Eimutis Juzeliunas

List of Publications by Year
in descending order

39 papers	708 citations	623734 14 h-index	580821 25 g-index
41 all docs	41 docs citations	41 times ranked	597 citing authors

#	Article	IF	Citations
1	Photoelectrochemical and Nanogravimetric Study of Electrolytic Transformation of Silicon-Oxide Interface. Journal of the Electrochemical Society, 2022, 169, 036508.	2.9	1
2	Silicon Electrochemistry in Molten Salts. Chemical Reviews, 2020, 120, 1690-1709.	47.7	69
3	Anticorrosion performance of hafnium oxide ultrathin films on AZ31 magnesium alloy. Surface and Coatings Technology, 2020, 397, 126046.	4.8	14
4	Electrochemical synthesis of photoactive carbon-carbide structure on silicon in molten salt. Electrochemistry Communications, 2018, 90, 6-10.	4.7	14
5	Mgâ€“Nb alloy films: Structure and stability in a balanced salt solution. Journal of Alloys and Compounds, 2016, 661, 322-330.	5.5	5
6	The use of electro-deoxidation in molten salts to reduce the energy consumption of solar grade silicon and increase the output of PV solar cells. Progress in Natural Science: Materials International, 2015, 25, 583-590.	4.4	12
7	Sputter-deposited Mgâ€“Alâ€“Znâ€“Cr alloys â€“ Electrochemical characterization of single films and multilayer protection of AZ31 magnesium alloy. Corrosion Science, 2014, 80, 487-493.	6.6	11
8	Electrochemical and structural characterization of sputter-deposited Mgâ€“Nb and Mgâ€“Nbâ€“Alâ€“Zn alloy films. Journal of Solid State Electrochemistry, 2013, 17, 1649-1656.	2.5	4
9	Electro-deoxidation of thin silica layer in molten saltâ€"Globular structures with effective light absorbance. Electrochimica Acta, 2012, 68, 123-127.	5.2	23
10	Corrosion resistance of nanocrystalline Mgâ€“Cr alloys deposited by magnetron sputtering. Materials Chemistry and Physics, 2011, 126, 898-903.	4.0	10
11	Sulfide-enhanced electrochemical capacitance of cobalt hydroxide on nanofibered parent substrate. Journal of Solid State Electrochemistry, 2010, 14, 1577-1584.	2.5	9
12	Silicon surface texturing by electro-deoxidation of a thin silica layer in molten salt. Electrochemistry Communications, 2010, 12, 1270-1274.	4.7	37
13	Ruthenium dioxide quartz crystal nano-balance. Sensors and Actuators B: Chemical, 2009, 137, 762-767.	7.8	2
14	Microbially influenced corrosion of zinc and aluminium â€“ Two-year subjection to influence of Aspergillus niger. Corrosion Science, 2007, 49, 4098-4112.	6.6	65
15	Advances in detection of magnetic fields induced by electrochemical reactionsâ€"a review. Journal of Solid State Electrochemistry, 2007, 11, 791-798.	2.5	8
16	QCM study of microbiological activity during long-term exposure to atmosphereâ€"aluminium colonisation by Aspergillus Niger. Journal of Solid State Electrochemistry, 2007, 11, 909-913.	2.5	11
17	Influence of wild strain Bacillus mycoides on metals: From corrosion acceleration to environmentally friendly protection. Electrochimica Acta, 2006, 51, 6085-6090.	5.2	37
18	Magnetometric corrosion sensing under hydrodynamic conditions. Journal of Solid State Electrochemistry, 2006, 10, 700-707.	2.5	6

#	Article	IF	Citations
19	Structure and initial corrosion resistance of sputter deposited nanocrystalline Mgâ€“Alâ€“Zr alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 394, 411-416.	5.6	26
20	Microbially influenced corrosion acceleration and inhibition. EIS study of Zn and Al subjected for two years to influence of Penicillium frequentans, Aspergillus niger and Bacillus mycoides. Electrochemistry Communications, 2005, 7, 305-311.	4.7	35
21	Remote detection of corrosion activity by SQUID magnetometry across a multiphase medium under electrolyte flow conditions. Corrosion Science, 2005, 47, 621-633.	6.6	7
22	Remote sensing of aluminum alloy corrosion by SQUID magnetometry. Journal of Solid State Electrochemistry, 2004, 8, 435-441.	2.5	6
23	Sputter deposited Mgâ€“Alâ€“Zr alloys â€“ structure, surface morphology and anodic activity. Electrochemistry Communications, 2004, 6, 678-682.	4.7	7
24	Voltammetric and structural characterization of sputter deposited Alâ€“Mg films. Journal of Electroanalytical Chemistry, 2004, 565, 203-209.	3.8	26
25	Structural and anticorrosive properties of magnetron-sputtered Feâ€“Crâ€“Ni and Feâ€“Crâ€“Niâ€“Ta alloy films. Surface and Coatings Technology, 2003, 168, 70-77.	4.8	18
26	Study of initial stages of Alâ€“Mg alloy corrosion in water, chloride and Cu(II) environment by a scanning Kelvin probe and XPS. Electrochemistry Communications, 2003, 5, 154-158.	4.7	20
27	Study of initial stages of Alâ€“Mg alloy corrosion in water, chloride and Cu(II) environment by a scanning Kelvin probe. Corrosion Science, 2003, 45, 1939-1950.	6.6	13
28	Magnetic Fields Induced by Electrochemical Reactions:Â Aluminum Alloy Corrosion Sensing by SQUID Magnetometry on a Macroscopic Scale. Journal of Physical Chemistry B, 2002, 106, 12549-12555.	2.6	12
29	Magnetron sputtered Auâ€“Pdâ€“In alloys: microgravimetric and electrochemical characterisation in simulated physiological solutions. Corrosion Science, 2002, 44, 1541-1554.	6.6	11
30	Microgravimetric corrosion study of magnetron-sputtered Co-Cr-Mo and Ni-Cr-Mo alloys in an oxygen-containing atmosphere. Journal of Solid State Electrochemistry, 2002, 6, 302-310.	2.5	8
31	Magnetic field effect on stainless steel corrosion in FeCl3 solution. Electrochemistry Communications, 2002, 4, 86-91.	4.7	54
32	Magnetron-sputtered Alâ€“Mg coatings â€“ structural, microgravimetric and voltammetric characterisation in water, chloride and Cu(II) environment. Electrochemistry Communications, 2002, 4, 747-752.	4.7	20
33	Zinc photo-corrosion in neutral solutions. Corrosion Science, 2001, 43, 2083-2092.	6.6	49
34	Electrochemical and microgravimetric characterization of magnetron-sputtered Feâ€“Crâ€“Niâ€“Ta and Feâ€“Crâ€“Ni alloy films in neutral and strongly acidic media. Electrochemistry Communications, 2001, 3, 494-499.	4.7	9
35	A SQUID study of magnetic fields induced by the metalâ€“liquid interface. Electrochimica Acta, 2000, 45, 3453-3459.	5.2	9
36	Iron Corrosion Inhibition In Acidic, Highly Saline Geothermal Water. Corrosion Reviews, 2000, 18, 13-22.	2.0	1

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37	Electrochemical Quartz Crystal Microgravimetry Study of Metal Deposition from EDTA Complexes. Journal of the Electrochemical Society, 2000, 147, 1088.	2.9	9
38	Corrosion sensing by SQUID magnetometry. Journal of Electroanalytical Chemistry, 1999, 477, 171-177.	3.8	17
39	A SQUID Study of Magnetic Fields Resulting from In Situ Corrosion Reactions. Electrochemical and Solid-State Letters, 1999, 3, 24.	2.2	11