

Yuxin Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ti/SnO ₂ -Sb ₂ O ₃ -TiO ₂ Electrodeposited from Methanesulfonate Electrolytes: Preparation, Properties, and Performance. <i>Coatings</i> , 2022, 12, 366.	2.6	4
2	Properties of Micro-Arc Oxidation Coatings on 5052 Al Alloy Sealed by SiO ₂ Nanoparticles. <i>Coatings</i> , 2022, 12, 373.	2.6	13
3	SiO ₂ -Based Lithium-Ion Battery Anode Materials: A Brief Review. <i>Journal of Electronic Materials</i> , 2022, 51, 3379-3390.	2.2	6
4	Recent Advancements in Selenium-Based Cathode Materials for Lithium Batteries: A Mini-Review. <i>Electrochem</i> , 2022, 3, 285-308.	3.3	9
5	Nanostructured Superhydrophobic Titanium-Based Materials: A Novel Preparation Pathway to Attain Superhydrophobicity on TC4 Alloy. <i>Nanomaterials</i> , 2022, 12, 2086.	4.1	11
6	Corrosion and Degradation of Materials. <i>Coatings</i> , 2022, 12, 969.	2.6	1
7	Effect of hydrogen charging on microstructural evolution and corrosion behavior of Ti-4Al-2V-1Mo-1Fe alloy. <i>Journal of Materials Science and Technology</i> , 2021, 60, 168-176.	10.7	71
8	Influence of pretreatments on physicochemical properties of Ni-P coatings electrodeposited on aluminum alloy. <i>Materials and Design</i> , 2021, 197, 109233.	7.0	38
9	The laser-prepared SiC nanocoating: preparation, properties and high-temperature oxidation performance. <i>Materials Research Express</i> , 2021, 8, 085003.	1.6	0
10	Facile Synthesis of Carbon Nanospheres with High Capability to Inhale Selenium Powder for Electrochemical Energy Storage. <i>Materials</i> , 2021, 14, 6760.	2.9	2
11	Effect of cold rolling on microstructural and mechanical properties of MG-7LI alloy. <i>International Journal of Modern Physics B</i> , 2020, 34, 2040035.	2.0	0
12	Preparation of Co/P-TiO ₂ nanocomposite coatings via a pulsed electrodeposition process. <i>Surface Engineering</i> , 2020, 36, 975-981.	2.2	17
13	Cu/Sn/Zn nanocomposite coatings prepared by TiO ₂ sol-enhanced electrodeposition. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 875-885.	2.9	8
14	Effects of heat treatment on the properties of Co/P-TiO ₂ nanocomposite coatings. <i>Surface Engineering</i> , 2020, 36, 720-726.	2.2	15
15	Cobalt-phosphorus-titanium oxide nanocomposite coatings: structures, properties, and corrosion studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19940-19947.	2.2	9
16	Preparation of Nano-SiO ₂ -Coated Graphite Films by a Laser-Assisted Sol-Gel Process. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5146-5155.	2.5	2
17	Effect of solution treatment on cavitation erosion behavior of high-nitrogen austenitic stainless steel. <i>Wear</i> , 2019, 424-425, 70-77.	3.1	51
18	Microstructure and Properties of Duplex Ni-P-TiO ₂ /Ni-P Nanocomposite Coatings. <i>Materials Research</i> , 2019, 22, .	1.3	8

#	ARTICLE	IF	CITATIONS
19	Microstructure and properties of sol-enhanced Co-P-TiO ₂ nano-composite coatings. Journal of Alloys and Compounds, 2019, 792, 617-625.	5.5	32
20	Microstructure and properties of tin-cobalt nanocomposite coatings reinforced by titanium dioxide nanoparticles. Materials Research Express, 2019, 6, 126417.	1.6	3
21	Corrosion and Tensile Behaviors of Ti-4Al-2V-1Mo-1Fe and Ti-6Al-4V Titanium Alloys. Metals, 2019, 9, 1213.	2.3	24
22	Cavitation Erosion Behaviors of a Nickel-Free High-Nitrogen Stainless Steel. Tribology Letters, 2019, 67, 1.	2.6	73
23	Microstructure and properties of Cu-Sn-Zn-TiO ₂ nano-composite coatings on mild steel. Surface and Coatings Technology, 2018, 350, 801-806.	4.8	33
24	Influence of Bi addition on the property of Ag-Bi nano-composite coatings. Surface and Coatings Technology, 2018, 349, 217-223.	4.8	10
25	A Novel Electrolytic Plasma Spraying Preparation SiO ₂ /SiC Coating on Carbon Fiber Fabric. Coatings, 2018, 8, 344.	2.6	13
26	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
27	The microstructure and properties of sol-enhanced Sn-TiO ₂ nanocomposite coatings. International Journal of Modern Physics B, 2017, 31, 1744025.	2.0	3
28	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
29	Thermal Growth Cu _{1.2} Mn _{1.8} O ₄ Spinel Coatings on Metal Interconnects for Solid Oxide Fuel Cell Applications. Metals, 2017, 7, 522.	2.3	11
30	Effects of Bi Addition on the Microstructure and Mechanical Properties of Nanocrystalline Ag Coatings. Materials, 2017, 10, 932.	2.9	10
31	Duplex Ni-P-ZrO ₂ /Ni-P electroless coating on stainless steel. Journal of Alloys and Compounds, 2015, 630, 189-194.	5.5	59
32	Mechanical properties and microstructure of Au-Ni-TiO ₂ nano-composite coatings. Materials Characterization, 2015, 102, 189-194.	4.4	30
33	Microstructure and properties of sol-enhanced Ni-Co-TiO ₂ nano-composite coatings on mild steel. Journal of Alloys and Compounds, 2015, 649, 222-228.	5.5	61