

Ali Ashrafi

List of Publications by Year in descending order

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papers

344
citations

840776

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all docs

28
docs citations

28
times ranked

362
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan-heparin nanoparticle coating on anodized NiTi for improvement of blood compatibility and biocompatibility. International Journal of Biological Macromolecules, 2019, 127, 159-168.	7.5	47
2	Synthesis of CoCrFeMnNi High Entropy Alloy Thin Films by Pulse Electrodeposition: Part 1: Effect of Pulse Electrodeposition Parameters. Metals and Materials International, 2020, 26, 1262-1269.	3.4	30
3	Evaluation of microstructure and mechanical properties of transient liquid phase bonding of Inconel 718 and nano/ultrafine-grained 304L stainless steel. Journal of Manufacturing Processes, 2020, 49, 162-174.	5.9	29
4	Synthesis and characterization of ethyl cellulose micro/nanocapsules using solvent evaporation method. Colloid and Polymer Science, 2018, 296, 1509-1514.	2.1	23
5	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. Metals and Materials International, 2021, 27, 106-117.	3.4	23
6	Development of self-healing coatings based on ethyl cellulose micro/nano-capsules. Surface Engineering, 2019, 35, 273-280.	2.2	20
7	Facile strategy toward the development of a self-healing coating by electrospray method. Materials Research Express, 2019, 6, 116444.	1.6	19
8	A highly responsive healing agent for the autonomous repair of anti-corrosion coatings on wet surfaces. In operando assessment of the self-healing process. Journal of Materials Science, 2021, 56, 1794-1813.	3.7	19
9	Modified Sol-Gel Based Nanostructured Zirconia Thin Film: Preparation, Characterization, Photocatalyst and Corrosion Behavior. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 932-942.	3.7	16
10	Effect of graphene oxide and friction stir processing on microstructure and mechanical properties of Al5083 matrix composite. Materials Research Express, 2019, 6, 106566.	1.6	16
11	Effect of pressure, temperature and homogenization on the dissolution behavior and mechanical properties of IN718/AISI 304 during transient liquid phase bonding. Journal of Manufacturing Processes, 2020, 60, 213-226.	5.9	15
12	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. Journal of Adhesion Science and Technology, 2014, 28, 2001-2015.	2.6	11
13	Role of Heat Treatment on the Fabrication and Electrochemical Property of Ordered TiO ₂ Nanotubular Layer on the As-Cast NiTi. Metals and Materials International, 2019, 25, 617-626.	3.4	9
14	Fullerenes Enhance Self-Assembly and Electron Injection of Photosystem I in Biophotovoltaic Devices. Langmuir, 2021, 37, 11465-11473.	3.5	9
15	Graphene oxide decorated with gold enables efficient biophotovoltaic cells incorporating photosystem I. RSC Advances, 2022, 12, 8783-8791.	3.6	9
16	The influence of the healing agent characteristics on the healing performance of epoxy coatings: Assessment of the repair process by EIS technique. Progress in Organic Coatings, 2021, 159, 106431.	3.9	8
17	The use of low duty cycle pulsed-unipolar current mode for producing Alumina/ZnO nanocomposite coatings via plasma electrolytic oxidation process. Materials Research Express, 2019, 6, 076555.	1.6	6
18	Toxicity of chlorpyrifos against <i>Rhyzopertha dominica</i> and <i>Tribolium confusum</i> adults on different surfaces. Toxin Reviews, 2017, 36, 57-62.	3.4	5

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	Microstructure and Corrosion Properties of Electrodeposited CoCrFeMnNi High Entropy Alloy Coatings. <i>Frontiers in Materials</i> , 2022, 9, .	2.4	3
24	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
25	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
26	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
27	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