

Luiza Bonin

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

547
citations

686830

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23
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Increase of boron content in electroless nickel-boron coating by modification of plating conditions. <i>Surface and Coatings Technology</i> , 2017, 311, 164-171.	2.2	78
2	Recent advances in electroless nickel-boron coatings. <i>Surface and Coatings Technology</i> , 2022, 429, 127937.	2.2	50
3	Effect of speciation and composition on the kinetics and precipitation of arsenic sulfide from industrial metallurgical wastewater. <i>Journal of Hazardous Materials</i> , 2021, 409, 124418.	6.5	49
4	Mechanical and wear characterization of electroless nickel mono and bilayers and high boron-mid phosphorus electroless nickel duplex coatings. <i>Surface and Coatings Technology</i> , 2016, 307, 957-962.	2.2	44
5	Formation and characterization of multilayers borohydride and hypophosphite reduced electroless nickel deposits. <i>Electrochimica Acta</i> , 2017, 243, 7-17.	2.6	42
6	Optimization of electroless NiB deposition without stabilizer, based on surface roughness and plating rate. <i>Journal of Alloys and Compounds</i> , 2018, 767, 276-284.	2.8	31
7	Electroless deposition of nickel-boron coatings using low frequency ultrasonic agitation: Effect of ultrasonic frequency on the coatings. <i>Ultrasonics</i> , 2017, 77, 61-68.	2.1	30
8	The tin stabilization effect on the microstructure, corrosion and wear resistance of electroless NiB coatings. <i>Surface and Coatings Technology</i> , 2019, 357, 353-363.	2.2	30
9	Corrosion behaviour of electroless high boron-mid phosphorous nickel duplex coatings in the as-plated and heat-treated states in NaCl, H ₂ SO ₄ , NaOH and Na ₂ SO ₄ media. <i>Materials Chemistry and Physics</i> , 2018, 208, 77-84.	2.0	29
10	Effect of temperature on ultrasound-assisted electroless nickel-boron plating. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 327-336.	3.8	23
11	Chemical, morphological and structural characterisation of electroless duplex NiP/NiB coatings on steel. <i>Surface Engineering</i> , 2018, 34, 475-484.	1.1	20
12	Replacement of Lead stabilizer in electroless Nickel-Boron baths: Synthesis and characterization of coatings from bismuth stabilized bath. <i>Sustainable Materials and Technologies</i> , 2020, 23, e00130.	1.7	16
13	Covid-19: effect of disinfection on corrosion of surfaces. <i>Corrosion Engineering Science and Technology</i> , 2020, 55, 693-695.	0.7	15
14	Mechanical properties of heat-treated duplex electroless nickel coatings. <i>Surface Engineering</i> , 2019, 35, 158-166.	1.1	13
15	Separation and recovery of ammonium from industrial wastewater containing methanol using copper hexacyanoferrate (CuHCF) electrodes. <i>Water Research</i> , 2021, 188, 116532.	5.3	13
16	Copper and zinc extraction from automobile shredder residues via an integrated electrodeposition and crystallization process. <i>Resources, Conservation and Recycling</i> , 2021, 172, 105672.	5.3	11
17	Influence of the anionic part of the stabilizer on electroless nickel-boron plating. <i>Materials and Manufacturing Processes</i> , 2018, 33, 227-231.	2.7	10
18	Stainless steel substrate pretreatment effects on copper nucleation and stripping during copper electrowinning. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 219-233.	1.5	9

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19	Electrochemical codeposition of arsenic from acidic copper sulfate baths: The implications for sustainable copper electrometallurgy. Minerals Engineering, 2022, 176, 107312.	1.8	9
20	Processing thermal barrier coatings via sol-gel route: Crack network control and durability. Surface and Coatings Technology, 2018, 334, 71-77.	2.2	8
21	Inorganic salts stabilizers effect in electroless nickel-boron plating: Stabilization mechanism and microstructure modification. Surface and Coatings Technology, 2020, 401, 126276.	2.2	8
22	Electrified bioreactors: the next powerâ€ for biometallurgical wastewater treatment. Microbial Biotechnology, 2022, 15, 755-772.	2.0	7
23	Combustion Synthesis of the MgAl ₂ O ₄ Using Glycerin from the Production of Biodiesel. Materials Science Forum, 2014, 775-776, 682-686.	0.3	2