

Ali Ashrafi

List of Publications by Year in descending order

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27
papers

344
citations

840776

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all docs

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28
times ranked

362
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and corrosion behavior of Al-Co-rare earth (Ce-La) amorphous alloy. <i>Journal of Rare Earths</i> , 2023, 41, 771-779.	4.8	5
2	The Effect of Bonding Time on Dissimilar Joint Properties Between Inconel 625 and AISI 316L Using Transient Liquid Phase Bonding Method with Cu Interlayer. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 3311-3325.	2.5	4
3	Asymmetric Cu Diffusion in Transient Liquid Phase (TLP) Bonding of Inconel 625 to AISI 316L Stainless Steel with Cu Interlayer. <i>Journal of Phase Equilibria and Diffusion</i> , 2022, 43, 43-50.	1.4	1
4	Graphene oxide decorated with gold enables efficient biophotovoltaic cells incorporating photosystem I. <i>RSC Advances</i> , 2022, 12, 8783-8791.	3.6	9
5	Microstructure and corrosion resistance of TLPB of Inconel 625 to 316l SS. <i>Materials Science and Technology</i> , 2022, 38, 444-452.	1.6	1
6	Microstructure and Corrosion Properties of Electrodeposited CoCrFeMnNi High Entropy Alloy Coatings. <i>Frontiers in Materials</i> , 2022, 9, .	2.4	3
7	A highly responsive healing agent for the autonomous repair of anti-corrosion coatings on wet surfaces. In operando assessment of the self-healing process. <i>Journal of Materials Science</i> , 2021, 56, 1794-1813.	3.7	19
8	Characterization of Co-Cr-Fe-Mn-Ni High-Entropy Alloy Thin Films Synthesized by Pulse Electrodeposition: Part 2: Effect of Pulse Electrodeposition Parameters on the Wettability and Corrosion Resistance. <i>Metals and Materials International</i> , 2021, 27, 106-117.	3.4	23
9	Cathodic disbonding of self-healing composite coatings: effect of ethyl cellulose micro/nanocapsules. <i>Corrosion Engineering Science and Technology</i> , 2021, 56, 659-667.	1.4	2
10	Transient Liquid Phase Bonding of Al-2% Nanoclay Composite: Microstructural Characterization and Mechanical Properties. <i>Transactions of the Indian Institute of Metals</i> , 2021, 74, 2285-2295.	1.5	0
11	Fullerenes Enhance Self-Assembly and Electron Injection of Photosystem I in Biophotovoltaic Devices. <i>Langmuir</i> , 2021, 37, 11465-11473.	3.5	9
12	The influence of the healing agent characteristics on the healing performance of epoxy coatings: Assessment of the repair process by EIS technique. <i>Progress in Organic Coatings</i> , 2021, 159, 106431.	3.9	8
13	Synthesis of CoCrFeMnNi High Entropy Alloy Thin Films by Pulse Electrodeposition: Part 1: Effect of Pulse Electrodeposition Parameters. <i>Metals and Materials International</i> , 2020, 26, 1262-1269.	3.4	30
14	Evaluation of microstructure and mechanical properties of transient liquid phase bonding of Inconel 718 and nano/ultrafine-grained 304L stainless steel. <i>Journal of Manufacturing Processes</i> , 2020, 49, 162-174.	5.9	29
15	Effect of pressure, temperature and homogenization on the dissolution behavior and mechanical properties of IN718/AISI 304 during transient liquid phase bonding. <i>Journal of Manufacturing Processes</i> , 2020, 60, 213-226.	5.9	15
16	Development of self-healing coatings based on ethyl cellulose micro/nano-capsules. <i>Surface Engineering</i> , 2019, 35, 273-280.	2.2	20
17	Effect of graphene oxide and friction stir processing on microstructure and mechanical properties of Al5083 matrix composite. <i>Materials Research Express</i> , 2019, 6, 106566.	1.6	16
18	Chitosan-heparin nanoparticle coating on anodized NiTi for improvement of blood compatibility and biocompatibility. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 159-168.	7.5	47

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19	Facile strategy toward the development of a self-healing coating by electrospray method. <i>Materials Research Express</i> , 2019, 6, 116444.	1.6	19
20	The use of low duty cycle pulsed-unipolar current mode for producing Alumina/ZnO nanocomposite coatings via plasma electrolytic oxidation process. <i>Materials Research Express</i> , 2019, 6, 076555.	1.6	6
21	Role of Heat Treatment on the Fabrication and Electrochemical Property of Ordered TiO ₂ Nanotubular Layer on the As-Cast NiTi. <i>Metals and Materials International</i> , 2019, 25, 617-626.	3.4	9
22	Surface Characterization of Incoloy 825 Ni-Based Alloy/2507 Super Duplex Stainless Steel Dissimilar Friction Stir Welds. <i>Corrosion</i> , 2018, 74, 1259-1271.	1.1	5
23	Corrosion Behavior of Nano-/Ultrafine-Grained Al-0.2Åwt.% Sc Alloy Produced by Accumulative Roll Bonding (ARB). <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 4253-4260.	2.5	5
24	Synthesis and characterization of ethyl cellulose micro/nanocapsules using solvent evaporation method. <i>Colloid and Polymer Science</i> , 2018, 296, 1509-1514.	2.1	23
25	Toxicity of chlorpyrifos against <i>Rhyzopertha dominica</i> and <i>Tribolium confusum</i> adults on different surfaces. <i>Toxin Reviews</i> , 2017, 36, 57-62.	3.4	5
26	Modified Sol-Gel Based Nanostructured Zirconia Thin Film: Preparation, Characterization, Photocatalyst and Corrosion Behavior. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 932-942.	3.7	16
27	Nanosized scale roughness and corrosion protection of mild steel in hydrochloric acid solution and in the presence of Turmeric (<i>Curcuma Longa</i>) Extract as a green corrosion inhibitor: FTIR, polarization, EIS, SEM, EDS, AFM studies, and neural network modeling. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 2001-2015.	2.6	11