Qiongyu Zhou

List of Publications by Year
in descending order

39	1,007	430874	434195
papers	citations	18 h-index	31 g-index

39	39	39	1030
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Corrosion behavior of Hf0.5Nb0.5Ta0.5Ti1.5Zr refractory high-entropy in aqueous chloride solutions. Electrochemistry Communications, 2019, 98, 63-68.	4.7	106
2	Preparation of Niâ€“Wâ€“SiO2 nanocomposite coating and evaluation of its hardness and corrosion resistance. Ceramics International, 2015, 41, 79-84.	4.8	89
3	Hollowâ€“structure NiCo hydroxide/carbon nanotube composite for Highâ€“Performance supercapacitors. Journal of Power Sources, 2019, 426, 111-115.	7.8	86
4	The effects of nano-SiO2 additive on the zinc phosphating of carbon steel. Surface and Coatings Technology, 2011, 205, 3455-3460.	4.8	68
5	Flexible Phosphorus-Doped Graphene/Metalâ€“Organic Framework-Derived Porous Fe₂O₃ Anode for Lithium-Ion Battery. ACS Applied Energy Materials, 2020, 3, 11900-11906.	5.1	64
6	Preparation of Fe2B boride coating on low-carbon steel surfaces and its evaluation of hardness and corrosion resistance. Surface and Coatings Technology, 2011, 206, 473-478.	4.8	63
7	Network-like porous Co-Ni-B grown on carbon cloth as efficient and stable catalytic electrodes for hydrogen evolution. Electrochemistry Communications, 2018, 93, 104-108.	4.7	47
8	NASICON Li_{1.2}Mg_{0.1}Zr_{1.9}(PO₄)₃ Solid Electrolyte for an Allâ€Solidâ€State Liâ€Metal Battery. Small Methods, 2020, 4, 2000764.	8.6	42
9	Effect of salicylaldehyde on microstructure and corrosion resistance of electrodeposited nanocrystalline Niâ€“W alloy coatings. Surface and Coatings Technology, 2015, 283, 148-155.	4.8	41
10	High Li-ion conductive composite polymer electrolytes for all-solid-state Li-metal batteries. Journal of Power Sources, 2021, 482, 228929.	7.8	36
11	Design and fabrication of metal-organic frameworks nanosheet arrays constructed by interconnected nanohoneycomb-like nickel-cobalt oxide for high energy density asymmetric supercapacitors. Electrochimica Acta, 2020, 342, 136077.	5.2	30
12	Designed synthesis of 2D multilayer CuCo2S4 nanomaterials for high-performance asymmetric supercapacitors. Vacuum, 2020, 182, 109698.	3.5	28
13	Preparation of Cuâ€“Niâ€“Fe alloy coating and its evaluation on corrosion behavior in 3.5% NaCl solution. Journal of Alloys and Compounds, 2013, 563, 171-175.	5.5	27
14	Fabrication of porous Cu supported Ni-P/CeO2 composite coatings for enhanced hydrogen evolution reaction in alkaline solution. Ceramics International, 2020, 46, 20871-20877.	4.8	23
15	Effect of microalloying and tensile deformation on the internal structures of eutectic Si phase in Al-Si alloy. Journal of Materials Research and Technology, 2020, 9, 4682-4691.	5.8	22
16	CoWO4/CoP2 nanoflakes grown on carbon nanotube film as an efficient electrocatalyst for water splitting in alkaline media. Applied Surface Science, 2020, 514, 145919.	6.1	21
17	Preparation and characterisation of nickelâ€“nano-B₄C composite coatings. Surface Engineering, 2012, 28, 612-619.	2.2	20
18	Synthesis of novel platinum-on-flower-like nickel catalysts and their applications in hydrogenation reaction. Applied Surface Science, 2017, 423, 836-844.	6.1	19

#	Article	IF	Citations
19	A superhard allotrope of carbon: Ibam-C and its BN phase. Chemical Physics Letters, 2019, 714, 119-124.	2.6	19
20	Facile ethylene glycol-assisted hydrothermal synthesis of MoO₂ nanospheres for highâ€“performance supercapacitors. Materials Research Express, 2019, 6, 095044.	1.6	17
21	Stress aging of Alâ€“Cuâ€“Mgâ€“Ag single crystal: The effect of the loading orientations. Journal of Alloys and Compounds, 2020, 816, 152635.	5.5	16
22	Preparation of passive Cuâ€“Niâ€“Fe coating on low-carbon steel for improving corrosion resistance. Surface and Coatings Technology, 2012, 207, 503-507.	4.8	15
23	The microstructure and property of Alâ€“Si alloy improved by the Sc-microalloying and Y₂O₃ nano-particles. Science and Technology of Advanced Materials, 2021, 22, 205-217.	6.1	13
24	Improving the comprehensive mechanical property of the rheo-extruded Al-Fe alloy by severe rolling deformation. Journal of Materials Research and Technology, 2020, 9, 1768-1779.	5.8	12
25	ELECTRODEPOSITION AND CORROSION RESISTANCE OF Niâ€“Wâ€“Al2O3 NANOCOMPOSITE COATINGS. Surface Review and Letters, 2017, 24, 1850015.	1.1	11
26	Shape control of nickel crystals and catalytic hydrogenation performance of ruthenium-on-Ni crystals. CrystEngComm, 2018, 20, 113-121.	2.6	10
27	Grain Boundary Characteristics Optimization of 90Cuâ€“10Ni Copper-Nickel Alloy for Improving Corrosion Resistance. Corrosion, 2018, 74, 819-828.	1.1	9
28	Influence of La addition on the semi-conductive properties of passive films formed on Cu-Ni alloy. Materials Research Express, 2018, 5, 056513.	1.6	8
29	Investigations of Local Corrosion Behavior of Plasma-Sprayed FeCr Nanocomposite Coating by SECM. Journal of Thermal Spray Technology, 2016, 25, 595-604.	3.1	7
30	Synthesis and characterization of Fe-doped CdWO₄ nanoparticles with enhanced photocatalytic activity. Materials Research Express, 2019, 6, 035507.	1.6	6
31	Ultrasonic-assisted Niâ€“Moâ€“P doping hydrothermal synthesis of clustered spherical MoS₂ composite coating: wear and corrosion resistance. Surface Engineering, 2020, 36, 889-899.	2.2	6
32	Morphology, Structure, Microhardness and Corrosion Resistance of Ni-W Coating Annealed in Hydrogen and Argon Atmosphere. Journal of Materials Engineering and Performance, 2017, 26, 2465-2471.	2.5	5
33	Electrodeposition and Characterization of Niâ€“Wâ€“Cr2O3 Nanocomposite Coating. Metallography, Microstructure, and Analysis, 2017, 6, 519-526.	1.0	5
34	Electronic properties of the passive films growth on Cu-Ni alloy from the viewpoint of point defect model and power-law model. Materials Research Express, 2018, 5, 116534.	1.6	5
35	Laser melting deposition of duplex stainless-steel coating on high strength low alloy pipeline steels for improving wear and corrosion resistance. Materials Express, 2019, 9, 1009-1016.	0.5	3
36	Fabrication of Magnesium Phosphate Coating by Electrochemical Cathodic Method for Corrosion Protection of Sintered NdFeB Magnets. Journal of Materials Engineering and Performance, 2021, 30, 1200-1206.	2.5	3

#	Article	IF	Citations
37	The Effect of Cl⁻ Concentration on the Corrosion Behavior of Electroplated Cu-Ni-W Alloy Coating. Advanced Materials Research, 0, 785-786, 953-956.	0.3	2
38	ELECTRODEPOSITION BEHAVIOR OF Mn WITH Ni IN ACIDIC SULFATE SOLUTIONS. Surface Review and Letters, 2014, 21, 1450083.	1.1	2
39	A Magnetic Properties and Corrosion Resistance of Fe-Si Alloy Coating Prepared on Mild Steel. Medziagotyra, 2014, 20, .	0.2	1