Zhen He

List of Publications by Year
in descending order

24 papers	303 citations	1039406 9 h-index	940134 16 g-index
24 all docs	24 docs citations	24 times ranked	143 citing authors

#	Article	IF	Citations
1	Potentiostatic electrodeposition of self-supported Ni S electrocatalyst supported on Ni foam for efficient hydrogen evolution. Materials and Design, 2021, 198, 109316.	3.3	42
2	Influence of pretreatments on physicochemical properties of Ni-P coatings electrodeposited on aluminum alloy. Materials and Design, 2021, 197, 109233.	3.3	38
3	Potentiostatic electrodeposited of Niâ€“Feâ€“Sn on Ni foam served as an excellent electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 26930-26939.	3.8	29
4	PbO2 electrodes prepared by pulse reverse electrodeposition and their application in benzoic acid degradation. Journal of Electroanalytical Chemistry, 2018, 812, 74-81.	1.9	28
5	Mechanical properties of Ni-based coatings fabricated by electroless plating method. Surface Engineering, 2020, 36, 944-951.	1.1	25
6	Preparation of Coâ€“Pâ€“TiO₂ nanocomposite coatings via a pulsed electrodeposition process. Surface Engineering, 2020, 36, 975-981.	1.1	17
7	Effects of heat treatment on the properties of Coâ€“Pâ€“TiO₂ nanocomposite coatings. Surface Engineering, 2020, 36, 720-726.	1.1	15
8	Properties of Micro-Arc Oxidation Coatings on 5052 Al Alloy Sealed by SiO2 Nanoparticles. Coatings, 2022, 12, 373.	1.2	13
9	Cuâ€“TiO2 nanocomposite coatings prepared from sol-enhanced electrodeposition. International Journal of Modern Physics B, 2020, 34, 2040038.	1.0	11
10	Preparation and characterisation of AAO/Ni/Ni superhydrophobic coatings on aluminium alloys. Surface Engineering, 2021, 37, 1246-1254.	1.1	11
11	Nanostructured Superhydrophobic Titanium-Based Materials: A Novel Preparation Pathway to Attain Superhydrophobicity on TC4 Alloy. Nanomaterials, 2022, 12, 2086.	1.9	11
12	Effects of deposition time and current density on PbO2 electrosynthesis from methanesulfonate electrolyte. Journal of Applied Electrochemistry, 2018, 48, 783-791.	1.5	10
13	Cobaltâ€“phosphorusâ€“titanium oxide nanocomposite coatings: structures, properties, and corrosions studies. Journal of Materials Science: Materials in Electronics, 2019, 30, 19940-19947.	1.1	9
14	Physicochemical Characterization of PbO₂ Coatings Electrosynthesized from a Methanesulfonate Electrolytic Solution. Journal of the Electrochemical Society, 2018, 165, D670-D675.	1.3	8
15	Microstructure and Properties of Duplex Ni-P-TiO2/Ni-P Nanocomposite Coatings. Materials Research, 2019, 22, .	0.6	8
16	Cuâ€“Snâ€“Zn nanocomposite coatings prepared by TiO2 sol-enhanced electrodeposition. Journal of Applied Electrochemistry, 2020, 50, 875-885.	1.5	8
17	Preparation and properties of Ni-W-P-TiO2 nanocomposite coatings developed by a sol-enhanced electroplating method. Chinese Journal of Chemical Engineering, 2022, 44, 369-376.	1.7	6
18	Effect of Iron Ion on Corrosion Behavior of Inconel 625 in High-Temperature Water. Scanning, 2020, 2020, 1-8.	0.7	5

#	Article	IF	Citations
19	Ti/SnO2-Sb2Ox-TiO2 Electrodeposited from Methanesulfonate Electrolytes: Preparation, Properties, and Performance. Coatings, 2022, 12, 366.	1.2	4
20	Preparation of Nano-SiO2-Coated Graphite Films by a Laser-Assisted Solâ€“Gel Process. Journal of Materials Engineering and Performance, 2019, 28, 5146-5155.	1.2	2
21	Improved mechanical properties of Cuâ€“Snâ€“Znâ€“TiO₂ coatings. International Journal of Modern Physics B, 2020, 34, 2040039.	1.0	2
22	The hierarchical surface on AZ31 magnesium alloy: Preparation, properties, and performance. International Journal of Modern Physics B, 0, , .	1.0	1
23	The laser-prepared SiC nanocoating: preparation, properties and high-temperature oxidation performance. Materials Research Express, 2021, 8, 085003.	0.8	0
24	Fabrication and characterization of Niâ€“Feâ€“Pâ€“TiO₂ nanocomposite coatings. International Journal of Modern Physics B, 0, , .	1.0	0