

Nitin P Wasekar

List of Publications by Year in descending order

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29
papers

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394421

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docs citations

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times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulsed electrodeposition and mechanical properties of Ni-W/SiC nano-composite coatings. <i>Materials and Design</i> , 2016, 112, 140-150.	7.0	159
2	Influence of mode of electrodeposition, current density and saccharin on the microstructure and hardness of electrodeposited nanocrystalline nickel coatings. <i>Surface and Coatings Technology</i> , 2016, 291, 130-140.	4.8	112
3	Sliding wear behavior of electrodeposited Ni-W alloy and hard chrome coatings. <i>Wear</i> , 2015, 342-343, 340-348.	3.1	83
4	Microstructure and Mechanical Properties of Laser Clad and Post-cladding Tempered AISI H13 Tool Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 2309-2321.	2.2	64
5	Pulsed electrodeposition, mechanical properties and wear mechanism in Ni-W/SiC nanocomposite coatings used for automotive applications. <i>Applied Surface Science</i> , 2020, 527, 146896.	6.1	63
6	Influence of pulse parameters on the mechanical properties and electrochemical corrosion behavior of electrodeposited Ni-W alloy coatings with high tungsten content. <i>Corrosion Science</i> , 2020, 165, 108409.	6.6	60
7	Influence of heat treatment on microstructure and mechanical properties of pulse electrodeposited Ni-W alloy coatings. <i>Surface and Coatings Technology</i> , 2017, 319, 403-414.	4.8	57
8	Influence of molybdenum on the mechanical properties, electrochemical corrosion and wear behavior of electrodeposited Ni-Mo alloy. <i>Surface and Coatings Technology</i> , 2019, 370, 298-310.	4.8	55
9	Microstructural, phase evolution and corrosion properties of silicon carbide reinforced pulse electrodeposited nickel-tungsten composite coatings. <i>Applied Surface Science</i> , 2016, 364, 264-272.	6.1	54
10	Sliding wear behavior of nanocrystalline nickel coatings: Influence of grain size. <i>Wear</i> , 2012, 296, 536-546.	3.1	50
11	Kinetics and Properties of Micro Arc Oxidation Coatings Deposited on Commercial Al Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007, 38, 370-378.	2.2	49
12	Tribological Behavior of Pulsed Electrodeposited Ni-W/SiC Nanocomposites. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 5236-5245.	2.5	49
13	Mechanical properties, thermal stability and corrosion behavior of electrodeposited Ni-B/AlN nanocomposite coating. <i>Surface and Coatings Technology</i> , 2018, 337, 335-341.	4.8	41
14	Effect of Micro Arc Oxidation Coatings on Corrosion Resistance of 6061-Al Alloy. <i>Journal of Materials Engineering and Performance</i> , 2008, 17, 708-713.	2.5	38
15	Influence of prior shot peening variables on the fatigue life of micro arc oxidation coated 6061-T6 Al alloy. <i>International Journal of Fatigue</i> , 2018, 106, 165-174.	5.7	33
16	Experimental investigation of grain boundaries misorientations and nano twinning induced strengthening on addition of silicon carbide in pulse electrodeposited nickel tungsten composite coating. <i>Materials Characterization</i> , 2016, 116, 1-7.	4.4	30
17	Influence of prior corrosion on the high cycle fatigue behavior of microarc oxidation coated 6061-T6 Aluminum alloy. <i>International Journal of Fatigue</i> , 2011, 33, 1268-1276.	5.7	29
18	High-Cycle Fatigue Behavior of Microarc Oxidation Coatings Deposited on a 6061-T6 Al Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 255-265.	2.2	28

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19	Influence of pulsed current on the aqueous corrosion resistance of electrodeposited zinc. <i>Surface and Coatings Technology</i> , 2015, 272, 373-379.	4.8	26
20	The influence of the coating technique on the high cycle fatigue life of alumina coated Al 6061 alloy. <i>Transactions of the Indian Institute of Metals</i> , 2010, 63, 203-208.	1.5	20
21	A new model for predicting the grain size of electrodeposited nanocrystalline nickel coatings containing sulphur, phosphorus or boron based on typical systems. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 198-204.	3.8	19
22	Sliding wear of as-deposited and heat-treated nanocrystalline nickel-tungsten alloy coatings. <i>Wear</i> , 2018, 412-413, 136-143.	3.1	13
23	The influence of grain size and triple junctions on corrosion behavior of nanocrystalline Ni and Ni-W alloy. <i>Scripta Materialia</i> , 2022, 213, 114604.	5.2	13
24	Corrosion behaviour of compositionally modulated nanocrystalline Ni-W coatings. <i>Surface Engineering</i> , 2020, 36, 952-959.	2.2	12
25	Role of Silicon Carbide in Phase-Evolution and Oxidation Behaviors of Pulse Electrodeposited Nickel-Tungsten Coating. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 501-512.	2.2	11
26	Influence of SiC reinforcement content and heat treatment on the corrosion behavior of pulsed electrodeposited Ni-W alloy metal matrix composite. <i>Materialia</i> , 2022, 22, 101390.	2.7	11
27	Effect of annealing and irradiation on the evolution of texture and grain boundary interface in electrodeposited nanocrystalline nickel of varying grain sizes. <i>Surface and Coatings Technology</i> , 2021, 426, 127770.	4.8	9
28	Solid Particle Erosion of Nanocrystalline Nickel Coatings: Influence of Grain Size and Adiabatic Shear Bands. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 476-489.	2.2	8
29	Effect of grain size on the thermal stability of electrodeposited nanocrystalline nickel: X-ray diffraction studies. <i>Thin Solid Films</i> , 2022, 745, 139114.	1.8	4