

Ermiia Aghaie

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tribological behavior of ZK60 magnesium matrix composite reinforced by hybrid MWCNTs/B4C prepared by stir casting method. Tribology International, 2022, 165, 107299.	5.9	27
2	Residual stress, microstructure, and mechanical properties analysis of HPDC aluminum engine block with cast-in iron liners. Materials Today Communications, 2021, 26, 101814.	1.9	10
3	Effect of coating parameters on microstructure, corrosion behavior, hardness and formability of hot-dip Galvan and galvanized coatings. International Journal of Materials Research, 2021, 112, 321-332.	0.3	4
4	Effect of micro/nano TiO ₂ addition on the densification behavior and mechanical properties of multifunctional resistant porcelains. Ceramics International, 2021, 47, 17435-17444.	4.8	9
5	Corrosion and Wear Analysis of High-Velocity Oxy-Fuel Sprayed WC-10Co-4Cr and Colmonoy-6 Coatings on Nickel-Aluminum Bronze Alloy Substrate. Journal of Materials Engineering and Performance, 2021, 30, 7564-7576.	2.5	5
6	Synthesis of ZnO@Ag ₂ CO ₃ @Fe ₃ O ₄ @rGO core-shell structure: magnetically separable photocatalyst for degradation of MB using the Box-Behnken design. Journal of Materials Science: Materials in Electronics, 2020, 31, 19554-19568.	2.2	8
7	Improving the mechanical properties of the B319 aluminum alloy by addition of cerium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 793, 139899.	5.6	22
8	In-Situ Fitness-for-Service Assessment of Aluminum Alloys Developed for Automotive Powertrain Lightweighting. Minerals, Metals and Materials Series, 2018, , 397-400.	0.4	4
9	Study of 55Al-43.6Zn-1.6Si Alloy Coating Parameters over St37 Steel Sheet via Hot-Dipping Process and its Corrosion Behavior. Silicon, 2018, 10, 2431-2438.	3.3	6
10	Split tensile strength of slag-based boroaluminosilicate geopolymer. Journal of the Australian Ceramic Society, 2018, 54, 65-70.	1.9	14
11	Residual Stress Analysis of A362 Aluminum Alloy Gear Case Using Neutron Diffraction. Materials Science Forum, 2018, 941, 1288-1294.	0.3	8
12	Synthesis of magnetite (Fe ₃ O ₄)@Avastin nanocomposite as a potential drug for AMD treatment. Micro and Nano Letters, 2018, 13, 1141-1145.	1.3	2
13	Properties of Various Phases in Al Powertrain Alloys: A Review. , 2018, , .		2
14	Alumina-Silica Composite Coatings on Aluminum by Plasma Electrolytic Oxidation: The Effect of Coating Time on Microstructure, Phase, and Corrosion Behavior. Journal of Materials Engineering and Performance, 2017, 26, 2663-2670.	2.5	9
15	Effect of SiC particles on thermal conductivity of Al-4%Cu/SiC composites. Heat and Mass Transfer, 2017, 53, 3621-3627.	2.1	28
16	Internal oxidation and crack susceptibility of alloy 310S stainless steel after long term exposure to supercritical water at 500°C. Journal of Supercritical Fluids, 2017, 120, 161-172.	3.2	34
17	Influence of Fe ₃ O ₄ Nanoparticles in Hydroxyapatite Scaffolds on Proliferation of Primary Human Fibroblast Cells. Journal of Materials Engineering and Performance, 2016, 25, 2331-2339.	2.5	21
18	Evaluation of an Advanced Metal Bonded Coating Technology for Improved SAGD Performance. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	A comparative study of oxide scales grown on stainless steel and nickel-based superalloys in ultra-high temperature supercritical water at 800 Å°C. <i>Corrosion Science</i> , 2016, 106, 188-207.	6.6	121
20	Phosphorene: A new competitor for graphene. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4085-4095.	7.1	101
21	Evaluation of the photo-electro-catalytic behavior of nano-structured ZnO films fabricated by electrodeposition process. <i>Materials Letters</i> , 2016, 169, 140-143.	2.6	21
22	Effect of Al ₂ O ₃ -Ti composite coating on corrosion behavior of TiAl ₆ V ₄ alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 479-485.	1.5	10
23	Effect of Tricalcium Magnesium Silicate Coating on the Electrochemical and Biological Behavior of Ti-6Al-4V Alloys. <i>PLoS ONE</i> , 2015, 10, e0138454.	2.5	12
24	Corrosion and biological behavior of nanostructured 316L stainless steel processed by severe plastic deformation. <i>Surface and Interface Analysis</i> , 2015, 47, 978-985.	1.8	24
25	Effect of Equal Channel Angular Pressing Process on the Corrosion Behavior of Type 316L Stainless Steel in Ringer's Solution. <i>Corrosion</i> , 2015, 71, 367-375.	1.1	16
26	Effect of TiO ₂ -Ti and TiO ₂ -TiN composite coatings on corrosion behavior of NiTi alloy. <i>Surface and Interface Analysis</i> , 2015, 47, 99-104.	1.8	8
27	Effect of surface modification by nitrogen ion implantation on the electrochemical and cellular behaviors of super-elastic NiTi shape memory alloy. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2605-2617.	3.6	24
28	Electrochemical and cellular behavior of ultrafine-grained titanium in vitro. <i>Materials Science and Engineering C</i> , 2014, 39, 299-304.	7.3	73
29	Effect of SiC concentration in electrolyte on Ni-SiC composite coating properties. <i>Surface Engineering</i> , 2013, 29, 177-182.	2.2	37