

Xiaowei Zhou

List of Publications by Year in descending order

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14
papers

243
citations

933447

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1058476

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all docs

14
docs citations

14
times ranked

202
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial effects of CeO ₂ addition on microstructure and corrosion behavior of electrodeposited Ni nanocrystalline coatings. <i>Surface and Coatings Technology</i> , 2013, 235, 433-446.	4.8	49
2	Anodized porous titanium coated with Ni-CeO ₂ deposits for enhancing surface toughness and wear resistance. <i>Applied Surface Science</i> , 2017, 405, 476-488.	6.1	34
3	A novel method designed for electrodeposition of nanocrystalline Ni coating and its corrosion behaviors in Hank's solution. <i>Applied Surface Science</i> , 2015, 324, 677-690.	6.1	25
4	Hydrogen assisted cracking and CO ₂ corrosion behaviors of low-alloy steel with high strength used for armor layer of flexible pipe. <i>Applied Surface Science</i> , 2018, 440, 974-991.	6.1	23
5	Self-healing effects by the Ce-rich precipitations on completing defective boundaries to manage microstructures and oxidation resistance of Ni-CeO ₂ coatings. <i>Surface and Coatings Technology</i> , 2017, 315, 67-79.	4.8	22
6	Surface morphologies, tribological properties, and formation mechanism of the Ni-CeO ₂ nanocrystalline coatings on the modified surface of TA2 substrate. <i>Surface and Coatings Technology</i> , 2014, 249, 6-18.	4.8	19
7	A comparative study of pure nickel and the Ni-CeO ₂ nanocrystalline coatings: microstructural evolution, oxidation behavior, and thermodynamic stability. <i>Journal of Materials Science</i> , 2014, 49, 3755-3774.	3.7	15
8	Electroless Ni-P alloys on nanoporous ATO surface of Ti substrate. <i>Journal of Materials Science</i> , 2018, 53, 2812-2829.	3.7	14
9	Mechanism and microstructure of nickel-ceria composite coatings prepared by pulse current deposition under the ultrasonic field. <i>Journal of Rare Earths</i> , 2011, 29, 883-887.	4.8	13
10	Influence of Bi addition on the property of Ag-Bi nano-composite coatings. <i>Surface and Coatings Technology</i> , 2018, 349, 217-223.	4.8	10
11	LaCl ₃ -modified Ni deposits on 3D-heterotypic porous Ti surface for strengthening its mechanical and electrochemical properties. <i>Surface and Coatings Technology</i> , 2019, 375, 652-669.	4.8	6
12	Wear and Corrosive Behaviors of Electroless Ni-LaCl ₃ Composites on Nanoporous ATO Surface of Ti Substrate. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 2499-2512.	2.5	6
13	Corrosion Resistance of Waterborne Epoxy Resin Coating Cross-Linked by Modified Tetrabutyl Titanate. <i>Scanning</i> , 2020, 2020, 1-9.	1.5	4
14	Ultrasound frequency-dependent microstructures of electrodeposited Ni nanocrystals for modifying mechanical properties. <i>Journal of Materials Science</i> , 2020, 55, 14980-15004.	3.7	3