

Ermiya Aghaie

List of Publications by Year in descending order

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29
papers

663
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687363

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | Phosphorene: A new competitor for graphene. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4085-4095. | 7.1 | 101 |
| 3 | Electrochemical and cellular behavior of ultrafine-grained titanium in vitro. <i>Materials Science and Engineering C</i> , 2014, 39, 299-304. | 7.3 | 73 |
| 4 | Effect of SiC concentration in electrolyte on Ni-ÅSiC composite coating properties. <i>Surface Engineering</i> , 2013, 29, 177-182. | 2.2 | 37 |
| 5 | Internal oxidation and crack susceptibility of alloy 310S stainless steel after long term exposure to supercritical water at 500Å°C. <i>Journal of Supercritical Fluids</i> , 2017, 120, 161-172. | 3.2 | 34 |
| 6 | Effect of SiC particles on thermal conductivity of Al-4%Cu/SiC composites. <i>Heat and Mass Transfer</i> , 2017, 53, 3621-3627. | 2.1 | 28 |
| 7 | Tribological behavior of ZK60 magnesium matrix composite reinforced by hybrid MWCNTs/B4C prepared by stir casting method. <i>Tribology International</i> , 2022, 165, 107299. | 5.9 | 27 |
| 8 | 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 |
| 9 | 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 |
| 10 | Improving the mechanical properties of the B319 aluminum alloy by addition of cerium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 793, 139899. | 5.6 | 22 |
| 11 | Influence of Fe3O4 Nanoparticles in Hydroxyapatite Scaffolds on Proliferation of Primary Human Fibroblast Cells. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 2331-2339. | 2.5 | 21 |
| 12 | 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 |
| 13 | 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 |
| 14 | Split tensile strength of slag-based boroaluminosilicate geopolymer. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 65-70. | 1.9 | 14 |
| 15 | 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 |
| 16 | Effect of Al ₂ O ₃ -Ti composite coating on corrosion behavior of Ti ₆ V ₄ alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 479-485. | 1.5 | 10 |
| 17 | Residual stress, microstructure, and mechanical properties analysis of HPDC aluminum engine block with cast-in iron liners. <i>Materials Today Communications</i> , 2021, 26, 101814. | 1.9 | 10 |
| 18 | Alumina-Silica Composite Coatings on Aluminum by Plasma Electrolytic Oxidation: The Effect of Coating Time on Microstructure, Phase, and Corrosion Behavior. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 2663-2670. | 2.5 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Effect of micro/nano TiO ₂ addition on the densification behavior and mechanical properties of multifunctional resistant porcelains. <i>Ceramics International</i> , 2021, 47, 17435-17444. | 4.8 | 9 |
| 20 | 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 |
| 21 | Residual Stress Analysis of A362 Aluminum Alloy Gear Case Using Neutron Diffraction. <i>Materials Science Forum</i> , 2018, 941, 1288-1294. | 0.3 | 8 |
| 22 | 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. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19554-19568. | 2.2 | 8 |
| 23 | Study of 55Al-43.6Zn-1.6Si Alloy Coating Parameters over St37 Steel Sheet via Hot-Dipping Process and its Corrosion Behavior. <i>Silicon</i> , 2018, 10, 2431-2438. | 3.3 | 6 |
| 24 | Corrosion and Wear Analysis of High-Velocity Oxy-Fuel Sprayed WC-10Co-4Cr and Colmonoy-6 Coatings on Nickel-Aluminum Bronze Alloy Substrate. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 7564-7576. | 2.5 | 5 |
| 25 | In-Situ Fitness-for-Service Assessment of Aluminum Alloys Developed for Automotive Powertrain Lightweighting. <i>Minerals, Metals and Materials Series</i> , 2018, , 397-400. | 0.4 | 4 |
| 26 | Effect of coating parameters on microstructure, corrosion behavior, hardness and formability of hot-dip Galvan and galvanized coatings. <i>International Journal of Materials Research</i> , 2021, 112, 321-332. | 0.3 | 4 |
| 27 | Evaluation of an Advanced Metal Bonded Coating Technology for Improved SAGD Performance. , 2016, , . | | 3 |
| 28 | Synthesis of magnetite (Fe ₃ O ₄)@Avastin nanocomposite as a potential drug for AMD treatment. <i>Micro and Nano Letters</i> , 2018, 13, 1141-1145. | 1.3 | 2 |
| 29 | Properties of Various Phases in Al Powertrain Alloys: A Review. , 2018, , . | | 2 |