingo - SHIIHARA, Yoshinori. Ab initio local-energy and local-stress analysis of tensile behaviours of tilt grain boundaries in Al and Cu. In <i>MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING</i>, 2017, vol. 25, no. 1, pp. ISSN 0965-0393., Registrované v: WOS, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>13. [1] LIU, Xingwei - LIU, Xuemei - LU, Hao - WANG, Haibin - HOU, Chao - SONG, Xiaoyan - NIE, Zuoren. Low-energy grain boundaries in WC-Co cemented carbides. In <i>ACTA MATERIALIA</i>, 2019, vol. 175, no., pp. 171-181. ISSN 1359-6454., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p>
V3_02	<p>DEGMOVÁ, Jarmila - ROTH, Siegmund - ECKERT, Jurgen - GRAHL, H. - SCHULTZ, L. Magnetic Properties of Bulk Amorphous FeAlGaPCBSi Samples Prepared by Ball-Milling and Subsequent Hot Pressing. In <i>Materials Science and Engineering A. Structural Materials. Properties, Microstructure and Processing</i>. Vol. 375-377 (2004), s.265-269. ISSN 0921-5093 (2004: 1.445 - IF, Q2 - JCR Best Q, 1.288 - SJR, Q1 - SJR Best Q). V databáze: WOS.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] WIEST, Aaron - HARMON, J.S. - CONNER, R. - DEMETRIOU, Marios D. - JOHNSON, William L. Injection molding metallic glass. In <i>Scripta Materialia</i>, 2009, vol. 60, s.160-163. V databáze: SCOPUS ; WOS., Registrované v: SCOPUS, WOS</p> <p>Ohlas: zahraničný</p> <p>2. [1] LU, W. - YAN, B. - TANG, R. Bulk metglas, finemet and nanoperm soft magnetic alloys prepared by ultra-high-pressure consolidation. In <i>Journal of Alloys and Compounds</i>, 2006, vol. 425, s.406-410.</p> <p>Ohlas: zahraničný</p> <p>3. [1] ENAYATI, M. H. - Mohamed, F. A. Application of mechanical alloying/milling for synthesis of nanocrystalline and amorphous materials. In <i>INTERNATIONAL MATERIALS REVIEWS</i>, 2014, vol. 59, no. 7, pp. 394-416. ISSN 0950-6608., Registrované v: WOS</p> <p>Ohlas: zahraničný</p> <p>4. [1] ZHU, Man - FA, Yang - JIAN, Zengyun - YAO, Lijuan - JIN, Changqing - NAN, Ruihua - CHANG, Fang'e. Non-isothermal crystallization kinetics and soft magnetic properties of the Fe₆₇Nb₅B₂₈ metallic glasses. In <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i>, 2018, vol. 132, no. 1, pp. 173-180. ISSN 1388-6150., Registrované v: WOS, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>5. [1] JEON, Changwoo - LEE, Juho - PARK, Eun Soo. Failure and Phase Transformation Mechanism of Multi-Layered Nitride Coating for Liquid Metal Injection Casting Mold. In <i>KOREAN JOURNAL OF MATERIALS RESEARCH</i>, 2021, vol. 31, no. 6, pp. 331-338. ISSN 1225-0562., Registrované v: WOS</p> <p>Ohlas: zahraničný</p>
V3_03	<p>DEGMOVÁ, Jarmila - TÓTH, Ignác - BEDNARČÍK, J. - KOLLÁR, Peter. The Influence of Ball-Milling on Structural and Magnetic Properties of Co-Based Powders. In <i>Czechoslovak Journal of Physics</i>. Vol. 55, č. 7 (2005), s.791-801. ISSN 0011-4626 (2005: 0.360 - IF, Q4 - JCR Best Q, 0.240 - SJR, Q3 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] CHATTOPADHYAY, Sudip - GIRI, S. - MAJUMDAR, S. Magnetic ground state of ZnCr₂O₄: Effect of disorder due to size reduction. In <i>Physica Status Solidi B - Basic Solid State Physics</i>, 2013, vol. 250, s.1913-1918. V databáze: WOS., Registrované v: WOS</p> <p>Ohlas: zahraničný</p>
V3_04	<p>DEGMOVÁ, Jarmila - ROTH, Siegmund - ECKERT, Jurgen - SCHULTZ, L. Preparation and Magnetic Properties of Ball-Milled and Subsequently Hot Pressed Fe₇₇Al_{2.14}Ga_{0.86}P_{8.4}C₅B₄Si_{2.6} Bulk Metallic Glass. In <i>Journal of Metastable and Nanocrystalline Materials</i>. č. 12 (2002), s.85-92.</p> <p>Kategória publikácie do 2021: ADE</p>
V3_05	<p>DEGMOVÁ, Jarmila - SITEK, Jozef - BEDNARČÍK, J. Influence of External Factors on Amorphous and Nanocrystalline Soft Magnetic Alloys Studied by Mössbauer Spectroscopy. In <i>Materials Science Forum</i>. Vol. 518 (2006), s.195-202. ISSN 0255-5476 (2006: 0.369 - SJR, Q2 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADC</p>
V3_06	<p>DEGMOVÁ, Jarmila - FINNBERG, Jörg - ROTH, Stefan. Hot-Pressed (SmFe)-(FeAlPCBSiGa) Composites: Influence of Preparation Conditions. In <i>Journal of Magnetism and Magnetic Materials</i>. Vol. 301 (2006), s.190-199. ISSN 0304-8853 (2006: 1.212 - IF, Q2 - JCR Best Q, 0.838 - SJR, Q2 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] SHI, Y. - ZHOU, X. G. - HU, C.C. - SHI, D. - LV, L.Y. - TANG, S.L. Magnetostrictive properties of Tb-x(Pr_{0.5}Nd_{0.5})(1-x)Fe-1.93 cubic Laves alloys. In <i>Journal of Alloys and Compounds</i>, 2013, vol. 581, s.753-756. V databáze: WOS., Registrované v: WOS</p> <p>Ohlas: zahraničný</p>

V3_07	<p>DEGMOVÁ, Jarmila - DEBARBERIS, Luigi - KRŠJAK, Vladimír. Model Materials for Reactor Pressure Vessel. In <i>Acta Physica Polonica A</i>. Vol. 118, No. 5 (2010), s.1054-1056. ISSN 0587-4246 (2010: 0.444 - IF, Q4 - JCR Best Q, 0.294 - SJR, Q3 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] PAL'A, J. - SOKA, M. Investigation of two-stage magnetic barkhausen noise measurement method at power line frequency. In <i>Acta Physica Polonica A</i>, 2016-03-01, 129, 3, pp. 383-387. ISSN 05874246., Registrované v: SCOPUS, WOS <p>Ohlas: zahraničný</p>
V3_08	<p>DEGMOVÁ, Jarmila - DEBARBERIS, Luigi - ACOSTA, Beatriz - NOVOTNÝ, Radek - BRANCUCCI, Carlo. Characterisation of as-Cast Model Steels with Parametric Variation of Ni, Mn, Si and Cr Content. In <i>International Journal of Microstructure and Materials Properties</i>. Vol. 6, No. 5 (2011), s.347-358. ISSN 1741-8410 (2011: 0.189 - SJR, Q3 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADE</p>
V3_09	<p>DEGMOVÁ, Jarmila - DEKAN, Július - SLUGEŇ, Vladimír - THEES, Constanze - SMIEŠKO, Ivan - ŠELIGA, Pavol. Analysis of Steam Generators Corrosion Products from Slovak NPP Bohunice. In <i>International Journal of Corrosion</i>. Vol. 2012 (2012), s.Art. No. 643727 [6] p. ISSN 1687-9325 (2012: 0.157 - SJR, Q3 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADE</p>
V3_10	<p>DEGMOVÁ, Jarmila - DEKAN, Július - ŠIMEG VETERNÍKOVÁ, Jana - SLUGEŇ, Vladimír. Mössbauer spectroscopy study of laboratory produced ODS steels. In <i>Acta Physica Polonica A</i>. Vol. 131, No. 4 (2017), s. 1171-1173. ISSN 0587-4246 (2017: 0.857 - IF, Q3 - JCR Best Q, 0.335 - SJR, Q3 - SJR Best Q). V databáze: CC: 000401331400091 ; SCOPUS: 2-s2.0-85019548862.</p> <p>Kategória publikácie do 2021: ADC</p>
V3_11	<p>DEGMOVÁ, Jarmila - KRŠJAK, Vladimír - DEKAN, Július - MIKULA, Peter. MBN characterization of RPV model steels. In <i>Acta Physica Polonica A</i>. Vol. 137, No. 5 (2020), s. 1000-1002. ISSN 0587-4246 (2020: 0.577 - IF, Q4 - JCR Best Q, 0.217 - SJR, Q4 - SJR Best Q). V databáze: CC: 000558676100127 ; SCOPUS: 2-s2.0-85088036369 ; DOI: 10.12693/APhysPolA.137.1000.</p> <p>Kategória publikácie do 2021: ADC</p>
V3_12	<p>DEGMOVÁ, Jarmila - KRŠJAK, Vladimír - SHEN, Tielong - ŠIMEG VETERNÍKOVÁ, Jana - GATCIOVÁ, Andrea - SOJAK, Stanislav - HRUŠKA, Petr. Near-surface investigation of positron diffusion length in helium-implanted Fe9Cr and its ODS variant. In <i>Applied Surface Science</i>. Vol. 538, (2020), Art. no. 148004 [5] s. ISSN 0169-4332 (2020: 6.707 - IF, Q1 - JCR Best Q, 1.295 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85092215192 ; CC: 000595140800006 ; DOI: 10.1016/j.apsusc.2020.148004.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] WANG, Yong - ZHANG, Tongmin - LIAO, Qing - YANG, Junyuan - GU, Weigang - REN, Yongfei - JIA, Zheng - LI, Bingsheng. Comparison between Subsequent Irradiation and Co-Irradiation into SIMP Steel. In <i>MATERIALS</i>, 2021, vol. 14, no. 6, pp., Registrované v: WOS, CC, SCOPUS <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] YANG, Zhen - YANG, Junyuan - LIAO, Qing - XU, Shuai - LI, Bingsheng. Effect of helium concentration on irradiation damage of Fe-ion irradiated SIMP steel at 300 degrees C and 450 degrees C*. In <i>CHINESE PHYSICS B</i>, 2021, vol. 30, no. 5, pp. ISSN 1674-1056., Registrované v: WOS, CC <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] DUAN, Xiuxuan - JIN, Shuoxue - SONG, Yamin - LI, Shilei - QIAO, Yanxin - WANG, Yanli - CAO, Xingzhong. Improving the exploration of vacancy evolution in P92 alloy under Fe ion irradiation using positron annihilation. In <i>JOURNAL OF NUCLEAR MATERIALS</i>, 2022, vol. 565, no., pp. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS <p>Ohlas: zahraničný</p>
V3_13	<p>DEGMOVÁ, Jarmila - KRŠJAK, Vladimír - SOJAK, Stanislav - DEKAN, Július - PETRISKA, Martin - MIKULA, Peter - KOTVAS, Michal. NDT study of precipitation processes in thermally aged Fe-20Cr alloy. In <i>Journal of Nuclear Materials</i>. 547, (2021), art.no.152799. ISSN 0022-3115 (2021: 3.555 - IF, Q1 - JCR Best Q, 1.049 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000620250500005 ; CC: 000620250500005 ; SCOPUS: 2-s2.0-85099639588.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] GARCIA-JUNCEDA, Andrea - RODRIGUEZ, Diego - HERNANDEZ, Rebeca - SERRANO, Marta. Investigation of the Effect of 475 degrees C Aging Treatment on Mechanical Properties of a Fe-19Cr-5.5Al ODS Alloy Using Tensile, Impact and Small Punch Tests. In <i>METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE</i>, 2021, vol., no., pp. ISSN 1073-5623., Registrované v: WOS <p>Ohlas: zahraničný</p> <ol style="list-style-type: none"> [1] WANG, Jian - FU, Banglong - BERGMANN, Luciano - LIU, Feng - KLUSEMANN, Benjamin. Effect of Welding Speed on Friction Stir Welds of PM2000 Alloy. In <i>JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE</i>, 2022, vol., no., pp. ISSN 1059-9495., Registrované v: WOS, SCOPUS <p>Ohlas: zahraničný</p>
V3_14	<p>GRUSKOVÁ, Anna - SLÁMA, Jozef - UŠÁKOVÁ, Mariana - ŠOKA, Martin - DOSOUDIL, Rastislav - DEGMOVÁ, Jarmila. Study of Magnetic and Structural Properties of Non-Stoichiometric NiZn Ferrites Prepared by Wet Method. In <i>Acta Physica Polonica A</i>. Vol. 118, No. 5 (2010), s.780-781. ISSN 0587-4246 (2010: 0.444 - IF, Q4 - JCR Best Q, 0.294 - SJR, Q3 - SJR Best Q).</p>

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Ohlas: zahraničný

V3_15

KRŠJAK, Vladimír - DEGMOVÁ, Jarmila - SOJAK, Stanislav - SLUGENŇ, Vladimír. Effects of displacement damage and helium production rates on the nucleation and growth of helium bubbles - Positron annihilation spectroscopy aspects. In *Journal of Nuclear Materials*. Vol. 499, (2018), s. 38-46. ISSN 0022-3115 (2018: 2.547 - IF, Q1 - JCR Best Q, 1.203 - SJR, Q1 - SJR Best Q). V databáze: CC: 000425106800005 ; SCOPUS: 2-s2.0-85034046898.

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Ohlas: zahraničný

2. [1] RAMACHANDRAN, Renjith - DAVID, C. - MAGUDAPATHY, P. - RAJARAMAN, R. - GOVINDARAJ, R. - AMARENDRA, G. Study of defect complexes and their evolution with temperature in hydrogen and helium irradiated RAFM steel using positron annihilation spectroscopy. In FUSION ENGINEERING AND DESIGN, 2019, vol. 142, no., pp. 55-62. ISSN 0920-3796., Registrované v: WOS, CC, SCOPUS

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Ohlas: zahraničný

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Ohlas: zahraničný

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Ohlas: zahraničný

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Ohlas: zahraničný

8. [1] LI, Bingsheng - YANG, Zhen - XU, Shuai - WEI, Kongfang - WANG, Zhiguang - SHEN, Tielong - ZHANG, Tongmin - LIAO, Qing. Comparison of helium bubble formation in F82H, ODS, SIMP and T91 steels irradiated by Fe and He ions simultaneously*. In CHINESE PHYSICS B, 2021, vol. 30, no. 3, pp. ISSN 1674-1056., Registrované v: WOS, CC

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Ohlas: zahraničný

10. [1] WANG, Yong - ZHANG, Tongmin - LIAO, Qing - YANG, Junyuan - GU, Weigang - REN, Yongfei - JIA, Zheng - LI, Bingsheng. Comparison between Subsequent Irradiation and Co-Irradiation into SIMP Steel. In MATERIALS, 2021, vol. 14, no. 6, pp., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

11. [1] SELIM, F. A. Positron annihilation spectroscopy of defects in nuclear and irradiated materials- a review. In MATERIALS CHARACTERIZATION, 2021, vol. 174, no., pp. ISSN 1044-5803., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

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Ohlas: zahraničný

13. [1] GILBERT, M. R. - ARAKAWA, K. - BERGSTROM, Z. - CATURLA, M. J. - DUDAREV, S. L. - GAO, F. - GORYAEVA, A. M. - HU, S. Y. - HU, X. - KURTZ, R. J. - LITNOVSKY, A. - MARIAN, J. - MARINICA, M-C - MARTINEZ, E. - MARQUIS, E. A. - MASON, D. R. - NGUYEN, B. N. - OLSSON, P. - OSETSKIY, Y. - SENOR, D. - SETYAWAN, W. - SHORT, M. P. - SUZUDO, T. - TRELEWICZ, J. R. - TSURU, T. - WAS, G. S. - WIRTH, B. D. - YANG, L. - ZHANG, Y. - ZINKLE, S. J. Perspectives on multiscale modelling and experiments to accelerate materials development for fusion. In JOURNAL OF NUCLEAR MATERIALS, 2021, vol. 554, no., pp. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS
Ohlas: zahraničný
14. [1] YANG, Zhen - YANG, Junyuan - LIAO, Qing - XU, Shuai - LI, Bingsheng. Effect of helium concentration on irradiation damage of Fe-ion irradiated SIMP steel at 300 degrees C and 450 degrees C*. In CHINESE PHYSICS B, 2021, vol. 30, no. 5, pp. ISSN 1674-1056., Registrované v: WOS
Ohlas: zahraničný
15. [1] SEN, Huseyin Sener - DAGHBOUJ, Nabil - CALLISTI, Mauro - VRONKA, Marek - KARLIK, Miroslav - DUCHON, Jan - CECH, Jaroslav - LORINCIK, Jan - HAVRANEK, Vladimir - BABOR, Petr - POLCAR, Tomas. Interface-Driven Strain in Heavy Ion-Irradiated Zr/Nb Nanoscale Metallic Multilayers: Validation of Distortion Modeling via Local Strain Mapping. In ACS APPLIED MATERIALS & INTERFACES, 2022, vol. 14, no. 10, pp. 12777-12796. ISSN 1944-8244., Registrované v: WOS, CC, SCOPUS
Ohlas: zahraničný
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Ohlas: zahraničný
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Ohlas: zahraničný
18. [1] YOU, Guoqiang - WANG, Sili - ZHANG, Haiyun - LI, Weihong - GUO, Xueli - RU, Shangmin - LI, Bingsheng. Chemical Disorder in 6H-SiC Irradiated with Both He and Fe Ions Followed by 1500 degrees C Annealing: Electron Energy-Loss Spectroscopy Analysis. In CRYSTALS, 2022, vol. 12, no. 5, pp., Registrované v: WOS, CC
Ohlas: zahraničný
19. [1] DAGHBOUJ, N. - SEN, H. S. - CIZEK, J. - LORINCIK, J. - KARLIK, M. - CALLISTI, M. - CECH, J. - HAVRANEK, V. - LI, B. - KRŠJAK, V. - LIEDKE, M. O. - BUTTERLING, M. - WAGNER, A. - POLCAR, T. Characterizing heavy ions-irradiated Zr/Nb: Structure and mechanical properties. In: Materials and Design, 2022, vol. 219, no., pp. ISSN 0264-1275., Registrované v: WOS, CC, SCOPUS
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Ohlas: zahraničný
21. [1] BAO, Weichao - WANG, Xin-Gang - LU, Ying - LIU, Ji-Xuan - SUN, Shikuan - ZHANG, Guo-Jun - XU, Fangfang. Effect of native carbon vacancies on evolution of defects in ZrC1-x under He ion irradiation and annealing. In JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, 2022, vol. 119, no., pp. 87-97. ISSN 1005-0302., Registrované v: WOS, CC, SCOPUS
Ohlas: zahraničný
22. [1] MOHAN, Sruthi - RAMACHANDRAN, Renjith - DAVID, C. - AMARENDRA, G. Positron annihilation spectroscopic study of intrinsic and ion-irradiation induced vacancy defects in Zr-containing ODS steels with and without Al. In: Journal of Alloys and Compounds, 2022, vol. 920, no., pp. ISSN 0925-8388., Registrované v: WOS, CC, SCOPUS
Ohlas: zahraničný

V3_16

KRŠJAK, Vladimír - DEGMOVÁ, Jarmila - LAUKO, Richard - SNOPEK, Jozef - SARO, Matúš - SEDLAČKOVÁ, Katarína - SOJAK, Stanislav - PETRISKA, Martin - FARKAS, Gabriel - DAI, Yong-xiang - SLUGEŇ, Vladimír. Positron annihilation spectroscopy studies of irradiated Fe-based alloys using different radioisotope sources. In *Nuclear Instruments & Methods in Physics Research Section B - Beam Interactions with Materials and Atoms*. Vol. 434, (2018), s. 73-80. ISSN 0168-583X (2018: 1.210 - IF, Q3 - JCR Best Q, 0.518 - SJR, Q2 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-8505223840 ; CC: 000447577000013.
Kategória publikácie do 2021: ADC

Ohlasy:

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Ohlas: zahraničný
2. [1] LOGAN, J. V. - SHORT, M. P. - WEBSTER, P. T. - MORATH, C. P. More accurate parameterization of positron implantation depth profiles for the sensitivity range of positron-based characterization techniques. In JOURNAL OF APPLIED PHYSICS, 2020, vol. 128, no. 4, pp. ISSN 0021-8979., Registrované v: WOS, CC
Ohlas: zahraničný

V3_17

KRŠJAK, Vladimír - DEGMOVÁ, Jarmila - ŠIMEG VETERNÍKOVÁ, Jana - YAN, Cunfeng F. - DAI, Yong. Experimental comparison of the (ODS)EUROFER steels implanted by helium ions and irradiated in spallation neutron target. In *Journal of Nuclear Materials*. Vol. 523, (2019), s. 51-55. ISSN 0022-3115 (2019: 2.485 - IF, Q1 - JCR Best Q, 0.980 - SJR, Q1 - SJR Best Q). V databáze: CC: 000474215000007.
Kategória publikácie do 2021: ADC

Ohlasy:

1. [1] LIU, Haocheng - HUANG, Jia - WANG, Chenxu - XIA, Songqin - GE, Wei - LIU, Qingyuan - SU, Yue - GAO, Zhiying - ZHAO, Shuang - DU, Congcong - CAO, Liuxuan - SHEN, Tongde - WANG, Yugang. Effects of grain boundaries and nano-precipitates on helium bubble behaviors in lanthanum-doped nanocrystalline steel. In *SCRIPTA MATERIALIA*, 2021, vol. 200, no., pp. ISSN 1359-6462., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

2. [1] YANG, Shuang - CHEN, Jiming - CHEN, Peipei - FENG, Kaiming - LI, Quan. Effect of Cr₂AlC particle on the dispersion strengthening of CLF-1 steel. In *FUSION ENGINEERING AND DESIGN*, 2022, vol. 177, no., pp. ISSN 0920-3796., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

3. [1] JIA, Haodong - ZHANG, Ruiqian - LONG, Dijun - SUN, Yongduo - ZHOU, Zhangjian. Effect of zirconium content on mechanical properties of ODS FeCrAl alloy. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*, 2022, vol. 839, no., pp. ISSN 0921-5093., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

V3_18

KRŠJAK, Vladimír - SHEN, Tielong - DEGMOVÁ, Jarmila - SOJAK, Stanislav - KORPAS, Erik - NOGA, Pavol - EGGER, Werner - LI, Bingsheng - SLUGENĚ, Vladimír - GARNER, Frank A. On the helium bubble swelling in nano-oxide dispersion-strengthened steels. In *Journal of Materials Science and Technology*. Vol. 105, apríl (2022), s. 172-181. ISSN 1005-0302 (2021: 10.319 - IF, Q1 - JCR Best Q, 1.793 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1016/j.jmst.2021.08.004 ; WOS: 000797467000008 ; CC: 000797467000008 ; SCOPUS: 2-s2.0-85115816122.

Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC

Ohlasy:

1. [1] DOMINGUEZ-REYES, R. - MONGE, M. A. - GALIANA, B. - ORTEGA, Y. - MUNOZ, A. - CARRO-SEVILLANO, G. High-heat flux Cu-0.8Y alloys investigated by positron annihilation spectroscopy. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2022, vol. 900, no., pp. ISSN 0925-8388., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

2. [1] GE, Wei - ZHAO, Shijun - WANG, Chenxu - LIU, Haocheng - SU, Yue - HUANG, Jia - GAO, Zhiying - XUE, Jianming - WANG, Yugang. A Model for Dose Dependence of the Void Swelling in Electron-Irradiated Alloys. In *Metals*, 2022-02-01, 12, 2, pp., Registrované v: SCOPUS, WOS, CC

Ohlas: zahraničný

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Ohlas: zahraničný

4. [1] WANG, Renda - LI, Peng - LI, Bingsheng - HU, Lijuan - HUANG, Feng - HUANG, Qing - GE, Fangfang. The oxidation mechanisms of the Xe²⁰⁺ ion-irradiated Cr coatings on Zr alloy coupons: Accelerated diffusion and internal oxidation. In *CORROSION SCIENCE*, 2022, vol. 201, no., pp. ISSN 0010-938X., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

5. [1] KAUSHIK, G. Nischay - NAGINI, M. - REDDY, M. Surya Prakash - HEBALKAR, Neha Y. - VIJAY, R. - MURTY, B. S. Effect of Zr and ZrO₂ on aqueous corrosion behaviour of oxide dispersion strengthened 9Cr ferritic-martensitic steels. In *Materials Letters*, 2022, vol. 324, no., pp. ISSN 0167-577X., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

6. [1] MOHAN, Sruthi - RAMACHANDRAN, Renjith - DAVID, C. - AMARENDRA, G. Positron annihilation spectroscopic study of intrinsic and ion-irradiation induced vacancy defects in Zr-containing ODS steels with and without Al. In *Journal of Alloys and Compounds*, 2022-11-05, 920, pp. ISSN 09258388., Registrované v: SCOPUS, WOS, CC

Ohlas: zahraničný

V3_19

KRŠJAK, Vladimír - HRUŠKA, Petr - DEGMOVÁ, Jarmila - SOJAK, Stanislav - NOGA, Pavol - SHEN, Tielong - SABELOVÁ, Veronika - EGGER, Werner - SLUGENĚ, Vladimír. A new approach to near-surface positron annihilation analysis of ion irradiated ferritic alloys. In *Nanoscale Advances*. Vol. 3, iss. 23 (2021), s. 6596-6607. ISSN 2516-0230 (2021: 5.598 - IF, Q2 - JCR Best Q, 1.043 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1039/d1na00394a ; WOS: 000697470200001 ; CC: 000721703400001 ; SCOPUS: 2-s2.0-85117816795.

Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC

Ohlasy:

1. [1] KIM, Hyosim - CHANCEY, Matthew R. - CHUNG, Thaihang - BRACKENBURY, Ian - LIEDKE, Maciej O. - BUTTERLING, Maik - HIRSCHMANN, Eric - WAGNER, Andreas - BALDWIN, Jon K. - DERBY, Ben K. - LI, Nan - YANO, Kayla H. - EDWARDS, Danny J. - WANG, Yongqiang - SELIM, Farida A. Interface effect of Fe and FeIn₂/In₃ on the distributions of ion induced defects. In *Journal of Applied Physics*, 2022-09-14, 132, 10, pp. ISSN 00218979., Registrované v: SCOPUS, WOS, CC

Ohlas: zahraničný

V3_20

KRŠJAK, Vladimír - DEGMOVÁ, Jarmila - NOGA, Pavol - PETRISKA, Martin - SOJAK, Stanislav - SARO, Matúš - NEUHOLD, Igor - SLUGENĚ, Vladimír. Application of positron annihilation spectroscopy in accelerator-based irradiation experiment. In *Materials [elektronický zdroj]*. Vol. 14, iss. 21 (2021), Art. no. 6238 [30] s. ISSN 1996-1944 (2021: 3.748 - IF, Q1 - JCR Best Q, 0.604 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.3390/ma14216238 ; WOS: 000726563100001 ; CC: 000726563100001 ; SCOPUS: 2-s2.0-8511771960.

Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC

Ohlasy:

1. [1] LI, Jinquan - LAPTEV, Roman - BORDULEV, Iurii - SIEMEK, Krzysztof - HORODEK, Pawel - SHEN, Haolun -

	<p>LOMYGIN, Anton - CUI, Jian. Positron Annihilation Spectroscopy Study of Metallic Materials after High-Speed Cutting. In <i>Materials</i>, 2022-02-01, 15, 3, pp., Registrované v: SCOPUS</p> <p>Ohlas: zahraničný</p> <p>2. [1] ABHAYA, S. - RAJARAMAN, R. - DAVID, C. Positron beam studies on the irradiation response of FeCrCoNi upon He ion implantation. In <i>JOURNAL OF ALLOYS AND COMPOUNDS</i>, 2022, vol. 898, no., pp. ISSN 0925-8388., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p>
V3_21	<p>LI, Bingsheng - KRŠJAK, Vladimír - DEGMOVÁ, Jarmila - WANG, Zhiguang - SHEN, Tielong - LI, Hui - SOJAK, Stanislav - SLUGEN, Vladimír - KAWASUSO, Atsuo. Positron annihilation spectroscopy study of vacancy-type defects in He implanted polycrystalline α-SiC. In <i>Journal of Nuclear Materials</i>. Vol. 535, (2020), Art. no. 152180 [9] s. ISSN 0022-3115 (2020: 2.936 - IF, Q1 - JCR Best Q, 1.123 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1016/j.jnucmat.2020.152180 ; CC: 000542050900007 ; SCOPUS: 2-s2.0-85083817134.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] MUSTAFA, Dalia M. T. - ROSTAM, Sarkawt - AZIZ, Shujahadeen B. A Comparative Study on Structural, Morphological, and Tensile Properties of Binary and Ternary Epoxy Resin-Based Polymer Nanocomposites. In <i>ADVANCES IN MATERIALS SCIENCE AND ENGINEERING</i>, 2020, vol. 2020, no., pp. ISSN 1687-8434., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>2. [1] WANG, Yong - LIAO, Qing - LIU, Ming - ZHENG, Peng-Fei - GAO, Xinyu - JIA, Zheng - XU, Shuai - LI, Bing-Sheng. Optical spectroscopy study of damage evolution in 6H-SiC by H-2(+) implantation. In <i>CHINESE PHYSICS B</i>, 2021, vol. 30, no. 5, pp. ISSN 1674-1056., Registrované v: WOS, CC</p> <p>Ohlas: zahraničný</p> <p>3. [1] GLOGINJI, M. - ERICH, M. - KOKKORIS, M. - LIAROKAPIS, E. - FAZINIC, S. - KARLUSIC, M. - TOMIC, K. - PETROVIC, Luketic S. The quantitative 6H-SiC crystal damage depth profiling. In <i>JOURNAL OF NUCLEAR MATERIALS</i>, 2021, vol. 555, no., pp. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>4. [1] CLAY, Benjamin T. - DONNELLY, Stephen E. - GREAVES, Graeme. Observations of He platelets during He ion irradiation in 3C SiC. In <i>JOURNAL OF NUCLEAR MATERIALS</i>, 2022, vol. 559, no., pp. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>5. [1] LI, B. S. - SEN, H. S. - DAGHBOUJ, N. - ALMOTASEM, A. T. - LORINCIK, J. - KARLIK, M. - GE, F. F. - ZHANG, L. - SOFER, Z. - ELANTYEV, I. - CALLISTI, M. - POLCAR, T. Thermal behavior of iron in 6H-SiC: Influence of He-induced defects. In <i>SCRIPTA MATERIALIA</i>, 2022, vol. 218, no., pp. ISSN 1359-6462., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>6. [1] KLYM, Halyna - CALVEZ, Laurent - POPOV, Anatoli I. Free-Volume Extended Defects in Structurally Modified Ge-Ga-S/Se Glasses. In <i>PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS</i>, 2022, vol., no., pp. ISSN 0370-1972., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p>
V3_22	<p>MIGLIERINI, Marcel - DEGMOVÁ, Jarmila - KAŇUCH, Tomáš. Relationship between Nanostructure and Magnetic Behaviour in Nanocrystalline Fe76Mo8Cu15 Alloy. In <i>Czechoslovak Journal of Physics</i>. Vol. 54, Suppl. D (2004), s.s. D161-164. ISSN 0011-4626 (2004: 0.292 - IF, Q4 - JCR Best Q, 0.255 - SJR, Q3 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADC</p>
V3_23	<p>MIGLIERINI, Marcel - DEGMOVÁ, Jarmila - KAŇUCH, Tomáš - GRENECHE, Jean-Marc. Temperature Dependence of Magnetic Microstructure in Fe76Mo8Cu1B15 Nanocrystalline Alloy. In <i>Physica Status Solidi (A)-Applications and Materials Science</i>. Vol. 201, No. 15 (2004), s.3280-3284. ISSN 1862-6300 (2004: 0.719 - SJR, Q1 - SJR Best Q). V databáze: WOS.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] FRANCO, V. - CONDE, A. - KISS, L.F. - CONDE, C. F. Enhanced magnetocaloric response in Cr/Mo containing Nanoperm-type amorphous alloys. 2007, vol. 90In <i>Applied Physics Letters</i>.</p> <p>Ohlas: zahraničný</p> <p>2. [1] FRANCO, V. - CONDE, C. F. - CONDE, A. - KISS, L.F. Relationship between coercivity and magnetic moment of superparamagnetic particles with dipolar intercation. In <i>Physical Review B</i>, 2005, vol. 72, s.174424.</p> <p>Ohlas: zahraničný</p>
V3_24	<p>MITROVIČ, N. - ROTH, Siegmara - DEGMOVÁ, Jarmila - STOICA, M. - ECKERT, Jurgen. Synthesis, Structure and Properties of Iron-Based Bulk Glass-Forming Metallic Alloys Prepared by Different Processing. In <i>Materials Science Forum</i>. Vol. 494 (2005), s.321-326 (http://www. ISSN 0255-5476 (2005: 0.399 - IF, Q4 - JCR Best Q, 0.416 - SJR, Q2 - SJR Best Q)).</p> <p>Kategória publikácie do 2021: ADC</p>
V3_25	<p>ROTH, Siegmara - STOICA, M. - DEGMOVÁ, Jarmila - GAITZSCH U. - ECKERT, Jurgen - SCHULTZ, L. Fe-Based Bulk Amorphous Soft Magnetic Materials. In <i>Journal of Magnetism and Magnetic Materials</i>. Vol. 304, (2006), s. 196-196. ISSN 0304-8853 (2006: 1.212 - IF, Q2 - JCR Best Q, 0.838 - SJR, Q2 - SJR Best Q). V databáze: WOS: 000238798800013.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] SERBAN, V.A. - CODREAN, C. - UTU, I.D. - ERCUTA, A. Fe-based Bulk Metallic Glasses Used for Magnetic Shielding - art. no. 012037. Dresden, 2008In 13th International Conference on Rapidly Quenched & Metastable Materials (RQ13) : 24-29 August 2008, Dresden, Germany, s.art. No 12037. V databáze: WOS., Registrované v: WOS</p>

Ohlas: zahraničný

2. [1] SERBAN, V.A. - CODREAN, C. - UTU, I.D. Bulk amorphous soft magnetic iron based alloy with mechanical strength and corrosion resistance. In Key Engineering Materials, 2009, vol. 399, s.37-42.

Ohlas: zahraničný

3. [1] WANG, W.M. - ZHANG, Wen-Xiu - GEBERT, Annett - ET AL. Microstructure and Magnetic Properties in Fe₆₁Co_{9-x}Zr₈Mo₅W_x B-17 (0 a parts per thousand currency sign x a parts per thousand currency sign 3) Glasses and Glass-Matrix Composites. In Metallurgical and materials transactions A-physical metallurgy and materials science, 2009, vol. 40, s.511-521. V databáze: WOS., Registrované v: WOS

Ohlas: zahraničný

4. [1] EKAMBARAM, R. - THAMBURAJA, P. - YANG, Hongjiu - LI, Y. - NIKABDULLAH, N. The multi-axial deformation behavior of bulk metallic glasses at high homologous temperatures. In International Journal of Solids and Structures, 2010, vol. 47, no. 5, s.678-690.

Ohlas: zahraničný

5. [1] GAVRILOVIC, Aleksandra - RAFILOVIC, L. D. - ARTNER, W. - WOSIK, J. - WHITEHEAD, A. H. The Corrosion Behavior of Amorphous and Nanocrystalline Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ Alloy. In Corrosion Science, 2011, vol. 53, iss. 7, s.2400-2405.

Ohlas: zahraničný

6. [1] BLAZQUEZ, J. S. - IPUS, J.J. - LOZANO-PEREZ, S. - CONDE, A. Metastable Soft Magnetic Materials Produced by Mechanical Alloying: Analysis Using an Equivalent Time Approach. In JOM, 2013, vol. 65, iss. 7, s.870-882. V databáze: WOS., Registrované v: WOS

Ohlas: zahraničný

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Ohlas: zahraničný

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Ohlas: zahraničný

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Ohlas: zahraničný

V3_38

ŠIMEG VETERNÍKOVÁ, Jana - DEGMOVÁ, Jarmila - SABELOVÁ, Veronika - PETRISKA, Martin - SLUGEŇ, Vladimír. Surface study of radiation damaged oxide dispersion strengthened steels. In *Applied Surface Science*. Vol. 312 (2014), s. 199-202. ISSN 0169-4332 (2014: 2.711 - IF, Q1 - JCR Best Q, 0.948 - SJR, Q1 - SJR Best Q).

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3. [1] PAVLOVIC, Marius - HAMMERLE, Andreas. Ranges of protons in biological targets. In *JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS*, 2017, vol. 68, no. 4, pp. 306-311. ISSN 1335-3632., Registrované v: WOS
Ohlas: domáci
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Ohlas: zahraničný
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Ohlas: zahraničný

V3_39

ŠIMEG VETERNÍKOVÁ, Jana - KORHONEN, E. - SKARBA, Michal - DEGMOVÁ, Jarmila - SABELOVÁ, Veronika - SOJAK, Stanislav - SLUGEŇ, Vladimír. Study of oxide-dispersion-strengthened ferritic steels after ion implantation. In *Acta Physica Polonica A : Proceedings of the 41st Polish Seminar on Positron Annihilation, Lublin, 9-13 Sept. 2013*. Vol. 125, iss. 3 (2014), s. 741-743. ISSN 0587-4246 (2014: 0.530 - IF, Q4 - JCR Best Q, 0.268 - SJR, Q3 - SJR Best Q). V databáze: WOS ; SCOPUS.

Kategória publikácie do 2021: ADC

Ohlasy:

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Ohlas: zahraničný

V3_40

ŠIMEG VETERNÍKOVÁ, Jana - DEGMOVÁ, Jarmila - PEKARČÍKOVÁ, Marcela - ŠIMKO, František - PETRISKA, Martin - SKARBA, Michal - MIKULA, Peter - PUPALA, Martin. Thermal stability study for candidate stainless steels of GEN IV reactors. In *Applied Surface Science*. Vol. 387, (2016), s. 965-970. ISSN 0169-4332 (2016: 3.387 - IF, Q1 - JCR Best Q, 0.958 - SJR, Q1 - SJR Best Q). V databáze: CC: 000381251100118 ; WOS ; SCOPUS: 2-s2.0-84978271672 ; MLJ.

Kategória publikácie do 2021: ADC

Ohlasy:

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Ohlas: domáci
2. [1] MONTEIRO, Sergio Neves - CASSIANO NASCIMENTO, Lucio Fabio - LIMA, Edio Pereira, Jr. - DA LUZ, Fernanda Santos - LIMA, Eduardo Sousa - BRAGA, Fabio de Oliveira. Strengthening of stainless steel weldment by high temperature precipitation. In *JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T*, 2017, vol. 6, no. 4, pp. 385-389. ISSN 2238-7854., Registrované v: SCOPUS, CC, WOS
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V3_41 VETERNÍKOVÁ, Jana - CHUDÝ, Michal - SLUGEŇ, Vladimír - EISTERER, M. - WEBER, H.W. - SOJAK, Stanislav - PETRISKA, Martin - HINCA, Róbert - DEGMOVÁ, Jarmila - SABELOVÁ, Veronika. Positron Annihilation Lifetime Spectroscopy Study of Neutron Irradiated High Temperature Superconductors YBa(2)Cu(3)O(7-delta) for Application in Fusion Facilities. In *Journal of Fusion Energy*. Vol. 31 (2012), s.89-95. ISSN 0164-0313 (2012: 1.000 - IF, Q2 - JCR Best Q, 0.458 - SJR, Q2 - SJR Best Q).

Kategória publikácie do 2021: ADC

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Ohlas: zahraničný

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Ohlas: zahraničný

3. [1] YABUUCHI, Atsushi - OZAKI, Toshinori - SAKANE, Hitoshi - OKAZAKI, Hiroyuki - KOSHIKAWA, Hiroshi - YAMAMOTO, Shunya - YAMAKI, Tetsuya. Characterization of the effect of ion irradiation on industrially produced GdBa2Cu3O7-delta superconducting tapes using a slow positron beam. In *APPLIED PHYSICS EXPRESS*, 2020, vol. 13, no. 12, pp. ISSN 1882-0778., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

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Ohlas: zahraničný

V3_42 VETERNÍKOVÁ, Jana - DEGMOVÁ, Jarmila - KILPELÄINEN, Simo - SLUGEŇ, Vladimír - TUOMISTO, Filip - RÄISÄNEN, Jyrki - KRŠJAK, Vladimír - PETRISKA, Martin - SOJAK, Stanislav - HINCA, Róbert - STACHO, Matúš. Non-Destructive Examination of Helium Implanted HTRs Construction Materials. In *Nuclear Engineering and Design*. Vol. 251 (2012), s.354-359. ISSN 0029-5493 (2012: 0.805 - IF, Q3 - JCR Best Q, 0.752 - SJR, Q1 - SJR Best Q).

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Ohlas: zahraničný

V3_43 VETERNÍKOVÁ, Jana - DEGMOVÁ, Jarmila - ŠIMKO, František - PEKARČÍKOVÁ, Marcela - SOJAK, Stanislav - SLUGEŇ, Vladimír. Positron study of steel NF 709 after irradiation and thermal strain. In *Nuclear Instruments & Methods in Physics Research Section B - Beam Interactions with Materials and Atoms*. Vol. 365, Part. A, (2015), s. 309-312. ISSN 0168-583X (2015: 1.389 - IF, Q1 - JCR Best Q, 0.722 - SJR, Q1 - SJR Best Q). V databáze: MLJ ; CC: 000366786900069 ; SCOPUS ; WOS.

Kategória publikácie do 2021: ADC

Ohlasy:

1. [1] PAVLOVIC, Marius - HAMMERLE, Andreas. Ranges of protons in biological targets. In *JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS*, 2017, vol. 68, no. 4, pp. 306-311. ISSN 1335-3632., Registrované v: SCOPUS, WOS

Ohlas: domáci

P1 Pedagogický výstup publikačnej činnosti ako celok

P1_01 DEGMOVÁ, Jarmila. *Ekológia a jadrové zariadenia : Skriptum pre Postgraduálne rekvalifikačné štúdium: Vyradovanie jadrových zariadení*. Bratislava : FEI STU, 2011. 78 s.

Kategória publikácie do 2021: BCI

P1_02 SITEK, Jozef - DEGMOVÁ, Jarmila. *Environmentalistika. Environmentalistics*. 1. vyd. Bratislava : Nakladateľstvo STU, 2015. 288 s. ISBN 978-80-227-4324-2.

Kategória publikácie do 2021: BCI

O2 Odborný výstup publikačnej činnosti ako časť knižnej publikácie alebo zborníka

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