

Wang-ping Wu

List of Publications by Year in descending order

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49
papers

675
citations

516710

16
h-index

677142

22
g-index

49
all docs

49
docs citations

49
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrodeposition of Ir-Co thin films on copper foam as high-performance electrocatalysts for efficient water splitting in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 609-621.	7.1	39
2	The Effects of pH and Temperature on Electrodeposition of Re-Ir-Ni Coatings from Aqueous Solutions. <i>Journal of the Electrochemical Society</i> , 2015, 162, D20-D26.	2.9	35
3	Microstructure and evolution of iridium coating on the C/C composites ablated by oxyacetylene torch. <i>Acta Astronautica</i> , 2010, 66, 682-687.	3.2	34
4	Texture orientation, morphology and performance of nanocrystalline nickel coatings electrodeposited from a Watts-type bath: Effects of H3BO3 concentration and plating time. <i>Surface and Coatings Technology</i> , 2021, 424, 127648.	4.8	30
5	Tungsten and iridium multilayered structure by DGP as ablation-resistance coatings for graphite. <i>Applied Surface Science</i> , 2011, 257, 7295-7304.	6.1	29
6	Novel electrode material using electroless nickel plating for triboelectric nanogenerator: Study of the relationship between electrostatic-charge density and strain in dielectric material. <i>Nano Energy</i> , 2022, 92, 106734.	16.0	27
7	Microstructural Characterization and Mechanical Property of Iridium Coating Produced by Double Glow Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2011, 31, 465-475.	2.4	24
8	Effect of plating temperature on electroless amorphous Ni-P film on Si wafers in an alkaline bath solution. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 325-333.	3.1	24
9	Ir coating prepared on Nb substrate by double glow plasma. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009, 27, 590-594.	3.8	23
10	Ir coating prepared on Mo substrate by double glow plasma. <i>Journal of Coatings Technology Research</i> , 2009, 6, 517-522.	2.5	22
11	Iridium Coating: Processes, Properties and Application. Part I. <i>Johnson Matthey Technology Review</i> , 2017, 61, 16-28.	1.0	22
12	Effect of heat treatment at 1300°C on W coating prepared by double-glow plasma on carbon/carbon composite. <i>Journal of Coatings Technology Research</i> , 2009, 6, 237-241.	2.5	21
13	Effects of bias voltage and gas pressure on orientation and microstructure of iridium coating by double glow plasma. <i>Vacuum</i> , 2011, 86, 429-437.	3.5	19
14	Electrodeposition of Re-Ni alloys from aqueous solutions with organic additives. <i>Thin Solid Films</i> , 2016, 616, 828-837.	1.8	19
15	Electrodeposition of nickel-iridium alloy films from aqueous solutions. <i>Applied Surface Science</i> , 2018, 434, 307-317.	6.1	19
16	Incorporation graphene into sprayed epoxy-polyamide coating on carbon steel: corrosion resistance properties. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 625-632.	1.4	19
17	Textile-based triboelectric nanogenerators via electroless plating for fabricating electrode material: Study of the relationship between electrostatic-charge density and strain in dielectric material. <i>Composites Science and Technology</i> , 2022, 218, 109187.	7.8	19
18	Oxidation Resistance Coatings of Ir-Zr and Ir by Double Glow Plasma. <i>Journal of Materials Science and Technology</i> , 2014, 30, 268-274.	10.7	14

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19	Effect of Electroplating Variables on Electrodeposition of Ni Rich Ni-Ir Alloys from Citrate Aqueous Solutions. <i>Journal of the Electrochemical Society</i> , 2017, 164, D985-D993.	2.9	14
20	Electrochemical characteristics of iridium coating by double glow plasma discharge process on titanium alloy substrates. <i>Surface Engineering</i> , 2019, 35, 954-961.	2.2	14
21	Oxidation behavior of multilayer iridium coating on niobium substrate. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015, 51, 607-612.	1.1	13
22	Effect of gelatin additive on microstructure and composition of electrodeposited rhenium-nickel alloys in aqueous solutions. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	13
23	Ablation behavior of monolayer and multilayer Ir coatings under carburizing and oxidizing oxyacetylene flames. <i>Acta Astronautica</i> , 2016, 123, 1-7.	3.2	13
24	Iridium Coating: Processes, Properties and Application. Part II. <i>Johnson Matthey Technology Review</i> , 2017, 61, 93-110.	1.0	13
25	The influence of current density and bath temperature on electrodeposition of rhodium film from sulfate-phosphate aqueous solutions. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 1043-1054.	2.9	13
26	Ni ₃ S ₂ /rGO nanoparticles ensemble by an in-situ microwave irradiation route for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161435.	5.5	13
27	Electrodeposition and Thermal Stability of Re ₆₀ Ni ₄₀ Amorphous Alloy. <i>Electrochemistry</i> , 2016, 84, 699-704.	1.4	12
28	Galvanostatic Electrodeposition of Thin-Film Ir-Ni Electrocatalyst on Copper Foam for HER Performance in Alkaline Electrolyte. <i>Catalysis Letters</i> , 2020, 150, 1325-1336.	2.6	11
29	EBSD study of (110) orientation of iridium (Ir) coating on niobium (Nb) substrate by double glow plasma. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 307, 315-319.	1.4	10
30	Micropore formation mechanism in iridium coating after high-temperature treatment. <i>Surface and Interface Analysis</i> , 2016, 48, 353-359.	1.8	10
31	Fracture In Polycrystalline Iridium Coating. <i>International Journal of Fracture</i> , 2008, 153, 185-190.	2.2	9
32	Iridium Coating Deposited by Double Glow Plasma Technique – Effect of Glow Plasma on Structure of Coating at Single Substrate Edge. <i>Plasma Science and Technology</i> , 2012, 14, 909-914.	1.5	9
33	Preparation and Characterization of Ir Coating on WC Ceramic by Double Glow Plasma. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 2085-2089.	2.5	9
34	Morphology and mechanical characteristics of monolayer and multilayer Ir coating by double glow plasma. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 190-196.	1.0	9
35	Influence of thiourea on electroless Ni-P films deposited on silicon substrates. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7717-7724.	2.2	9
36	Corrosion failure analysis of Ni-P film of aircraft fire detector components. <i>Engineering Failure Analysis</i> , 2020, 111, 104497.	4.0	9

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37	Adhesion enhancement for nickel layer deposited on carbon fiber reinforced polymer (CFRP) composites by pretreatment processes for lightning strike. <i>Journal of Adhesion</i> , 2023, 99, 1099-1122.	3.0	6
38	Influences of Bath Chemistry and Plating Variables on Characteristics of Electroless Ni-P Films on Si Wafers from Alkaline Citrate Solutions. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-11.	2.7	4
39	Sodium hexabromoiridate(III) for the electroplating of Ir-Ni and Ir-Re-Ni alloy coatings. <i>Thin Solid Films</i> , 2022, 755, 139323.	1.8	4
40	Preparation of Strongly Adherent Platinum Coating by Double Glow Plasma Technology. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1705-1715.	2.6	3
41	Ir protective coatings for carbon structural materials. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 652-656.	1.0	3
42	Mechanical and electrochemical properties of platinum coating by double glow plasma on titanium alloy substrate. <i>Russian Journal of Electrochemistry</i> , 2013, 49, 76-80.	0.9	3
43	Fracture failure analysis of 4Cr13 stainless steel linkages in circuit breakers. <i>Case Studies in Engineering Failure Analysis</i> , 2016, 5-6, 23-29.	1.2	3
44	Microstructure and Friction-Wear Behavior of Multi-arc Ion Plating TiAlN Ceramic Coating on WC-6%Co Substrate. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 4665-4671.	2.5	3
45	Electrodeposition of Silver-Graphene Films for Electronic Connectors in Succinimide Solutions. <i>Surface Engineering and Applied Electrochemistry</i> , 2021, 57, 75-87.	0.8	3
46	Investigation of Tribological and Corrosion Properties of Carbon Nanotube Reinforced Chemically Bonded Phosphate Ceramic Coatings. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 071008.	1.8	1
47	Failure Analysis of Leakage Current for Multilayer Printed Circuit Board. <i>Journal of Failure Analysis and Prevention</i> , 2020, 20, 1621-1627.	0.9	0
48	Microstructure and Corrosion Resistance of Fusion Welding Zone for Duplex tubes Welded with Q345R Tube Sheet under Different Welding Currents. <i>Metals</i> , 2022, 12, 705.	2.3	0
49	Electrochemical Corrosion Behavior of 18Ni 300 Maraging Steel Obtained by Laser Cladding Deposition and Selective Laser Melting in Corrosive Mediums: A Comparative Study. <i>Journal of Materials Engineering and Performance</i> , 0, , .	2.5	0