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Pozícia na projekte	Vedecko-výskumný pracovník
Vedecké identifikátory	WoS (Researcher ID): DSP-0808-2022, Scopus (AuthorID): 55851947569, ORCID: 0000-0002-4634-9131
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 - 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
V3 Vedecký výstup publikačnej činnosti z časopisu	
V3_01	BRODZIANSKY, Tomáš - SLUGENĚ, Vladimír - SOJAK, Stanislav - PETRISKA, Martin - KONSTANTINOVICĚ, M. J. Effect of the initial microstructure on defect evolution in neutron irradiated Fe-Cr-C alloys. In <i>Acta Physica Polonica A</i> . Vol. 132, No. 5 (2017), s. 1590-1592. ISSN 0587-4246 (2017: 0.857 - IF, Q3 - JCR Best Q, 0.335 - SJR, Q3 - SJR Best Q). V databáze: CC: 000417870500035 ; SCOPUS: 2-s2.0-85037982306. Kategória publikácie do 2021: ADC
V3_02	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. Kategória publikácie do 2021: ADC Ohlasy: 1. [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 Ohlas: zahraničný 2. [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 Ohlas: zahraničný 3. [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 Ohlas: zahraničný
V3_03	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. Kategória publikácie do 2021: ADC Ohlasy: 1. [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 Ohlas: zahraničný 2. [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 Ohlas: zahraničný
V3_04	CHUDÝ, Michal - EISTERER, M. - WEBER, H.W. - VETERNÍKOVÁ, Jana - SOJAK, Stanislav - SLUGENĚ, Vladimír. Point Defects in YBa(2)Cu(3)O(7-x) Studied Using Positron Annihilation. In <i>Superconductor Science and Technology</i> . Vol. 25, Iss. 7 (2012), s.Art. No. 075017 [5] p. ISSN 0953-2048 (2012: 2.758 - IF, Q1 - JCR Best Q, 1.535 - SJR, Q1 - SJR Best Q). Kategória publikácie do 2021: ADC Ohlasy: 1. [1] GOZZELINO, Laura - GERBALDO, Roberto - GHIGO, Gianluca - LAVIANO, Francesco - TAMEGAI, Tsuyoshi. Effects of 250 MeV Au-ion Irradiation on the Superconducting Properties of Ba1-xKxFe2As2 Single Crystals. In <i>MRS ADVANCES</i> , 2016, vol. 1, no. 51, pp. 3447-3458. ISSN 2059-8521., Registrované v: WOS Ohlas: zahraničný 2. [1] JIRSA, Milos - RAMES, Michal - DURAN, Ivan - VIERERBL, Ladislav. Effect of Neutron Irradiation on Critical Currents of REBaCuO Superconducting Tapes Considered for Magnets in Fusion Reactors. In <i>IEEE</i>

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V3_05

KRŠJAK, Vladimír - DEGMOVÁ, Jarmila - SOJAK, Stanislav - SLUGENŤ, 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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Ohlasy:

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Ohlas: zahraničný

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4. [1] DAGHBOUJ, N. - LI, B. S. - CALLISTI, M. - SEN, H. S. - LIN, J. - OU, X. - KARLIK, M. - POLCAR, T. The structural evolution of light-ion implanted 6H-SiC single crystal: Comparison of the effect of helium and hydrogen. In ACTA MATERIALIA, 2020, vol. 188, no., pp. 609-622. ISSN 1359-6454., Registrované v: WOS, CC, SCOPUS

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6. [1] ZHU XIAO-HUI - LIU XIANG-BING - WANG RUN-ZHONG - WANG HUI - LIU WEN-QING. Hardening effects of He irradiation on Fe-Cu alloy. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, 2020, vol. 479, no., pp. 211-216. ISSN 0168-583X., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

7. [1] ZHAO, Shangquan - RAN, Guang - GUO, Yijia - HAN, Qing - LIU, Shanshan - GAO, Fei. Study on the mechanism of helium platelets formation at low temperatures in SiC from the perspective of atomic diffusion. In JOURNAL OF NUCLEAR MATERIALS, 2020, vol. 542, no., pp. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS

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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10. [1] WANG, Yong - ZHANG, Tongmin - LIAO, Qing - YANG, Junyuan - GU, Weigang - REN, Yongfei - JIA, Zheng

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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
12. [1] WU, Zhong-Hang - BAI, Ju-Ju - ZHANG, Di-Da - HUANG, Gang - ZHU, Tian-Bao - CHANG, Xi-Jiang - LIU, Ren-Duo - LIN, Jun - SUN, Jiu-Ai. Statistical analysis of helium bubbles in transmission electron microscopy images based on machine learning method. In NUCLEAR SCIENCE AND TECHNIQUES, 2021, vol. 32, no. 5, pp. ISSN 1001-8042., Registrované v: WOS
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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
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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. - KRSJAK, 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
20. [1] AUGUSTE, R. - CHAN, H. L. - ROMANOVSKAIA, E. - QIU, J. - SCHOELL, R. - LIEDKE, M. O. - BUTTERLING, M. - HIRSCHMANN, E. - ATTALLAH, A. G. - WAGNER, A. - SELIM, F. A. - KAOUIMI, D. - UBERUAGA, B. P. - HOSEMANN, P. - SCULLY, J. R. A multimodal approach to revisiting oxidation defects in Cr2O3. In: npj Materials Degradation, 2022, vol. 6, no. 1, pp., Registrované v: WOS, CC, SCOPUS
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_06

KRŠJAK, Vladimír - DEGMOVÁ, Jarmila - LAUKO, Richard - SNOPEK, Jozef - SARO, Matúš - SEDLAČKOVÁ, Katarína - SOJAK, Stanislav - PETRISKA, Martin - FARKAS, Gabriel - DAI, Yong-xiang - SLUGEN, 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-s2.0-85052223840 ; CC: 000447577000013.
Kategória publikácie do 2021: ADC

Ohlasy:

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	<p>Ohlas: zahraničný</p> <p>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 <i>JOURNAL OF APPLIED PHYSICS</i>, 2020, vol. 128, no. 4, pp. ISSN 0021-8979., Registrované v: WOS, CC</p> <p>Ohlas: zahraničný</p>
V3_07	<p>KRŠJAK, Vladimír - SHEN, Tielong - DEGMOVÁ, Jarmila - SOJAK, Stanislav - KORPAS, Erik - NOGA, Pavol - EGGER, Werner - LI, Bingsheng - SLUGEN, Vladimír - GARNER, Frank A. On the helium bubble swelling in nano-oxide dispersion-strengthened steels. In <i>Journal of Materials Science and Technology</i>. 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.</p> <p>Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>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 <i>JOURNAL OF ALLOYS AND COMPOUNDS</i>, 2022, vol. 900, no., pp. ISSN 0925-8388., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>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 <i>Metals</i>, 2022-02-01, 12, 2, pp., Registrované v: SCOPUS, WOS, CC</p> <p>Ohlas: zahraničný</p> <p>3. [1] ZHU, Xiaohan - LI, Xiaochen - ZHENG, Mingjie. Predicting the Irradiation Swelling of Austenitic and Ferritic/Martensitic Steels, Based on the Coupled Model of Machine Learning and Rate Theory. In <i>Metals</i>, 2022-04-01, 12, 4, pp., Registrované v: SCOPUS, WOS, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>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 <i>CORROSION SCIENCE</i>, 2022, vol. 201, no., pp. ISSN 0010-938X., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>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: <i>Materials Letters</i>, 2022, vol. 324, no., pp. ISSN 0167-577X., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>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 <i>Journal of Alloys and Compounds</i>, 2022-11-05, 920, pp. ISSN 09258388., Registrované v: SCOPUS, WOS, CC</p> <p>Ohlas: zahraničný</p>
V3_08	<p>KRŠJAK, Vladimír - HRUŠKA, Petr - DEGMOVÁ, Jarmila - SOJAK, Stanislav - NOGA, Pavol - SHEN, Tielong - SABELOVÁ, Veronika - EGGER, Werner - SLUGEN, Vladimír. A new approach to near-surface positron annihilation analysis of ion irradiated ferritic alloys. In <i>Nanoscale Advances</i>. 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.</p> <p>Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>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/infOinf3/infon the distributions of ion induced defects. In: <i>Journal of Applied Physics</i>, 2022-09-14, 132, 10, pp. ISSN 00218979., Registrované v: SCOPUS, WOS, CC</p> <p>Ohlas: zahraničný</p>
V3_09	<p>KRŠJAK, Vladimír - DEGMOVÁ, Jarmila - NOGA, Pavol - PETRISKA, Martin - SOJAK, Stanislav - SARO, Matúš - NEUHOLD, Igor - SLUGEN, Vladimír. Application of positron annihilation spectroscopy in accelerator-based irradiation experiment. In <i>Materials [elektronický zdroj]</i>. 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-s2.0-85117771960.</p> <p>Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] LI, Jinquan - LAPTEV, Roman - BORDULEV, Iurii - SIEMEK, Krzysztof - HORODEK, Pawel - SHEN, Haolun - 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_10	<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</p>

	<p>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> <ol style="list-style-type: none"> [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 Ohlas: zahraničný [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 Ohlas: zahraničný [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 Ohlas: zahraničný [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 Ohlas: zahraničný [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 Ohlas: zahraničný [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 Ohlas: zahraničný
V3_11	<p>PECKO, Stanislav - SOJAK, Stanislav - SLUGEŇ, Vladimír. Comparative study of irradiated and hydrogen implantation damaged German RPV steels from PAS point of view. In <i>Applied Surface Science</i>. Vol. 312 (2014), s. 172-175. ISSN 0169-4332 (2014: 2.711 - IF, Q1 - JCR Best Q, 0.948 - SJR, Q1 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] SHI, J. J. - ZHAO, W. Z. - WU, Y. C. - LIU, X. B. - JIANG, J. Characterization of proton-irradiated Chinese A508-3-type reactor pressure vessel steel by slow positron beam, TEM, and nanoindentation. In <i>NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS</i>, 2019, vol. 443, no., pp. 62-69. ISSN 0168-583X., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný [1] SHI, J. J. - YANG, W. - ZHU, Z. J. - LIU, X. B. - JIANG, J. - WANG, R. S. - WU, Y. C. Slow positron beam study of highly irradiated RPV steel under proton and ion impact. In <i>RADIATION PHYSICS AND CHEMISTRY</i>, 2019, vol. 156, no., pp. 199-204. ISSN 0969-806X., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný [1] KRŠIAK, V - DEGMOVA, J. - VETERNIKOVA, J. Simeg - YAO, C. F. - DAI, Y. Experimental comparison of the (ODS)EUROFER steels implanted by helium ions and irradiated in spallation neutron target. In <i>JOURNAL OF NUCLEAR MATERIALS</i>, 2019, vol. 523, no., pp. 51-55. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný [1] AMINI, Maryam - AZADEGAN, Behnam - AKBARZADEH, Hamed - GHARAEI, Reza. The role of carbon allotropes on the radiation resistance of Cu-based nanocomposites: An atomistic, energetic, and thermodynamic perspective. In <i>COMPUTATIONAL MATERIALS SCIENCE</i>, 2022, vol. 211, no., pp. ISSN 0927-0256., Registrované v: WOS, CC Ohlas: zahraničný
V3_12	<p>PECKO, Stanislav - SOJAK, Stanislav - SLUGEŇ, Vladimír. Comparison of irradiated and hydrogen implanted German RPV steels using PAS technique. In <i>Nuclear Instruments & Methods in Physics Research Section B - Beam Interactions with Materials and Atoms</i>. Vol. 365, Part. A, (2015), s. 222-224. ISSN 0168-583X (2015: 1.389 - IF, Q1 - JCR Best Q, 0.722 - SJR, Q1 - SJR Best Q). V databáze: CC: 000366786900050.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] NOGA, Pavol - DOBROVODSKY, Jozef - VANA, Dusan - BENO, Matus - ZAVACKA, Anna - MUSKA, Martin - HALGAS, Radoslav - MINARIK, Stanislav - RIEDLMAJER, Robert. A new ion-beam laboratory for materials research at the Slovak University of Technology. In <i>NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS</i>, 2017, vol. 409, no., pp. 264-267. ISSN 0168-583X., Registrované v: WOS, SCOPUS Ohlas: zahraničný
V3_13	<p>PECKO, Stanislav - PETRISKA, Martin - SOJAK, Stanislav - SLUGEŇ, Vladimír. Positron annihilation lifetime study of JRQ and JPA irradiated and annealed reactor pressure vessel steels. In <i>Progress in Nuclear Energy</i>. Vol. 87, (2016), s. 15-19. ISSN</p>

	<p>0149-1970 (2016: 1.313 - IF, Q2 - JCR Best Q, 1.085 - SJR, Q1 - SJR Best Q). V databáze: CC: 000369201300002. Kategória publikácie do 2021: ADC Ohlasy: 1. [1] LIN, Weiming - WANG, Wei - ZHU, Shijuan - CHEN, Zishan - FAN, Chuanwei. Concurrent (Fe,Mo)₂C carbides and Cu-rich clusters precipitation in ferritic steel containing copper during aging. In <i>PHILOSOPHICAL MAGAZINE</i>, 2022, vol., no., pp. ISSN 1478-6435., Registrované v: WOS Ohlas: zahraničný</p>
V3_14	<p>PETRISKA, Martin - SOJAK, Stanislav - SLUGENĚ, Vladimír. Positron lifetime setup based on DRS4 evaluation board. In <i>Journal of Physics: Conference Series : 13th International workshop on Slow Positron Beam Techniques and Applications, SLOPOS 2013, Munich, Germany 15 - 20 September 2013</i>. Vol. 505, iss. 1 (2014), art. no. 012044, [4] p. ISSN 1742-6588 (2014: 0.264 - SJR, Q3 - SJR Best Q). Kategória publikácie do 2021: ADM Ohlasy: 1. [1] BOSNAR, D. - Durdevic, B. - Pavelic, L. - Bosnar, S. - Pujari, PK - Sudarshan, K - Dutta, D. Triple coincidence PALS setup based on fast pulse digitizers. In <i>11TH INTERNATIONAL WORKSHOP ON POSITRON AND POSITRONIUM CHEMISTRY (PPC-11)</i>, 2015, vol. 618, no., pp. ISSN 1742-6588., Registrované v: WOS, SCOPUS Ohlas: zahraničný 2. [1] PETSCHKE, Danny - STAAB, Torsten E. M. DLTPulseGenerator: A library for the simulation of lifetime spectra based on detector-output pulses. In <i>SOFTWAREX</i>, 2018, vol. 7, no., pp. 122-128. ISSN 2352-7110., Registrované v: WOS, SCOPUS Ohlas: zahraničný 3. [1] TAYLOR, C. N. - FUERST, T. F. - SHIMADA, M. Characterization of Coincidence Doppler Broadening and Positron Annihilation Lifetime Systems at INL. In <i>18TH INTERNATIONAL CONFERENCE ON POSITRON ANNIHILATION (ICPA-18)</i>, 2019, vol. 2182, no., pp. ISSN 0094-243X., Registrované v: WOS, SCOPUS Ohlas: zahraničný 4. [1] PETSCHKE, Danny - HELM, Ricardo - STAAB, Torsten E. M. Data on pure tin by Positron Annihilation Lifetime Spectroscopy (PALS) acquired with a semi-analog/digital setup using DDRS4PALS. In <i>DATA IN BRIEF</i>, 2019, vol. 22, no., pp. 16-29. ISSN 2352-3409., Registrované v: WOS, SCOPUS Ohlas: zahraničný 5. [1] PETSCHKE, Danny - STAAB, Torsten E. M. DDRS4PALS: A software for the acquisition and simulation of lifetime spectra using the DRS4 evaluation board. In <i>SOFTWAREX</i>, 2019, vol. 10, no., pp. ISSN 2352-7110., Registrované v: WOS, SCOPUS Ohlas: zahraničný 6. [1] GE, J. J. - XUE, Z. W. - CONG, L. H. - LIANG, H. Development of a TDC-based digital positron annihilation lifetime spectrometer. In <i>JOURNAL OF INSTRUMENTATION</i>, 2020, vol. 15, no. 3, pp. ISSN 1748-0221., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný 7. [1] TAYLOR, Chase N. - SHIMADA, Masashi - WATKINS, Joseph M. - HU, Xunxiang - OYA, Yasuhisa. Neutron irradiated tungsten bulk defect characterization by positron annihilation spectroscopy. In <i>NUCLEAR MATERIALS AND ENERGY</i>, 2021, vol. 26, no., pp., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný 8. [1] TAYLOR, Chase N. - URBAN-KLAEHN, Jagoda - LE, Thuy T. - ZALESKI, Radoslaw - RIMER, Jeffrey D. - GERING, Kevin L. Catalyst Deactivation Probed by Positron Annihilation Spectroscopy. In <i>ACS CATALYSIS</i>, 2021, vol. 11, no. 24, pp. 14967-14976. ISSN 2155-5435., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný 9. [1] GE, J. J. - CONG, L. H. - XUE, Z. W. - LIANG, H. A four-channel coincidence digital positron annihilation lifetime spectrometer. In <i>NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT</i>, 2022, vol. 1033, no., pp. ISSN 0168-9002., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný</p>
V3_15	<p>RAUCH, C. - REURINGS, Floris - TUOMISTO, Filip - VEAL, T.D. - MCCONVILLE, C.F. - LU, H. - SCHAFF, William J. - GALLINAT, C.S. - KOBLMÜLLER, G. - SPECK, J.S. - EGGER, Werner - LÖWE, Benjamin - RAVELLI, Luca - SOJAK, Stanislav. In-vacancies in Si-doped InN. In <i>Physica Status Solidi (A)-Applications and Materials Science</i>. Vol. 207 (2010), s.1083-1086. ISSN 1862-6300 (2010: 1.463 - IF, Q2 - JCR Best Q, 0.871 - SJR, Q1 - SJR Best Q). Kategória publikácie do 2021: ADC Ohlasy: 1. [1] ZHAO, Songrui - MI, Zetian - KIBRIA, Md Golam - LI, Qiming - WANG, George. Understanding the Role of Si Doping on Surface Charge and Optical Properties: Photoluminescence Study of Intrinsic and Si-Doped InN Nanowires. In <i>Physical Review B. Condensed Matter and Materials Physics</i>, 2012, vol. 85, iss. 24, s.Art. No. 245313. Ohlas: zahraničný 2. [1] LAI, F.-I. - KUO, S.-Y. - LIN, W.-T. - CHEN, W.-C. - HSIAO, C.-N. - LIU, Y.-K. - SHEN, J.-L. Photoluminescence studies of indium nitride films grown on oxide buffer by metalorganic molecular-beam epitaxy. In <i>Journal of Crystal Growth</i>, 2011, vol. 320, iss. 1, s.32-35. Ohlas: zahraničný</p>
V3_16	<p>REURINGS, Floris - TUOMISTO, Filip - EGGER, Werner - LÖWE, Benjamin - RAVELLI, Luca - SOJAK, Stanislav - LILIENTAL-WEBER, Zuzanna - JONES, Rebecca E. - YU, Kin M. - WALUKIEWICZ, Wlodek - SCHAFF, William J. Irradiation-Induced Defects in InN and GaN studied with Positron Annihilation. In <i>Physica Status Solidi (A)-Applications and Materials Science</i>.</p>

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V3_17	<p>SLUGEŇ, Vladimír - KRŠJAK, Vladimír - EGGER, Werner - PETRISKA, Martin - SOJAK, Stanislav - VETERNÍKOVÁ, Jana. Fe-Cr Alloys behavior after Helium Implantation. In <i>Journal of Nuclear Materials</i>. Vol. 409 (2011), s.163-166. ISSN 0022-3115 (2011: 2.052 - IF, Q1 - JCR Best Q, 0.889 - SJR, Q1 - SJR Best Q). Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] KOEGLER, R. - ANWAND, W. - RICHTER, A. - BUTTERLING, M. - OU, A. Xin - WAGNER, A. - CHEN, C. -L. Nanocavity Formation and Hardness Increase by Dual Ion Beam Irradiation of Oxide Dispersion Strengthened FeCrAl Alloy. In <i>Journal of Nuclear Materials</i>, 2012, vol. 427, iss. 1-3, s.133-139. Ohlas: zahraničný [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 [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 [1] DING, Jianhua - ZHANG, Pengbo - SUN, Dan - WANG, Yuanyuan - HUANG, Shaosong - ZHAO, Jijun. Energetics of helium-vacancy complexes in Fe-9Cr alloys from first-principles calculations. In <i>JOURNAL OF NUCLEAR MATERIALS</i>, 2019, vol. 513, no., pp. 143-151. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný [1] WAN, Lei - WANG, Qingqing - YE, Xiaoqi - CAO, Xingzhong - JIN, Shuoxue - GAO, Tao. Stability and energetics of HenVm complexes in Fe-Cr alloys: Ab initio study. In <i>MATERIALS CHEMISTRY AND PHYSICS</i>, 2020, vol. 253, no., pp. ISSN 0254-0584., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný [1] SELIM, F. A. Positron annihilation spectroscopy of defects in nuclear and irradiated materials- a review. In <i>MATERIALS CHARACTERIZATION</i>, 2021, vol. 174, no., pp. ISSN 1044-5803., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný
V3_18	<p>SLUGEŇ, Vladimír - HEIN, H. - SOJAK, Stanislav - EGGER, Werner - PAVÚK, Milan - VETERNÍKOVÁ, Jana - PETRISKA, Martin - SABELOVÁ, Veronika - HINCA, Róbert. Microstructural Examination of Reactor Pressure Vessel Steels by Positron Annihilation Point of View. In <i>Progress in Nuclear Energy</i>. Vol. 62 (2013), s.1-7. ISSN 0149-1970 (2013: 0.879 - IF, Q3 - JCR Best Q, 0.969 - SJR, Q1 - SJR Best Q). Kategória publikácie do 2021: ADC</p>
V3_19	<p>SLUGEŇ, Vladimír - HEIN, H. - SOJAK, Stanislav - VETERNÍKOVÁ, Jana - PETRISKA, Martin - SABELOVÁ, Veronika - PAVÚK, Milan - HINCA, Róbert - STACHO, Matúš. Evaluation of the Reactor Pressure Vessel Steels by Positron Annihilation. In <i>Journal of Nuclear Materials</i>. Vol. 442 (2013), s.490-506. ISSN 0022-3115 (2013: 2.016 - IF, Q1 - JCR Best Q, 0.890 - SJR, Q1 - SJR Best Q). Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <ol style="list-style-type: none"> [1] Fekete, Balazs - Kasl, Josef - Jandova, Dagmar - Jóni, Bertalan - Misják, Fanni - Trampus, Peter. Low cycle thermomechanical fatigue of reactor steels: Microstructural and fractographic investigations. In <i>Materials Science and Engineering A</i>, 2015-07-09, 640, pp. 357-374. ISSN 09215093., Registrované v: SCOPUS, WOS Ohlas: zahraničný [1] FEKETE, Balazs - Trampus, Peter. Isothermal and thermal-mechanical fatigue of VVER-440 reactor pressure vessel steels. In <i>JOURNAL OF NUCLEAR MATERIALS</i>, 2015, vol. 464, no., pp. 394-404. ISSN 0022-3115., Registrované v: WOS, SCOPUS Ohlas: zahraničný [1] WAGNER, A. - Bergner, F. - Chaouadi, R. - Hein, H. - Hernandez-Mayoral, M. - Serrano, M. - Ulbricht, A. - Altstadt, E. Effect of neutron flux on the characteristics of irradiation-induced nanostructures and hardening in pressure vessel steels. In <i>ACTA MATERIALIA</i>, 2016, vol. 104, no., pp. 131-142. ISSN 1359-6454., Registrované v: WOS, SCOPUS Ohlas: zahraničný [1] FEKETE, Balazs - TRAMPUS, Peter - JANDOVA, Dagmar - KASL, Josef - JONI, Bertalan - MISJAK, Fanni - RADNOCZI, Gyoergy. Low cycle thermomechanical fatigue of VVER-440 reactor pressure vessel steels: Investigation the fatigue kinetics and development of a life assessment model. In <i>21ST EUROPEAN CONFERENCE ON FRACTURE, (ECF21)</i>, 2016, vol. 2, no., pp. 2164-2172. ISSN 2452-3216., Registrované v: WOS Ohlas: zahraničný [1] UDOVSKY, A. - GRAFUTIN, V. - KOLOTUSHKIN, V. - MILOSEREDIN, V. - EVSTUKHINA, I. - MISCHENKO, A. - ERMAKOV, V. - SAMOSADNY, V. - FUNTIKOV, Y. Changes of electron density and defects distribution in binary and ternary iron alloys studied by positron annihilation. In <i>JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY</i>, 2017, vol. 53, no. 3, pp. 399-405. ISSN 1450-5339., Registrované v: WOS, SCOPUS Ohlas: zahraničný [1] NACERI, S. E. - IZERROUKEN, M. - ISHAQ, A. - GUITTOUM, A. - SARI, A. - KHEREDDINE, A. - KADOUA, M. - MENCHI, O. - GHAMNIA, M. Microstructure evolution of cold-worked Zircaloy-4 under 20 mev Cu ion irradiation. In <i>PHILOSOPHICAL MAGAZINE LETTERS</i>, 2019, vol. 99, no. 4, pp. 157-165. ISSN 0950-0839., Registrované v: WOS, CC, SCOPUS

	<p>Ohlas: zahraničný</p> <p>7. [1] IZERROUKEN, M. - HAZEM, R. - YAHSI, U. - NACERI, S. E. - TAV, C. - KUZEKI, S. - SARI, A. - HAID, F. - ISHAQ, A. - MENCHI, O. - GHAMNIA, M. Heavy ion irradiation induced defects in Zircaloy-4. In <i>PHYSICA SCRIPTA</i>, 2021, vol. 96, no. 4, pp. ISSN 0031-8949., Registrované v: WOS, CC</p> <p>Ohlas: zahraničný</p> <p>8. [1] IZERROUKEN, M. - HAZEM, R. - KUZEKI, S. - TAV, C. - YAHSI, U. - LEMAM, S. Electronic ionisation-induced annealing of pre-existing defects in Al₂O₃ and CaF₂ single crystals. In <i>PHILOSOPHICAL MAGAZINE</i>, 2021, vol., no., pp. ISSN 1478-6435., Registrované v: WOS, SCOPUS</p> <p>Ohlas: zahraničný</p>
V3_20	<p>SLUGEŇ, Vladimír - HEIN, H. - SOJAK, Stanislav - PECKO, Stanislav - VETERNÍKOVÁ, Jana - PETRISKA, Martin - SABELOVÁ, Veronika - BARTOŠOVÁ, Iveta - STACHO, Matúš. German and Russian irradiated reactor pressure vessel steels from PAS point of view. In <i>Acta Physica Polonica A : Proceedings of the 41st Polish Seminar on Positron Annihilation, Lublin, 9-13 Sept. 2013</i>. s. 726-728. ISSN 0587-4246 (2014: 0.530 - IF, Q4 - JCR Best Q, 0.268 - SJR, Q3 - SJR Best Q).</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] MA, Xianfeng - ZHANG, Qiang - SONG, Ligang - ZHANG, Wenqing - SHE, Meng - ZHU, Fei. Microstructure Evolution of Reactor Pressure Vessel A508-3 Steel under High-Dose Heavy Ion Irradiation. In: <i>CRYSTALS</i>, 2022, vol. 12, no. 8, pp., Registrované v: WOS, CC</p> <p>Ohlas: zahraničný</p>
V3_21	<p>SLUGEŇ, Vladimír - PECKO, Stanislav - SOJAK, Stanislav. Experimental studies of irradiated and hydrogen implantation damaged reactor steels. In <i>Journal of Nuclear Materials</i>. Vol. 468, (2016), s. 285-288. ISSN 0022-3115 (2016: 2.048 - IF, Q1 - JCR Best Q, 1.025 - SJR, Q1 - SJR Best Q). V databáze: CC: 000367761700036.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] ROLDAN, M. - FERNANDEZ, P. - VILA, R. - GOMEZ-HERRERO, A. - SANCHEZ, F. J. The effect of triple ion beam irradiation on cavity formation on pure EFDA iron. In <i>JOURNAL OF NUCLEAR MATERIALS</i>, 2016, vol. 479, pp. 100-111. ISSN 0022-3115., Registrované v: WOS</p> <p>Ohlas: zahraničný</p> <p>2. [1] SHI, J. J. - ZHAO, W. Z. - WU, Y. C. - LIU, X. B. - JIANG, J. Characterization of proton-irradiated Chinese A508-3-type reactor pressure vessel steel by slow positron beam, TEM, and nanoindentation. In <i>NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS</i>, 2019, vol. 443, no., pp. 62-69. ISSN 0168-583X., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>3. [1] KRŠIAK, V - DEGMOVA, J. - VETERNIKOVA, J. Simeg - YAO, C. F. - DAI, Y. Experimental comparison of the (ODS)EUROFER steels implanted by helium ions and irradiated in spallation neutron target. In <i>JOURNAL OF NUCLEAR MATERIALS</i>, 2019, vol. 523, no., pp. 51-55. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS</p> <p>Ohlas: zahraničný</p> <p>4. [1] ZHAO, Wenzeng - SHI, Jianjian - YANG, Zhihui - LIU, Xiangbing - CAO, Xingzhong - WANG, Baoyi - WU, Yichu. Postirradiation Annealing and Reirradiation Study of High-Dose Proton-Irradiated Fe-Cu Model Alloys by Positron Annihilation and Nanoindentation. In <i>PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS</i>, 2021, vol., no., pp. ISSN 0370-1972., Registrované v: WOS, SCOPUS</p> <p>Ohlas: zahraničný</p>
V3_22	<p>SLUGEŇ, Vladimír - GOKHMAN, Aleksandr - PECKO, Stanislav - SOJAK, Stanislav - BERGNER, Frank. JRQ and JPA irradiated and annealed reactor pressure vessel steels studied by positron annihilation. In <i>Radiation Effects and Defects in Solids</i>. Vol. 171, No. 3-4 (2016), s. 231-241. ISSN 1042-0150 (2016: 0.443 - IF, Q4 - JCR Best Q, 0.209 - SJR, Q3 - SJR Best Q). V databáze: CC: 000378907100005.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] NOGA, Pavol - DOBROVODSKY, Jozef - VANA, Dusan - BENO, Matus - ZAVACKA, Anna - MUSKA, Martin - HALGAS, Radoslav - MINARIK, Stanislav - RIEDLMAJER, Robert. A new ion-beam laboratory for materials research at the Slovak University of Technology. In <i>NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS</i>, 2017, vol. 409, no., pp. 264-267. ISSN 0168-583X., Registrované v: WOS, SCOPUS</p> <p>Ohlas: zahraničný</p>
V3_23	<p>SLUGEŇ, Vladimír - PECKO, Stanislav - SOJAK, Stanislav - EGGER, Werner - SARO, Matúš - PETRISKA, Martin. Positron annihilation studies of reactor pressure vessel steels treated by hydrogen ion implantation. In <i>Acta Physica Polonica A</i>. Vol. 137, No. 2 (2020), s. 238-241. ISSN 0587-4246 (2020: 0.577 - IF, Q4 - JCR Best Q, 0.217 - SJR, Q4 - SJR Best Q). V databáze: DOI: 10.12693/APhysPolA.137.238 ; CC: 000529332100038 ; SCOPUS: 2-s2.0-85083820862.</p> <p>Kategória publikácie do 2021: ADC</p>
V3_24	<p>SLUGEŇ, Vladimír - SOJAK, Stanislav - EGGER, Werner - KRŠIAK, Vladimír - ŠIMEG VETERNÍKOVÁ, Jana - PETRISKA, Martin. Radiation damage of reactor pressure vessel steels studied by positron annihilation spectroscopy—A review. In <i>Metals</i>. Vol. 10, iss. 10 (2020), Art. no. 1378 [12] s. ISSN 2075-4701 (2020: 2.351 - IF, Q2 - JCR Best Q, 0.570 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.3390/met10101378 ; CC: 000587003600001 ; SCOPUS: 2-s2.0-85092573396.</p> <p>Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>1. [1] MIGLIERINI, Marcel B. Radiation Effects in Amorphous Metallic Alloys as Revealed by Mossbauer</p>

	<p>Spectrometry: Part I. Neutron Irradiation. In METALS, 2021, vol. 11, no. 5, pp., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný</p> <p>2. [1] KOISOVSKY, David - MIGLIERINI, Marcel - PAVUK, Milan - SEDLACKOVA, Katarina - KMJEC, Tomas - KOPECEK, Jaromir. Mossbauer Spectrometry of Model Binary Fe100-xCr_x (1 ≤ x ≤ 50) Alloys. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, 2022, vol., no., pp. ISSN 0370-1972., Registrované v: WOS Ohlas: zahraničný</p> <p>3. [1] JONES, A. C. L. - GREAVES, R. G. - CODDING, C. L. - SELIM, F. A. Development of a pulsed, variable-energy positron beam for atomic scale defect studies. In REVIEW OF SCIENTIFIC INSTRUMENTS, 2022, vol. 93, no. 4, pp. ISSN 0034-6748., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný</p> <p>4. [1] RODRIGUEZ-PRIETO, Alvaro - CALLEJAS, Manuel - PRIMERA, Ernesto - LOMONACO, Guglielmo - CAMACHO, Ana Maria. Multicriteria Analytical Model for Mechanical Integrity Prognostics of Reactor Pressure Vessels Manufactured from Forged and Rolled Steels. In MATHEMATICS, 2022, vol. 10, no. 10, pp., Registrované v: WOS, CC Ohlas: zahraničný</p> <p>5. [1] AUGUSTE, R. - CHAN, H. L. - ROMANOVSKAIA, E. - QIU, J. - SCHOELL, R. - LIEDKE, M. O. - BUTTERLING, M. - HIRSCHMANN, E. - ATTALLAH, A. G. - WAGNER, A. - SELIM, F. A. - KAOUMI, D. - UBERUAGA, B. P. - HOSEMANN, P. - SCULLY, J. R. A multimodal approach to revisiting oxidation defects in Cr₂O₃. In Npj Materials Degradation, 2022, vol. 6, no. 1, pp., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný</p>
V3_25	<p>SLUGENĚ, Vladimír - DEGMOVÁ, Jarmila - SOJAK, Stanislav - PETRISKA, Martin - NOGA, Pavol - KRŠJAK, Vladimír. On the Limitations of Positron Annihilation Spectroscopy in the Investigation of Ion-Implanted FeCr Samples. In Metals. Vol. 11, iss. 11 (2021), Art. no. 1689 [12] s. ISSN 2075-4701 (2021: 2.695 - IF, Q2 - JCR Best Q, 0.569 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.3390/met11111689 ; WOS: 000724510900001 ; CC: 000724510900001 ; SCOPUS: 2-s2.0-85117459966. Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC</p>
V3_26	<p>SLUGENĚ, Vladimír - BRODZIANSKY, Tomáš - ŠIMEG VETERNÍKOVÁ, Jana - SOJAK, Stanislav - PETRISKA, Martin - HINCA, Róbert - FARKAS, Gabriel. Positron annihilation study of RPV steels radiation loaded by hydrogen ion implantation. In Materials. Vol. 15, iss. 20 (2022), Art. no. 7091 [21] s. ISSN 1996-1944 (2021: 3.748 - IF, Q1 - JCR Best Q, 0.604 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.3390/ma15207091. Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC</p>
V3_27	<p>SOJAK, Stanislav - SLUGENĚ, Vladimír - EGGGER, Werner - RAVELLI, Luca - PETRISKA, Martin - VETERNÍKOVÁ, Jana - STACHO, Matúš - SABELOVÁ, Veronika. PLEPS study of ions implanted RAFM steels. In Journal of Physics: Conference Series : 13th International workshop on Slow Positron Beam Techniques and Applications, SLOPOS 2013, Munich, Germany 15 - 20 September 2013. Vol. 505, iss. 1 (2014), art. no. 012016, [4] p. ISSN 1742-6588 (2014: 0.264 - SJR, Q3 - SJR Best Q). Kategória publikácie do 2021: ADM</p>
V3_28	<p>SOJAK, Stanislav - ŠIMEG VETERNÍKOVÁ, Jana - SLUGENĚ, Vladimír - PETRISKA, Martin - STACHO, Matúš. Ion implantations of oxide dispersion strengthened steels. In Nuclear Instruments & Methods in Physics Research Section B - Beam Interactions with Materials and Atoms. Vol. 365, Part. A, (2015), s. 305-308. ISSN 0168-583X (2015: 1.389 - IF, Q1 - JCR Best Q, 0.722 - SJR, Q1 - SJR Best Q). V databáze: CC: 000366786900068. Kategória publikácie do 2021: ADC</p> <p>Ohlasy:</p> <p>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: WOS Ohlas: domáci</p> <p>2. [1] PASEBANI, Somayeh - CHARIT, Indrajit - GURIA, Ankan - WU, Yaqiao - BURNS, Jatuporn - BUTT, Darryl P. - COLE, James I. - SHAO, Lin. A preliminary investigation of high dose ion irradiation response of a lanthana-bearing nanostructured ferritic steel processed via spark plasma sintering. In JOURNAL OF NUCLEAR MATERIALS, 2017, vol. 495, no., pp. 78-84. ISSN 0022-3115., Registrované v: WOS, SCOPUS Ohlas: zahraničný</p> <p>3. [1] NOGA, Pavol - DOBROVODSKY, Jozef - VANA, Dusan - BENO, Matus - ZAVACKA, Anna - MUSKA, Martin - HALGAS, Radoslav - MINARIK, Stanislav - RIEDLMAJER, Robert. A new ion-beam laboratory for materials research at the Slovak University of Technology. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, 2017, vol. 409, no., pp. 264-267. ISSN 0168-583X., Registrované v: WOS, SCOPUS Ohlas: zahraničný</p> <p>4. [1] MASTRIKOV, Yuri A. - SOKOLOV, Maksim N. - KOCH, Sascha - ZHUKOVSKII, Yuri F. - GOPEJENKO, Aleksejs - VLADIMIROV, Pavel V. - BORODIN, Vladimir A. - KOTOMIN, Eugene A. - MOESLANG, Anton. Ab initio modelling of the initial stages of the ODS particle formation process. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, 2018, vol. 435, no., pp. 70-73. ISSN 0168-583X., Registrované v: WOS, SCOPUS Ohlas: zahraničný</p> <p>5. [1] MASTRIKOV, Yuri A. - SOKOLOV, Maksim N. - KOTOMIN, Eugene A. - GOPEJENKO, Aleksejs - ZHUKOVSKII, Yuri F. Ab Initio Modeling of Y and O Solute Atom Interaction in Small Clusters within the bcc Iron Lattice. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, 2019, vol. 256, no. 5, pp. ISSN 0370-1972., Registrované v: WOS, CC, SCOPUS Ohlas: zahraničný</p>

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V3_29	<p>SOJAK, Stanislav - DEGMOVÁ, Jarmila - NOGA, Pavol - KRŠJAK, Vladimír - SLUGEŇ, Vladimír - SHEN, Tielong. Bubble swelling in ferritic/martensitic steels exposed to radiation environment with high production rate of helium. In <i>Materials [elektronický zdroj]</i>. Vol. 14, iss. 11 (2021), Art. no. 2997 [7] s. ISSN 1996-1944 (2021: 3.748 - IF, Q1 - JCR Best Q, 0.604 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.3390/ma14112997 ; SCOPUS: 2-s2.0-85107945552 ; WOS: 000660948200001 ; CC: 000660948200001. Typ výstupu: článok; Výstup: zahraničný; Kategória publikácie do 2021: ADC Ohlasy:</p> <p>1. [1] HE, Hao - HUANG, Shuhai - WANG, Hui - HUANG, Xuefei. Isothermal holding processes of a reduced activation ferritic/martensitic steel to form a bainitic/martensitic multiphase microstructure and its mechanical properties. In <i>Materials Science and Engineering A</i>, 2021, 822, pp. ISSN 09215093., Registrované v: SCOPUS, WOS, CC Ohlas: zahraničný</p> <p>2. [1] OGORODNIKOVA, O. V. - HARUTYUNYAN, Z. - GASPARYAN, Yu - EFIMOV, V. Helium and deuterium retention in Eurofer97 under sequential irradiation at low fluxes. In <i>Journal of Nuclear Materials</i>, 2022-09-01, 568, pp. ISSN 00223115., Registrované v: SCOPUS, WOS, CC Ohlas: zahraničný</p>
V3_30	<p>ŠAGÁTOVÁ, Andrea - KRŠJAK, Vladimír - SOJAK, Stanislav - RIABUKHIN, O. - KOVÁČOVÁ, Eva - ZAŤKO, Bohumír. Semi-insulating GaAs detectors degraded by 8 MeV electrons up to 1500 kGy. In <i>Journal of Instrumentation : 22nd International Workshop on Radiation Imaging Detectors. Ghent, Belgium. June 27-July 1, 2021</i>. Vol. 16, Iss. 12 (2021), Art. no. C12032 [11] s. ISSN 1748-0221 (2021: 1.121 - IF, Q4 - JCR Best Q, 0.428 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.1088/1748-0221/16/12/C12032 ; SCOPUS: 2-s2.0-85123933733 ; WOS: 000758055400033 ; CC: 000758055400033. Kategória publikácie do 2021: ADC</p>
V3_31	<p>ŠIMEG VETERNÍKOVÁ, Jana - SLUGEŇ, Vladimír - SOJAK, Stanislav - SKARBA, Michal - KORHONEN, E. - STANČEK, Stanislav - DEGMOVÁ, Jarmila - SABELOVÁ, Veronika - BARTOŠOVÁ, Iveta. Application of slow positron beam for study of commercial oxide-dispersion-strengthened steels. In <i>Journal of Nuclear Materials</i>. Vol. 450 (2014), s. 99-103. ISSN 0022-3115 (2014: 1.865 - IF, Q1 - JCR Best Q, 1.104 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS ; WOS. Kategória publikácie do 2021: ADC Ohlasy:</p> <p>1. [1] Parente, P. - Leguey, T. - De Castro, V. - Gigl, T. - Reiner, M. - Hugenschmidt, C. - Pareja, R. Characterization of ion-irradiated ODS Fe-Cr alloys by doppler broadening spectroscopy using a positron beam. In <i>Journal of Nuclear Materials</i>, 2015-10-01, 464, pp. 140-146. ISSN 00223115., Registrované v: SCOPUS, WOS Ohlas: zahraničný</p> <p>2. [1] HU YUAN-CHAO - Cao Xing-Zhong - Li Yu-Xiao - Zhang Peng - Jin Shuo-Xue - Lu Er-Yang - Yu Run-Sheng - Wei Long - Wang Bao-Yi. Applications and progress of slow positron beam technique in the study of metal/alloy microdefects. In <i>ACTA PHYSICA SINICA</i>, 2015, vol. 64, no. 24, pp. ISSN 1000-3290., Registrované v: WOS, SCOPUS Ohlas: zahraničný</p> <p>3. [1] HORODEK, P. - SKURATOV, V. A. Variable energy positron beam studies of defects in heavy ion implanted palladium. In <i>SURFACE & COATINGS TECHNOLOGY</i>, 2016, vol. 296, no., pp. 65-68. ISSN 0257-8972., Registrované v: WOS, SCOPUS Ohlas: zahraničný</p> <p>4. [1] NOGA, Pavol - DOBROVODSKY, Jozef - VANA, Dusan - BENO, Matus - ZAVACKA, Anna - MUSKA, Martin - HALGAS, Radoslav - MINARIK, Stanislav - RIEDLMAJER, Robert. A new ion-beam laboratory for materials research at the Slovak University of Technology. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, 2017, vol. 409, no., pp. 264-267. ISSN 0168-583X., Registrované v: WOS, SCOPUS Ohlas: zahraničný</p> <p>5. [1] UDOVSKY, A. - GRAFUTIN, V. - KOLOTUSHKIN, V. - MILOSEREDIN, V. - EVSTUKHIN, I. - MISCHENKO, A. - ERMAKOV, V. - SAMOSADNY, V. - FUNTIKOV, Y. Changes of electron density and defects distribution in binary and ternary iron alloys studied by positron annihilation. In <i>Journal of Mining and Metallurgy, Section B: Metallurgy</i>, 2017-01-01, 53, 3, pp. 399-405. ISSN 14505339., Registrované v: SCOPUS, WOS Ohlas: zahraničný</p> <p>6. [1] LOVICU, G. - FAVA, A. - MONTANARI, R. - PIZZOFERRATO, R. - RICETTA, M. - VARONE, A. - TESTANI, C. ODS ferritic steel for nuclear reactors. In <i>METALLURGIA ITALIANA</i>, 2017, vol., no. 10, pp. 59-67. ISSN 0026-0843., Registrované v: WOS, SCOPUS Ohlas: zahraničný</p> <p>7. [1] ZHANG, Xinghang - HATTAR, Khalid - CHEN, Youxing - SHAO, Lin - LI, Jin - SUN, Cheng - YU, Kaiyuan - LI, Nan - TAHERI, Mitra L. - WANG, Haiyan - WANG, Jian - NASTASI, Michael. Radiation damage in nanostructured materials. In <i>PROGRESS IN MATERIALS SCIENCE</i>, 2018, vol. 96, no., pp. 217-321. ISSN 0079-6425., Registrované v: WOS, SCOPUS</p>

Ohlas: zahraničný

8. [1] ENGLISH, Colin A. - HYDE, Jonathan M. - ROBERT ODETTE, G. - LUCAS, Gene E. - TAN, Lizhen. Research tools: Microstructure, mechanical properties, and computational thermodynamics. In *Structural Alloys for Nuclear Energy Applications*, 2019, pp. 103-161., Registrované v: SCOPUS

Ohlas: zahraničný

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Ohlas: zahraničný

10. [1] SONG, Yamin - SONG, Ligang - ZHU, Te - CHEN, Yu - JIN, Shuoxue - TIAN, Feng - HONG, Zhiyuan - ZHANG, Peng - WANG, Baoyi - WANG, Huanhua - YAN, Qingzhi - BIAN, Fenggang - CAO, Xingzhong. The investigation of distribution on size and concentration of helium bubbles in Y-bearing ODS steel using by SAXS and GIXRD. In *JOURNAL OF NUCLEAR MATERIALS*, 2021, vol. 554, no., pp. ISSN 0022-3115., Registrované v: WOS, CC, SCOPUS

Ohlas: zahraničný

V3_32

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:

1. [1] NOGA, Pavol - DOBROVODSKY, Jozef - VANA, Dusan - BENO, Matus - ZAVACKA, Anna - MUSKA, Martin - HALGAS, Radoslav - MINARIK, Stanislav - RIEDLMAJER, Robert. A new ion-beam laboratory for materials research at the Slovak University of Technology. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 2017, vol. 409, no., pp. 264-267. ISSN 0168-583X., Registrované v: CC, WOS, SCOPUS

Ohlas: zahraničný

V3_33

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

Ohlasy:

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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

4. [1] XUE, Renzhong - CHEN, Yuanqing - LI, Tao - LIU, Dewei - CHEN, Siyuan - CHEN, Hongxuan - CUI, Mengru. Effects of Lu3+ Doping on Microstructures and Electrical Properties of CaCu3Ti4O12 Ceramics. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*, 2021, vol., no., pp. ISSN 1557-1939., Registrované v: WOS

Ohlas: zahraničný

V3_34

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).

Kategória publikácie do 2021: ADC

Ohlasy:

1. [1] CIZEK, J. - Neslusan, M. - Cillikova, M. - Micietova, A. - Melikhova, O. Modification of steel surfaces induced by turning: non-destructive characterization using Barkhausen noise and positron annihilation. In *JOURNAL OF PHYSICS D-APPLIED PHYSICS*, 2014, vol. 47, no. 44, pp. ISSN 0022-3727., Registrované v: WOS

Ohlas: zahraničný

V3_35

VETERNÍKOVÁ, Jana - DEGMOVÁ, Jarmila - ŠIMKO, František - PEKARČIKOVÁ, 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: MLI ; 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

O2 Odborný výstup publikačnej činnosti ako časť knižnej publikácie alebo zborníka

- O2_01 BARTOŠOVÁ, Iveta - SOJAK, Stanislav - SLUGEŇ, Vladimír. Vplyv hélia na ODS ocele. In *Jaderná energetika v prácich mladé generace - 2013 : Mikulášské setkání Mladé generace ČNS. Brno, Czech Republic, 4.- 6. 12. 2013*. Praha : Česká nukleární společnost, 2014, s. 134-138. ISBN 978-80-02-02513-9.
Kategória publikácie do 2021: BEE
- O2_02 PECKO, Stanislav - SOJAK, Stanislav - SLUGEŇ, Vladimír. Využitie iónovej implementácie pri výskume radiačného skrehnutia reaktorových ocelí. In *MG SNUS 2014 : zborník príspevkov z odbornej konferencie Mladej generácie Slovenskej nukleárnej spoločnosti. Časť-Papiernička, 25.4. 2014*. Trnava : Slovenská nukleárna spoločnosť, 2014, [7] s. ISBN 978-80-971498-2-6.
Kategória publikácie do 2021: BEF
- O2_03 PECKO, Stanislav - SOJAK, Stanislav - SLUGEŇ, Vladimír. Výskum materiálov tlakových nádob nemeckých jadrových reaktorov s dôrazom na využití pozitronovej anihilačnej spektroskopie. In *Jaderná energetika v prácich mladé generace - 2013 : Mikulášské setkání Mladé generace ČNS. Brno, Czech Republic, 4.- 6. 12. 2013*. Praha : Česká nukleární společnost, 2014, s. 176-181. ISBN 978-80-02-02513-9.
Kategória publikácie do 2021: BEE
- O2_04 PETRISKA, Martin - SLUGEŇ, Vladimír - VETERNÍKOVÁ, Jana - SOJAK, Stanislav. Digital Set-Ups for Positron Annihilation Spectroscopy at PAS Laboratory FEI STU Bratislava. In *Instrumentation for Digital Nuclear Spectroscopy : Proceedings of the IAEA Technical Meeting. Vienna, Austria 11-15 October 2010*. Vienna : IAEA, 2013, s.67-73. ISBN 978-92-0-141310- 9.
Kategória publikácie do 2021: BEE
- O2_05 SLUGEŇ, Vladimír - VETERNÍKOVÁ, Jana - PETRISKA, Martin - SOJAK, Stanislav - HINCA, Róbert - DEGMOVÁ, Jarmila - BALLO, Peter - STACHO, Matúš. Non-Destructive Evaluation of Perspective Steels for Fusion Technologies. In *Applications of Research Reactors towards Research on Materials for Nuclear Fusion Technology*. Vienna : IAEA, 2013, s.86-96. ISBN 978-92-0-113713-5.
Kategória publikácie do 2021: BEE
- O2_06 ŠIMEG VETERNÍKOVÁ, Jana - SOJAK, Stanislav - PETRISKA, Martin. Pozitronové merania vysokotepelných supravodičov fúzneho reaktora. In *Jaderná energetika v prácich mladé generace - 2013 : Mikulášské setkání Mladé generace ČNS. Brno, Czech Republic, 4.- 6. 12. 2013*. Praha : Česká nukleární společnost, 2014, s. 193-196. ISBN 978-80-02-02513-9.
Kategória publikácie do 2021: BEE

I2 Iný výstup publikačnej činnosti ako časť publikácie alebo zborníka

- I2_01 DEGMOVÁ, Jarmila - KRŠJAK, Vladimír - SOJAK, Stanislav - NOGA, Pavol. The effect of oxide dispersoids on the helium bubble formation in advanced structural materials for nuclear applications. In *IBMM 22 : 22th International Conference on ION Beam Modification of Materials, Lisbon, 10-15 July 2022*. 1. vyd. Lisbon : Universidade de Lisboa, 2022, S. 183.
Typ výstupu: časti, ktoré nemožno zaradiť do kategórie V, O, P, U alebo D; Výstup: zahraničný; Kategória publikácie do 2021: AFK

XXX XXX

- _01 BARTOŠOVÁ, Iveta - SLUGEŇ, Vladimír - VETERNÍKOVÁ, Jana - SOJAK, Stanislav - PETRISKA, Martin - BOUHADDANE, Amine. Non-Destructive Research Methods Applied on Materials for the New Generation of Nuclear Reactors. In *International Workshop & Summer School on Plasma Physics : Kiten, Bulgaria, 5.-10.7.2010*. Sofia : University of Sofia, 2010, s.nestr.
Kategória publikácie do 2021: AFG
- _02 BARTOŠOVÁ, Iveta - SOJAK, Stanislav - SLUGEŇ, Vladimír. Research of perspective steels. In *Proceedings of the 20th conference of slovak physicists : Bratislava, 2-5 September 2013*. 1.vyd. Bratislava : Slovenská fyzikálna spoločnosť, 2014, s. 45-46. ISBN 978-80-971450-2-6.
Kategória publikácie do 2021: AFD
- _03 BARTOŠOVÁ, Iveta - SLUGEŇ, Vladimír - VETERNÍKOVÁ, Jana - SOJAK, Stanislav - PETRISKA, Martin - BOUHADDANE, Amine. Non-destructive research methods applied on materials for the new generation of nuclear reactors. In *Journal of Physics: Conference Series : 4th International workshop and summer school on plasma physics. Kiten, BULGARIA, July 05-10, 2010*. Vol. 516, (2014), Art. no. 012023 [7] s. ISSN 1742-6588 (2014: 0.264 - SJR, Q3 - SJR Best Q). V databáze: WOS: 000344464700023 ; SCOPUS.
Kategória publikácie do 2021: AFC
- _04 BOUHADDANE, Amine. Využitie pozitronovej anihilačnej spektroskopie na skúmanie konštrukčných materiálov jadrových zariadení. In *ŠVOČ 2010 (elektronický zdroj) : Zborník vybraných prác*. Bratislava : STU v Bratislave FEI, 2010, s.CD-Rom. ISBN 978-80-227-3286-4.
Kategória publikácie do 2021: AFD

- _05 BOUHADDANE, Amine - SLUGEŇ, Vladimír - SOJAK, Stanislav - VETERNÍKOVÁ, Jana - PETRISKA, Martin - BARTOŠOVÁ, Iveta. Investigation of Materials for Fusion Power Reactors. In *International Workshop & Summer School on Plasma Physics : Kiten, Bulgaria, 5.-10.7.2010*. Sofia : University of Sofia, 2010, s.nestr.
Kategória publikácie do 2021: AFG
- _06 BOUHADDANE, Amine - SLUGEŇ, Vladimír - SOJAK, Stanislav - VETERNÍKOVÁ, Jana - PETRISKA, Martin - BARTOŠOVÁ, Iveta. Investigation of materials for fusion power reactors. In *Journal of Physics: Conference Series : 4th International workshop and summer school on plasma physics. Kiten, BULGARIA, July 05-10, 2010*. Vol. 516, (2014), Art. no. 012024 [7] s. ISSN 1742-6588 (2014: 0.264 - SJR, Q3 - SJR Best Q). V databáze: WOS: 000344464700024 ; SCOPUS.
Kategória publikácie do 2021: AFC
Ohlasy:
1. [1] SAHA, Uttiyoarnab - DEVAN, K. - BACHCHAN, Abhitab - PANDIKUMAR, G. - GANESAN, S. Neutron radiation damage studies in the structural materials of a 500 MWe fast breeder reactor using DPA cross-sections from ENDF/B-VII.1. In *PRAMANA-JOURNAL OF PHYSICS*, 2018, vol. 90, no. 4, pp. ISSN 0304-4289., Registrované v: WOS, SCOPUS
Ohlas: zahraničný
- _07 BRODZIANSKY, Tomáš. *Štúdium vplyvu tepelného namáhania na konštrukčné materiály jadrových reaktorov s využitím pozitronovej anihilačnej spektroskopie*. Bratislava : STU v Bratislave FEI, 2014. 90 s. Dostupné na internete: <http://is.stuba.sk/zp/portal_zp.pl?podrobnosti=103071>.
- _08 BRODZIANSKY, Tomáš - SOJAK, Stanislav - SLUGEŇ, Vladimír. Study of thermal stress effects on structural materials of NPP using PALS. In *APCOM 2015 : Proceedings of 21st international conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic. June 24-26, 2015*. 1. vyd. Bratislava : Vydavateľstvo STU, 2015, S. 97-102. ISBN 978-80-227-4373-0.
Kategória publikácie do 2021: AFD
- _09 BRODZIANSKY, Tomáš - SLUGEŇ, Vladimír - SOJAK, Stanislav. Long term operation of NPP. In *ELITECH'16 [elektronický zdroj] : 18th Conference of doctoral students. Bratislava, Slovakia. June 8, 2016*. 1. vyd. Bratislava : STU, 2016, CD-ROM, [4] s. ISBN 978-80-227-4561-1.
Kategória publikácie do 2021: AFD
- _10 BRODZIANSKY, Tomáš - SOJAK, Stanislav - SLUGEŇ, Vladimír. Prolongation of nuclear power plant lifetime. In *APCOM 2016 : Proceedings of 22nd international conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic, June 22-24, 2016*. 1. vyd. Bratislava : Slovenská technická univerzita v Bratislave, 2016, S. 109-114. ISBN 978-80-227-4572-7.
Kategória publikácie do 2021: AFD
- _11 DEGMOVÁ, Jarmila - VETERNÍKOVÁ, Jana - SOJAK, Stanislav - SLUGEŇ, Vladimír - KRŠJAK, Vladimír - ACOSTA, Beatriz. Evaluation of the Role of Cr, Ni, Mn and Si in Reactor Pressure Vessel Steel. In *ENC 2010 : European Nuclear Conference. Barcelona, Spain, 30.5.-2.6.2010*. Brussels : European Nuclear Society, 2010, s.CD-Rom.
Kategória publikácie do 2021: AFC
- _12 DEGMOVÁ, Jarmila - ŠIMEG VETERNÍKOVÁ, Jana - SABELOVÁ, Veronika - DEKAN, Július - PAVÚK, Milan - SOJAK, Stanislav - PETRISKA, Martin - SLUGEŇ, Vladimír. Analyses of commercially and laboratory produced ODS steels. In *YUCOMAT 2016 : 18th Annual conference. Programme and The Book of Abstracts. Herceg Novi, Montenegro. September 5-10, 2016*. Belgrade : Materials Research Society of Serbia, 2016, S. 77. ISBN 978-86-919111-1-9.
Kategória publikácie do 2021: BFA
- _13 DEGMOVÁ, Jarmila - KRŠJAK, Vladimír - PETRISKA, Martin - ŠIMEG VETERNÍKOVÁ, Jana - SOJAK, Stanislav. Doppler broadening spectroscopy study of model steels in as-received state. In *APCOM 2017 : Proceedings of 23rd international conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic, June 12-14, 2017*. 1. vyd. Bratislava : Vydavateľstvo Spektrum STU, 2017, S. 293-298. ISBN 978-80-227-4699-1.
Kategória publikácie do 2021: AFD
- _14 DEGMOVÁ, Jarmila - KRŠJAK, Vladimír - PETRISKA, Martin - ŠIMEG VETERNÍKOVÁ, Jana - SOJAK, Stanislav. Microstructural properties of materials for nuclear applications. In *APCOM 2018 : 24th International conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic. June 20-22, 2018*. 1. ed. St. Louis : AIP Publishing, 2018, Art. no. 020006 [6] s. ISSN 0094-243X. ISBN 978-0-7354-1712-0. V databáze: WOS: 000443464900006 ; SCOPUS: 2-s2.0-85051853236.
Kategória publikácie do 2021: AFD
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Štatistika: kategória publikačnej činnosti do 2021

I2	I2	1
O2	O2	6
V2	V2	1
V3	V3	35
XXX	Nezaradené	139
Súčet		182

Štatistika: kategória ohlasov

1	Citácie v zahraničných publikáciách, registrované v citačných indexoch Web of Science a databáze SCOPUS	88
2	Citácie v domácich publikáciách, registrované v citačných indexoch Web of Science a databáze SCOPUS	3
4	Citácie v domácich publikáciách neregistrované v citačných indexoch	1
Súčet		92