

Mahdi Mozammel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Modification of the single tetraethoxysilane-treated anodized aluminum by the trimethoxy(propyl)silane retreatment for corrosion protection. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 67-83.	2.9	3
2	Antifungal effects of ZnO-TiO ₂ /Au nanostructures on <i>Aspergillus flavus</i> . <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 793-802.	1.9	4
3	Antifungal effects of ZnO, TiO ₂ and ZnO-TiO ₂ nanostructures on <i>Aspergillus flavus</i> . <i>Pesticide Biochemistry and Physiology</i> , 2021, 176, 104869.	3.6	27
4	Effect of Chemical Composition of Tetraethoxysilane and Trimethoxy(Propyl)Silane Hybrid Sol on Hydrophobicity and Corrosion Resistance of Anodized Aluminum. <i>Silicon</i> , 2020, 12, 867-882.	3.3	9
5	Efficient one-step fabrication of superhydrophobic nano-TiO ₂ /TMPSi ceramic composite coating with enhanced corrosion resistance on 316L. <i>Ceramics International</i> , 2020, 46, 1652-1661.	4.8	39
6	Theoretical, fundamental and experimental study of Liquid-repellency and corrosion resistance of fabricated superamphiphobic surface on Al alloy 2024. <i>Chemical Engineering Journal</i> , 2020, 387, 124046.	12.7	32
7	Multifunctional cobalt coating with exceptional amphiphobic properties: self-cleaning and corrosion inhibition. <i>Surfaces and Interfaces</i> , 2020, 21, 100744.	3.0	11
8	Hierarchical architecture of a superhydrophobic Cd-Si co-doped TiO ₂ thin film. <i>Applied Surface Science</i> , 2020, 533, 147495.	6.1	15
9	Effect of Pre-treatment on Roughness and Hydrophobicity of Electro-Etched Steel with Improved Corrosion Resistance. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 5950-5958.	2.5	9
10	The Influence of TMPSi Post-treatment on the Corrosion Resistance Behavior of TMPSi Pre-treated Anodized Aluminum: Characterization and Mechanism. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4082-4094.	3.7	3
11	Highly porous, flexible and robust cellulose acetate/Au/ZnO as a hybrid photocatalyst. <i>Applied Surface Science</i> , 2020, 526, 146237.	6.1	26
12	The role of TiO ₂ nanoparticles on the topography and hydrophobicity of electrodeposited Ni-TiO ₂ composite coating. <i>Surface Topography: Metrology and Properties</i> , 2020, 8, 025008.	1.6	10
13	The role of Sn-Fe co-doping on the atomic structure, phase transformation and antibacterial activity of TiO ₂ nanoparticles. <i>Materials Research Express</i> , 2019, 6, 1050c1.	1.6	13
14	Atmospheric leaching of chalcopyrite in the presence of some polar organic reagents: A comparative study and optimization. <i>Hydrometallurgy</i> , 2019, 189, 105120.	4.3	13
15	Superhydrophobic and corrosion resistant properties of electrodeposited Ni-TiO ₂ /TMPSi nanocomposite coating. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 573, 196-204.	4.7	53
16	Antibacterial and heavy ion removal properties of La- and Ti-doped ZnO nanoparticles. <i>Materials Research Express</i> , 2019, 6, 085010.	1.6	20
17	Reduction of Carbon Dioxide to Carbon Nanostructures in Molten Salt: The Effect of Electrolyte Composition. <i>Jom</i> , 2019, 71, 2103-2111.	1.9	9
18	Evaluation of the effect of high concentration of dopant (Cr, Sn) on structural, optical, and wettability properties of ZnO thin films. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 999-1007.	1.9	9

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19	Growth mechanism and charge transport properties of hybrid Au/ZnO nanoprisms. <i>Journal of Alloys and Compounds</i> , 2019, 777, 1386-1395.	5.5	27
20	Fabrication of superhydrophobic titanium dioxide coating on AISI 316L stainless steel by electrophoretic deposition and using trimethoxy(propyl)silane modification. <i>Surface Engineering</i> , 2019, 35, 456-465.	2.2	16
21	Effect of Surface Roughness of 316 L Stainless Steel Substrate on the Morphological and Super-Hydrophobic Property of TiO ₂ Thin Films Coatings. <i>Silicon</i> , 2018, 10, 2603-2607.	3.3	19
22	Fabrication of improved La _{0.8} Sr _{0.2} MnO ₃ cathode layer for solid oxide fuel cells using economical coating methods. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 328-337.	2.1	5
23	Effect of Hydrothermal Sealing on Wettability and Electrochemical Behavior of TMPSi Treated Anodized Aluminum. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2494-2504.	3.7	3
24	Effect of Cu and Zr Co-doped SiO ₂ Nanoparticles on the Stability of Phases (Quartz-Tridymite-Cristobalite) and Degradation of Methyl Orange at High Temperature. <i>Silicon</i> , 2017, 9, 293-299.	3.3	10
25	Structural and wettability investigation of titanium dioxide coating: influence of dopant concentration (Si and Sr). <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12467-12474.	2.2	2
26	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
27	Degradation of water-soluble methyl orange in visible light with the use of silver and copper co-doped TiO ₂ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5336-5343.	2.2	11
28	Porosity, microstructure and mechanical behavior of NiO/YSZ composite anode for solid oxide fuel cells. <i>International Journal of Materials Research</i> , 2017, 108, 857-863.	0.3	6
29	Photodegradation of organic dye using co-doped Ag/Cu TiO ₂ nanoparticles: synthesis and characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 16776-16787.	2.2	6
30	The optical, photo catalytic behavior and hydrophilic properties of silver and tin co doped TiO ₂ thin films using sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3571-3580.	2.2	22
31	Enhanced optical and hydrophilic properties of Si and Cd co-doped TiO ₂ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4598-4605.	2.2	11
32	Yttria-stabilized zirconia thin film electrolyte deposited by EB-PVD on porous anode support for SOFC applications. <i>Ceramics International</i> , 2017, 43, 3035-3042.	4.8	29
33	Effect of Sn and La doping on optical and hydrophilic properties of TiO ₂ thin film. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	14
34	Enhanced structural, optical and super-hydrophilic properties of TiO ₂ thin film co-doped by V and Sn. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10541-10549.	2.2	17
35	The influence of pre-oxidation and leaching parameters on Iranian ilmenite concentrate leaching efficiency: Optimization and measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 66, 184-194.	5.0	10
36	Kinetics and reaction mechanism of isothermal oxidation of Iranian ilmenite concentrate powder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 112, 781-789.	3.6	25

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37	Kinetics of pressure oxidative leaching of molybdenite concentrate by nitric acid. Hydrometallurgy, 2012, 111-112, 52-57.	4.3	47
38	Breakthrough curves for adsorption and elution of rhenium in a column ion exchange system. Hydrometallurgy, 2007, 85, 17-23.	4.3	29