Tsyntsaru

List of Publications by Year
in descending order

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59 papers	1,359 citations	393982 19 h-index	360668 35 g-index
60 all docs	60 docs citations	60 times ranked	976 citing authors

#	Article	IF	Citations
1	Modern trends in tungsten alloys electrodeposition with iron group metals. Surface Engineering and Applied Electrochemistry, 2012, 48, 491-520.	0.3	164
2	Surface Wettability of Macroporous Anodized Aluminum Oxide. ACS Applied Materials & Interfaces, 2013, 5, 3224-3233.	4.0	138
3	Structural, magnetic, and mechanical properties of electrodeposited cobaltâ€“tungsten alloys: Intrinsic and extrinsic interdependencies. Electrochimica Acta, 2013, 104, 94-103.	2.6	81
4	Tribological and corrosive characteristics of electrochemical coatings based on cobalt and iron superalloys. Powder Metallurgy and Metal Ceramics, 2009, 48, 419-428.	0.4	73
5	The Study of Thin Films by Electrochemical Impedance Spectroscopy. Nanoscience and Technology, 2016, , 3-42.	1.5	73
6	Ironâ€“tungsten alloys electrodeposited under direct current from citrateâ€“ammonia plating baths. Surface and Coatings Technology, 2009, 203, 3136-3141.	2.2	56
7	The effect of electrodeposition conditions and post-annealing on nanostructure of Coâ€“W coatings. Surface and Coatings Technology, 2012, 206, 4262-4269.	2.2	56
8	Tribological behaviour of electrodeposited cobaltâ€“tungsten coatings: dependence on current parameters. Transactions of the Institute of Metal Finishing, 2008, 86, 301-307.	0.6	45
9	Mapping of magnetic and mechanical properties of Fe-W alloys electrodeposited from Fe(III)-based glycolate-citrate bath. Materials and Design, 2018, 139, 429-438.	3.3	42
10	Mechanical and frictional behaviour of nano-porous anodised aluminium. Materials Chemistry and Physics, 2014, 148, 887-895.	2.0	38
11	Fe (III)-Based Ammonia-Free Bath for Electrodeposition of Fe-W Alloys. Journal of the Electrochemical Society, 2017, 164, D590-D596.	1.3	38
12	Composition, structure, and corrosion properties of coatings of Co-W alloys electrodeposited under direct current. Surface Engineering and Applied Electrochemistry, 2007, 43, 312-317.	0.3	33
13	The role of mass transfer in the formation of the composition and structure of CoW coatings electrodeposited from citrate solutions. Surface Engineering and Applied Electrochemistry, 2010, 46, 570-578.	0.3	29
14	Micromechanical and tribological properties of nanocrystalline coatings of iron-tungsten alloys electrodeposited from citrate-ammonia solutions. Russian Journal of Electrochemistry, 2009, 45, 895-901.	0.3	27
15	Electrodeposited tungsten-rich Ni-W, Co-W and Fe-W cathodes for efficient hydrogen evolution in alkaline medium. Electrochimica Acta, 2019, 318, 597-606.	2.6	26
16	Co-W nanocrystalline electrodeposits as barrier for interconnects. Journal of Solid State Electrochemistry, 2014, 18, 3057-3064.	1.2	24
17	Electrodeposition of CoMo and CoMoP alloys from the weakly acidic solutions. Surface Engineering and Applied Electrochemistry, 2010, 46, 406-415.	0.3	23
18	Size effect of microhardness of nanocrystalline Co-W coatings produced from citrate and gluconate solutions. Surface Engineering and Applied Electrochemistry, 2015, 51, 228-234.	0.3	22

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19	Toward uniform electrodeposition of magnetic Co-W mesowires arrays: direct versus pulse current deposition. Electrochimica Acta, 2016, 188, 589-601.	2.6	22
20	Electrodeposited Co-W alloys and their prospects as effective anode for methanol oxidation in acidic media. Surface and Coatings Technology, 2016, 307, 1322-1328.	2.2	19
21	In-depth characterization of as-deposited and annealed Fe-W coatings electrodeposited from glycolate-citrate plating bath. Electrochimica Acta, 2018, 261, 167-177.	2.6	19
22	Synthesis, electrochemical impedance spectroscopy study and photoelectrochemical behaviour of as-deposited and annealed WO 3 films. Electrochimica Acta, 2017, 225, 29-38.	2.6	17
23	Electrodeposition of cobaltâ€“tungsten alloys and their application for surface engineering. Russian Journal of Electrochemistry, 2016, 52, 1041-1047.	0.3	16
24	Enhanced mechanical properties and microstructural modifications in electrodeposited Fe-W alloys through controlled heat treatments. Surface and Coatings Technology, 2018, 350, 20-30.	2.2	16
25	Insights into electrodeposition and catalytic activity of MoS2 for hydrogen evolution reaction electrocatalysis. Electrochimica Acta, 2019, 317, 427-436.	2.6	16
26	XPS studies on theÂMo oxide-based coatings electrodeposited from highly saturated acetate bath. Chemija, 2020, 31, .	0.1	16
27	Electrodeposition of nanocrystalline Co-W coatings from citrate electrolytes under controlled hydrodynamic conditions part 3: The micro- and macrodistribution of the deposition rates, the structure, and the mechanical properties. Surface Engineering and Applied Electrochemistry, 2010, 46, 206-214.	0.3	15
28	Electrodeposition and corrosion behaviour of nanostructured cobaltâ€“tungsten alloys coatings. Transactions of the Institute of Metal Finishing, 2016, 94, 313-321.	0.6	15
29	Effect of a multilayer structure and lubrication on the tribological properties of coatings of Fe-W alloys. Surface Engineering and Applied Electrochemistry, 2010, 46, 538-546.	0.3	14
30	Electrochemical co-deposition of tungsten with cobalt and copper: Peculiarities of binary and ternary alloys coatings formation. Surface and Coatings Technology, 2016, 307, 1341-1349.	2.2	13
31	Improvement in the Wear Resistance under Dry Friction of Electrodeposited Fe-W Coatings through Heat Treatments. Coatings, 2019, 9, 66.	1.2	13
32	Metal Foam Electrode as a Cathode for Copper Electrowinning. Coatings, 2020, 10, 822.	1.2	13
33	Design of Highly Active Electrodes for Hydrogen Evolution Reaction Based on Mo-Rich Alloys Electrodeposited from Ammonium Acetate Bath. Coatings, 2019, 9, 85.	1.2	12
34	Influence of long-term operation of electrolytes on the composition, morphology, and mechanical properties of surfaces produced at deposition of Co-W coatings from citrate solutions. Surface Engineering and Applied Electrochemistry, 2009, 45, 1-12.	0.3	11
35	Electrodeposition of nanocrystalline Co-W coatings from citrate electrolytes under conditions of controlled hydrodynamic: II. The electrodeposition rate and composition of the coatings. Surface Engineering and Applied Electrochemistry, 2010, 46, 91-99.	0.3	11
36	The role of glycine in the iron-phosphorous alloy electrodeposition. Electrochimica Acta, 2019, 309, 450-459.	2.6	10

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37	Electrodeposition and corrosion behaviour of nanocrystalline Feâ€“P coatings. Transactions of the Institute of Metal Finishing, 2019, 97, 89-94.	0.6	10
38	Electrodeposition of Nanocrystalline Fe-P Coatings: Influence of Bath Temperature and Glycine Concentration on Structure, Mechanical and Corrosion Behavior. Coatings, 2019, 9, 189.	1.2	9
39	Tribological and Corrosion Properties of Iron-Based Alloys. , 2015, , .		9
40	The effect of dissolved oxygen on the rate of pulsed electrodeposition of copper and bismuth nanowires under the conditions of template synthesis. Russian Journal of Electrochemistry, 2011, 47, 357-360.	0.3	7
41	Nanocrystalline Electrodeposited Fe-W/Al2O3 Composites: Effect of Alumina Sub-microparticles on the Mechanical, Tribological, and Corrosion Properties. Frontiers in Chemistry, 2019, 7, 241.	1.8	7
42	Pulse electrodeposited bismuth-tellurium superlattices with controllable bismuth content. Journal of Power Sources, 2020, 450, 227605.	4.0	7
43	The Characterisation of Electrodeposited MoS2 Thin Films on a Foam-Based Electrode for Hydrogen Evolution. Catalysts, 2020, 10, 1182.	1.6	7
44	Improved Photocatalytic Water Splitting Activity of Highly Porous WO3 Photoanodes by Electrochemical H+ Intercalation. Frontiers in Chemical Engineering, 2021, 3, .	1.3	7
45	Effect of the electrodeposition conditions on the morphology, composition and physicomechanical properties of Co-Mo-P alloys. Surface Engineering and Applied Electrochemistry, 2008, 44, 428-435.	0.3	5
46	Leveling Power of Co-W and Fe-W Electrodeposited Coatings. Key Engineering Materials, 2019, 813, 248-253.	0.4	5
47	WEAR RESISTANCE OF ELECTRODEPOSITED Fe-W ALLOY COATINGS UNDER DRY CONDITIONS AND IN THE PRESENCE OF RAPESEED OIL. Green Tribology, 2018, 1, 16-23.	1.2	5
48	Modified Electrodeposited Cobalt Foam Coatings as Sensors for Detection of Free Chlorine in Water. Coatings, 2019, 9, 306.	1.2	4
49	The Influence of Sodium Tungstate Concentration on the Electrode Reactions at Ironâ€“Tungsten Alloy Electrodeposition. Coatings, 2021, 11, 981.	1.2	4
50	Effect of Bulk Current Density on Tribological Properties of Fe-W, Co-W and Ni-W Coatings. , 2015, , .		4
51	Magnetic state instability of disordered electrodeposited nanogranular Fe films. Journal of Magnetism and Magnetic Materials, 2021, 540, 168433.	1.0	3
52	Formal Bleaching Kinetics of Acid Blue 80 in Weakly Acidic, Neutral, and Basic Aqueous Media. Russian Journal of General Chemistry, 2004, 74, 376-378.	0.3	2
53	EVALUATION OF CORROSION AND TRIBOLOGICAL BEHAVIOR OF ELECTRODEPOSITED TUNGSTEN ALLOYS. , 0, , .		2
54	Cu/Co-W nanolayers electrodeposited from single bath and investigations of their nanohardness. Surface Engineering and Applied Electrochemistry, 2012, 48, 418-425.	0.3	1

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55	The optimized electrochemical deposition of bismuth-bismuth telluride layered crystal structures. IOP Conference Series: Materials Science and Engineering, 2021, 1140, 012016.	0.3	1
56	Anodic Titanium Oxide Films: Photoelectrochemical and Tribocorrosion Behavior. Journal of Nanoelectronics and Optoelectronics, 2014, 9, 265-270.	0.1	1
57	Tribological Behaviour of Co-W Under Dry and Lubricanting Conditions. , 2015, , .		1
58	Removal of Barrier Oxide in the Anodized Aluminum Oxide Nanotemplates. IFMBE Proceedings, 2016, , 123-126.	0.2	0
59	Electrochemistry of bismuth interlayers in (Bi2)m(Bi2Te3)n superlattice. Journal of Solid State Electrochemistry, 2021, 25, 2807-2819.	1.2	0