

Zoran Grubaš

List of Publications by Year in descending order

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39
papers

1,271
citations

304743

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361022

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docs citations

39
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy-Band Structure as Basis for Semiconductor $n\text{-Bi}_{2}\text{S}_{3}/n\text{-Bi}_{2}\text{O}_{3}$ Photocatalyst Design. <i>Journal of the Electrochemical Society</i> , 2019, 166, H433-H437.	2.9	24
2	Electrochemistry of CoCrMo Implant in Hanksâ€™ Solution and Mott-Schottky Probe of Alloyâ€™s Passive Films. <i>Corrosion</i> , 2017, 73, 1401-1412.	1.1	6
3	Electrocatalytic Activity of the Ni _{57.3} Co _{42.7} Alloy for the Hydrogen Evolution. <i>Croatica Chemica Acta</i> , 2017, 90, .	0.4	3
4	Corrosion properties of the Mg alloy coated with polypyrrole films. <i>Corrosion Science</i> , 2016, 102, 310-316.	6.6	59
5	Electrocrystallization, growth and characterization of calcium phosphate ceramics on magnesium alloys. <i>Electrochimica Acta</i> , 2013, 109, 694-700.	5.2	29
6	Functionalization of biodegradable magnesium alloy implants with alkylphosphonate self-assembled films. <i>Materials Science and Engineering C</i> , 2013, 33, 2152-2158.	7.3	30
7	Nanocrystalline and coarse grained polycrystalline nickel catalysts for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4437-4444.	7.1	21
8	Change of n-type to p-type conductivity of the semiconductor passive film on N-steel: Enhancement of the pitting corrosion resistance. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 2053-2067.	0.8	14
9	Potential Assisted Formation and Characterization of Hydroxyapatite Coatings on Biodegradable Magnesium Alloys. <i>Journal of the Electrochemical Society</i> , 2013, 160, H674-H680.	2.9	21
10	Surface Modifications of the Mg Alloy by Self-Assembled Monolayers of Fatty Acids. <i>ECS Transactions</i> , 2012, 41, 81-91.	0.5	2
11	Surface Modification of Biodegradable Magnesium Alloys. <i>Journal of the Electrochemical Society</i> , 2012, 159, C253-C258.	2.9	22
12	Corrosion Behavior of the Filmed Copper Surface in Saline Water Under Static and Jet Impingement Conditions. <i>Corrosion</i> , 2012, 68, 025002-1-025002-8.	1.1	12
13	Copperâ€™nickel alloys modified with thin surface films: Corrosion behaviour in the presence of chloride ions. <i>Corrosion Science</i> , 2011, 53, 347-352.	6.6	73
14	High corrosion resistance of austenitic stainless steel alloyed with nitrogen in an acid solution. <i>Corrosion Science</i> , 2011, 53, 2176-2183.	6.6	79
15	Corrosion resistance of copperâ€™nickel alloy under fluid jet impingement. <i>Desalination</i> , 2011, 276, 228-232.	8.2	15
16	The electrochemical behaviour of nanocrystalline nickel: A comparison with polycrystalline nickel under the same experimental condition. <i>Journal of Electroanalytical Chemistry</i> , 2010, 645, 87-93.	3.8	29
17	Complexities of corrosion behaviour of copperâ€™nickel alloys under liquid impingement conditions in saline water. <i>Electrochimica Acta</i> , 2010, 55, 3123-3129.	5.2	49
18	Corrosion resistance of amorphous aluminiumâ€™molybdenum alloys in an acidic chloride environment. <i>Corrosion Science</i> , 2010, 52, 352-359.	6.6	18

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19	Passivation of Aluminumâ€“Molybdenum Alloys in Hydrochloric Acid. <i>Journal of the Electrochemical Society</i> , 2009, 156, C435.	2.9	7
20	The influence of local structure of nanocrystalline Ni films on the catalytic activityâ†. <i>Electrochemistry Communications</i> , 2007, 9, 299-302.	4.7	11
21	Nucleation of copper on an assembly of carbon microelectrodes. <i>Materials Letters</i> , 2007, 61, 794-798.	2.6	7
22	Anodically formed oxide films and oxygen reduction on electrodeposited ruthenium in acid solution. <i>Electrochimica Acta</i> , 2006, 51, 1157-1164.	5.2	25
23	The nucleation of Ni on carbon microelectrodes and its electrocatalytic activity in hydrogen evolution. <i>Thin Solid Films</i> , 2006, 513, 193-200.	1.8	23
24	Sputter deposited nanocrystalline Ni and Ni-W films as catalysts for hydrogen evolution. <i>Journal of Molecular Catalysis A</i> , 2006, 249, 172-180.	4.8	95
25	EIS study of solid-state transformations in the passivation process of bismuth in sulfide solution. <i>Journal of Electroanalytical Chemistry</i> , 2004, 565, 85-94.	3.8	42
26	The growth kinetics of thin anodic WO ₃ films investigated by electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2003, 556, 167-178.	3.8	51
27	The corrosion behavior of sputter-deposited aluminumâ€“tungsten alloys. <i>Electrochimica Acta</i> , 2002, 47, 2387-2397.	5.2	42
28	Electrodeposition of thin sulfide films: nucleation and growth observed for Bi ₂ S ₃ . <i>Thin Solid Films</i> , 2002, 413, 248-256.	1.8	30
29	The study of aluminium corrosion in acidic solution with nontoxic inhibitors. <i>Journal of Applied Electrochemistry</i> , 2002, 32, 35-41.	2.9	108
30	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2002, 32, 431-438.	2.9	23
31	Kinetics and mechanism of electrocrystallization of bismuth in oxide matrix. <i>Electrochimica Acta</i> , 1999, 44, 4559-4571.	5.2	18
32	Nucleation and growth of anodic oxide films on bismuth. <i>Electrochimica Acta</i> , 1998, 43, 3175-3181.	5.2	24
33	Corrosion protection of aluminium in acidic chloride solutions with nontoxic inhibitors. <i>Journal of Applied Electrochemistry</i> , 1998, 28, 433-439.	2.9	63
34	Characterization of Electronic and Dielectric Properties of Anodic Oxide Films on Bismuth by Electrochemical Impedance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7406-7412.	2.6	15
35	Impedance investigation of corrosion inhibition of armco iron by thiourea. <i>Journal of Applied Electrochemistry</i> , 1996, 26, 443-449.	2.9	52
36	Electrochemical behaviour of aluminium based alloys in presence of chloride ions. <i>Corrosion Engineering Science and Technology</i> , 1995, 30, 288-291.	0.3	6

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37	Inhibition of the hydrogen evolution reaction on aluminium covered by "spontaneous" oxide. Journal of Applied Electrochemistry, 1994, 24, 325-331.	2.9	22
38	Impedance spectroscopic study of aluminium and Al-alloys in acid solution: inhibitory action of nitrogen containing compounds. Journal of Applied Electrochemistry, 1994, 24, 772-778.	2.9	68
39	Organic Corrosion Inhibitors for Aluminum in Perchloric Acid. Corrosion, 1994, 50, 146-151.	1.1	33