

Najvýznamnejšie publikácie

PhD. študijný program: **Technické materiály**

2023	<p>Ing. Milan Štrbák, PhD. ADC – Štrbák Milan – Kajánek Daniel – Knap Vidžaja – Florková Zuzana – Pastorková Jana - Hadzima Branislav – Goraus Matej: Effect of plasma electrolytic oxidation on the short-term corrosion behaviour of AZ91 magnesium alloy in aggressive chloride environment. In. Coatings, 2022, vol. 12, 5. Zaradené v: Q2, Current Content Connect; SCOPUS; Web of Science Core Collection</p> <p>Ing. Vidžaja Knap, PhD. ADC – Štrbák Milan – Kajánek Daniel – Knap Vidžaja – Florková Zuzana – Pastorková Jana - Hadzima Branislav – Goraus Matej: Effect of plasma electrolytic oxidation on the short-term corrosion behaviour of AZ91 magnesium alloy in aggressive chloride environment. In. Coatings, 2022, vol. 12, 5. Zaradené v: Q2, Current Content Connect; SCOPUS; Web of Science Core Collection</p> <p>Ing. Tibor Varmus, PhD. ADC – Konečná Radomíala – Varmus Tibor – Gianni Nicoletto – Jambor Michal: Influence of Build Orientation on Surface Roughness and Fatigue Life of the Al2024-RAM2 Alloy Produced by Laser Powder Bed Fusion (L-PBF). In. Metals, vol. 13, 9. Zaradené v: Q2, Current Content Connect; SCOPUS; Web of Science Core Collection</p>
2022	<p>Ing. Denisa Medvecká, PhD. ADC – Kuchariková Lenka – Medvecká Denisa – Tillová Eva – Belan Juraj – Krittikos Michaela – Chalupová Mária – Uhrčík Milan: The effect of the beta-Al5FeSi phases on microstructure, mechanical and fatigue properties in A356.0 cast alloys with higher Fe content without additional alloying of Mn. In. : Materials, 2021, vol. 14, 8 Zaradené v: Q2, Current Content Connect; SCOPUS; Web of Science Core Collection</p> <p>Ing. Tatiana Kojnoková, PhD. ADC – Kojnoková Tatiana – Nový František – Markovičová Lenka: he study of chemical and thermal influences of the environment on the degradation of mechanical properties of carbon composite with epoxy resin. In. Polymers, vol. 22, 16, 2022 Zaradené v: Q1, Current Content Connect; SCOPUS; Web of Science Core Collection</p>
2021	<p>Ing. Patrícia Hanusová, PhD. ADC - Uhrčík Milan - Palček Peter - Chalupová Mária - Hanusová Patrícia - Kuchariková Lenka: Analysis of the properties of EN AC 51200 aluminum alloy. In: Archives of Metallurgy and Materials: the Journal of Institute of Metallurgy and Materials Science and Committee on Metallurgy of Polish Academy of Sciences. ISSN 1733-3490. Roč. 65, č. 4 (2020), s. 1437-1445. Zaradené v: Current Content Connect; SCOPUS; Web of Science Core Collection.</p> <p>Ing. Ivana Švecová, PhD. ADC - Kuchariková Lenka - Tillová Eva - Uhrčík Milan - Belan Juraj - Švecová Ivana - Samardžiová Michaela: Quality assessment of Al castings produced in sand molds using image and CT analyses. In: Journal of Materials Engineering and Performance. JMEP: design, process, characterization, evaluation. ISSN 1059-9495. Roč. 28, č. 7 (2019), s. 3966-3973. Zaradené v: KIS ; SCOPUS ; Current Content Connect ; Web of Science Core Collection.</p>
2020	<p>Ing. Dušan Gaňa, PhD. /externé štúdium/ AFD - Markovičová Lenka - Zatkalíková Viera - Kojnoková Tatiana - Gaňa Dušan - Liptáková Tatiana: The physical - mechanical properties of low-density polyethylene films. In: Development of Materials Science in Research and Education (DMSRE29). ISSN 1757-8981. 1. vyd. Bristol: IOP Publishing, 2020. s. [1-5]. Zaradené v: SCOPUS ; Web of Science Core Collection.</p>

2019	<p>Ing. Tatiana Oršulová, PhD. AFC - Oršulová Tatiana - Palček Peter - Roszak Marek - Uhrčík Milan - Smetana Milan - Kúdelčík Jozef: Change of magnetic properties in austenitic stainless steels due to plastic deformation. In: ECF22 Loading and environment effects on structural integrity. [S.l.]: Elsevier. s. 1689-1694. (ISSN 2452-3216, Procedia structural integrity). Zaradené v: Web of Science Core Collection.</p> <p>Ing. Daniel Kajánek, PhD. ADC - Hadzima Branislav - Pastorek Filip - Borko Kamil - Fintová Stanislava - Kajánek Daniel - Bagherifard Sara - Gholami-Kermanshahi Mozghan - Trško Libor - Pastorková Jana - Brežina Jozef: Effect of phosphating time on protection properties of hurealite coating: Differences between ground and shot peened HSLA steel surface. In: Surface and Coatings Technology. an international journal devoted to the science and application of advanced surface treatments for improvement of material properties. ISSN 0257-8972. č. 375 (2019), s. 608-620. Zaradené v: Current Content Connect ; SCOPUS ; Web of Science Core Collection.</p> <p>Ing. Michal Jambor, PhD. ADC - Lago Ján - Trško Libor - Jambor Michal - Nový František - Bokůvka Otakar - Mičian Miloš - Pastorek Filip: Fatigue life improvement of the high strength steel welded joints by ultrasonic impact peening. In: Metals [electronic]. ISSN 2075-4701, Roč. 9, č. 6 (2019), s. [1-15]. Zaradené v: Current Content Connect ; SCOPUS ; Web of Science Core Collection.</p> <p>Ing. Martin Frkaň, PhD. ADC - Nicoletto Gianni - Konečná Radomila - Frkaň Martin - Riva E.: Surface roughness and directional fatigue behavior of as-built EBM and DMLS Ti6Al4V. In: International Journal of Fatigue: materials, structures, components. ISSN 0142-1123. č. 116 (2018), s. 140-14. Zaradené v: Current Content Connect ; SCOPUS ; Web of Science Core Collection.</p>
2018	<p>Ing. Kamil Borko, PhD. ADC - Pastorek Filip - Borko Kamil - Fintová Stanislava - Kajánek Daniel - Hadzima Branislav: Effect of surface pretreatment on quality and electrochemical corrosion properties of manganese phosphate on S355J2 HSLA steel. In: Coatings. ISSN 2079-6412. Vol. 6, no. 4 (2016), online, [9] s. Zaradené v: Current Content Connect, Web of Science Core Collection ; SCOPUS.</p> <p>Ing. Denisa Zavodská, PhD. ADC - Zavodská Denisa - Kuchariková Lenka - Tillová Eva - Guagliano Mario - Chalupová Mária - Uhrčík Milan - Belan Juraj: The effect of iron content on fatigue lifetime of AlZn10Si8Mg cast alloy. In: International Journal of Fatigue: materials, structures, components. ISSN 0142-1123. č. 128 (2019), s. [1-8]. Zaradené v: Current Content Connect ; SCOPUS ; Web of Science Core Collection.</p>
2017	<p>Ing. Ján Lago, PhD. ADC - Lago Ján - Guagliano Mario - Bokůvka Otakar - Trško Libor - Řidký Ondřej - Nový František - Zavodská Denisa: Improvement of fatigue endurance of welded S355 J2 structural steel by severe shot peening. In: Surface Engineering. ISSN 0267-0844. Vol. 33, iss. 9 (2017), s. 715-720. Zaradené v: Current Content Connect, Web of Science Core Collection ; SCOPUS</p> <p>Ing. Monika Oravcová, PhD. ADC - Libor Trško - Stanislava Fintová - František Nový - Otakar Bokůvka - Michal Jambor - Filip Pastorek - Zuzana Florková - Monika Oravcová: Study of relation between shot peening parameters and fatigue fracture surface character of an AW 7075 aluminium alloy. In: Metals. ISSN 2075-4701. Roč. 8, č. 2 (2018), s. [1-20]. Zaradené v: Current Content Connect ; Web of Science Core Collection ; SCOPUS</p>
2016	<p>Ing. Adrián Bača, PhD. ADC - Konečná Radomila - Kunz L. - Bača Adrián - Nicoletto G.: Resistance of direct metal laser sintered Ti6Al4V alloy against growth of fatigue cracks. In: Engineering fracture mechanics. ISSN 0013-7944. Vol. 185, Sp. iss. (2017), s. 82-91.</p>

	<p>Zaradené v: Current Content Connect, Web of Science Core Collection ; SCOPUS</p> <p>Ing. Zuzana Dresslerová, PhD. ADC - Uhrčík Milan - Dresslerová Zuzana - Palček Peter - Chalupová Mária - Trojanová Zuzanka - Hanusová Patrícia: Amplitude dependent internal friction in strained magnesium alloys of AZ series. In: Crystals. ISSN 2073-4352. Roč. 10, č. 7 (2020), s. [1-18]. Zaradené v: Current Content Connect ; SCOPUS ; Web of Science Core Collection.</p> <p>Ing. Miroslav Omasta, PhD. ADE - Hadzima Branislav - Pastorek Filip - Omasta Miroslav - Blažek Dalibor - Hrabovský D.: Electrodeposition of the calcium phosphate coatings on the Mg-Al-Zn alloys surfaces. In: Advanced science, engineering and medicine. ISSN 2164-6627. Vol. 6, no. 4 (2014), s. 454-458 Zaradené v: Web of Science; SCOPUS</p> <p>Ing. Martin Lovíšek, PhD. AGJ – Liptáková Tatiana - Malcho Milan - Lovišek Martin: Zariadenie na meranie korózne-eróznej degradácie rúrok súčasne pri rôznych rýchlostiach prúdiacej kvapaliny: Úžitkový vzor č. 7745. Banská Bystrica: Úrad priemyselného vlastníctva SR, 2017. 4 s. SK. Číslo prihlášky: 33-2016. Dátum zverejnenia prihlášky: 3.10.2016 Vestník ÚPV SR č.:10/2016. Dátum zverejnenia: 3.4.2017 Vestník ÚPV SR č.: 04/2017. Dátum sprístupnenia verejnosti: 22.2.2017.</p> <p>Ing. Pawel Szataniak, PhD. /externé štúdium/ AFD - Ulewicz Robert - Szataniak Pawel - Nový František - Trško Libor - Bokůvka Otakar: Fatigue characteristics of structural steels in the gigacycle region of loading. In: Materials Today: proceedings 4. ISSN 2214-7853. Vol. 4, iss. 5 (2017), on-line, s. 5979-5984. Článok je zaradený v databáze Web of Science a SCOPUS.</p>
2015	<p>Ing. Andrea Soviarová, PhD. ADD - Trojanová Zuzanka - Palček Peter - Soviarová Andrea - Chalupová Mária - Dash K. - Knappek M.: Internal friction associated with the microstructural changes in an AZ91 magnesium alloy. Kovové materiály = Metallic Materials. ISSN 0023-432X. - Vol. 53, iss. 4 (2015), s. 259-265. Zaradené v: Current Content Connect, Web of Science Core Collection; SCOPUS.</p>