Yuxin Wang

List of Publications by Year
in descending order

33 papers	678 citations	687363 13 h-index	580821 25 g-index
33 all docs	33 docs citations	33 times ranked	474 citing authors

#	Article	IF	Citations
1	Cavitation Erosion Behaviors of a Nickel-Free High-Nitrogen Stainless Steel. Tribology Letters, 2019, 67, 1.	2.6	73
2	Effect of hydrogen charging on microstructural evolution and corrosion behavior of Ti-4Al-2V-1Mo-1Fe alloy. Journal of Materials Science and Technology, 2021, 60, 168-176.	10.7	71
3	Microstructure and properties of sol-enhanced Ni-Co-TiO2 nano-composite coatings on mild steel. Journal of Alloys and Compounds, 2015, 649, 222-228.	5.5	61
4	Duplex Niâ€“Pâ€“ZrO2/Niâ€“P electroless coating on stainless steel. Journal of Alloys and Compounds, 2015, 630, 189-194.	5.5	59
5	Effect of solution treatment on cavitation erosion behavior of high-nitrogen austenitic stainless steel. Wear, 2019, 424-425, 70-77.	3.1	51
6	Nanoindentation study of electrodeposited Ag thin coating: An inverse calculation of anisotropic elastic-plastic properties. Surface and Coatings Technology, 2017, 310, 43-50.	4.8	38
7	Influence of pretreatments on physicochemical properties of Ni-P coatings electrodeposited on aluminum alloy. Materials and Design, 2021, 197, 109233.	7.0	38
8	Microstructure and properties of Cu-Sn-Zn-TiO2 nano-composite coatings on mild steel. Surface and Coatings Technology, 2018, 350, 801-806.	4.8	33
9	Microstructure and properties of sol-enhanced Co-P-TiO2 nano-composite coatings. Journal of Alloys and Compounds, 2019, 792, 617-625.	5.5	32
10	Mechanical properties and microstructure of Auâ€“Niâ€“TiO2 nano-composite coatings. Materials Characterization, 2015, 102, 189-194.	4.4	30
11	Corrosion and Tensile Behaviors of Ti-4Al-2V-1Mo-1Fe and Ti-6Al-4V Titanium Alloys. Metals, 2019, 9, 1213.	2.3	24
12	Preparation of Coâ€“Pâ€“TiO₂ nanocomposite coatings via a pulsed electrodeposition process. Surface Engineering, 2020, 36, 975-981.	2.2	17
13	Effects of heat treatment on the properties of Coâ€“Pâ€“TiO₂ nanocomposite coatings. Surface Engineering, 2020, 36, 720-726.	2.2	15
14	A Novel Electrolytic Plasma Spraying Preparation SiO2/SiC Coating on Carbon Fiber Fabric. Coatings, 2018, 8, 344.	2.6	13
15	Oxidation Characteristics and Electrical Properties of Doped Mn-Co Spinel Reaction Layer for Solid Oxide Fuel Cell Metal Interconnects. Coatings, 2018, 8, 42.	2.6	13
16	Properties of Micro-Arc Oxidation Coatings on 5052 Al Alloy Sealed by SiO2 Nanoparticles. Coatings, 2022, 12, 373.	2.6	13
17	Thermal Growth Cu1.2Mn1.8O4 Spinel Coatings on Metal Interconnects for Solid Oxide Fuel Cell Applications. Metals, 2017, 7, 522.	2.3	11
18	Nanostructured Superhydrophobic Titanium-Based Materials: A Novel Preparation Pathway to Attain Superhydrophobicity on TC4 Alloy. Nanomaterials, 2022, 12, 2086.	4.1	11

#	Article	IF	Citations
19	Effects of Bi Addition on the Microstructure and Mechanical Properties of Nanocrystalline Ag Coatings. Materials, 2017, 10, 932.	2.9	10
20	Influence of Bi addition on the property of Ag-Bi nano-composite coatings. Surface and Coatings Technology, 2018, 349, 217-223.	4.8	10
21	Cobaltâ€“phosphorusâ€“titanium oxide nanocomposite coatings: structures, properties, and corrosions studies. Journal of Materials Science: Materials in Electronics, 2019, 30, 19940-19947.	2.2	9
22	Recent Advancements in Selenium-Based Cathode Materials for Lithium Batteries: A Mini-Review. Electrochem, 2022, 3, 285-308.	3.3	9
23	Microstructure and Properties of Duplex Ni-P-TiO2/Ni-P Nanocomposite Coatings. Materials Research, 2019, 22, .	1.3	8
24	Cuâ€“Snâ€“Zn nanocomposite coatings prepared by TiO2 sol-enhanced electrodeposition. Journal of Applied Electrochemistry, 2020, 50, 875-885.	2.9	8
25	SiO2-Based Lithium-Ion Battery Anode Materials: A Brief Review. Journal of Electronic Materials, 2022, 51, 3379-3390.	2.2	6
26	Ti/SnO2-Sb2Ox-TiO2 Electrodeposited from Methanesulfonate Electrolytes: Preparation, Properties, and Performance. Coatings, 2022, 12, 366.	2.6	4
27	The microstructure and properties of sol-enhanced Snâ€“TiO2 nanocomposite coatings. International Journal of Modern Physics B, 2017, 31, 1744025.	2.0	3
28	Microstructure and properties of tin-cobalt nanocomposite coatings reinforced by titanium dioxide nanoparticles. Materials Research Express, 2019, 6, 126417.	1.6	3
29	Preparation of Nano-SiO2-Coated Graphite Films by a Laser-Assisted Solâ€“Gel Process. Journal of Materials Engineering and Performance, 2019, 28, 5146-5155.	2.5	2
30	Facile Synthesis of Carbon Nanospheres with High Capability to Inhale Selenium Powder for Electrochemical Energy Storage. Materials, 2021, 14, 6760.	2.9	2
31	Corrosion and Degradation of Materials. Coatings, 2022, 12, 969.	2.6	1
32	Effect of cold rolling on microstructural and mechanical properties of MG-7LI alloy. International Journal of Modern Physics B, 2020, 34, 2040035.	2.0	0
33	The laser-prepared SiC nanocoating: preparation, properties and high-temperature oxidation performance. Materials Research Express, 2021, 8, 085003.	1.6	0