

Jurga Juodkazyte

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,244
citations

361296

20
h-index

377752

34
g-index

56
all docs

56
docs citations

56
times ranked

1847
citing authors

#	ARTICLE	IF	CITATIONS
1	Nickel surface anodic oxidation and electrocatalysis of oxygen evolution. Journal of Solid State Electrochemistry, 2008, 12, 1469-1479.	1.2	148
2	XPS studies on the gold oxide surface layer formation. Electrochemistry Communications, 2000, 2, 503-507.	2.3	133
3	Electrolytic splitting of saline water: Durable nickel oxide anode for selective oxygen evolution. International Journal of Hydrogen Energy, 2019, 44, 5929-5939.	3.8	69
4	Iridium Anodic Oxidation to Ir(III) and Ir(IV) Hydrrous Oxides. Electroanalysis, 2005, 17, 947-952.	1.5	57
5	Photoelectrolysis of water:Solar hydrogen - achievements and perspectives. Optics Express, 2010, 18, A147.	1.7	55
6	Fabrication and properties of metallo-dielectric photonic crystal structures for infrared spectral region. Optics Express, 2007, 15, 8454.	1.7	53
7	Title is missing!. Russian Journal of Electrochemistry, 2003, 39, 954-959.	0.3	47
8	On the charge storage mechanism at RuO ₂ /0.5ÅM H ₂ SO ₄ interface. Journal of Solid State Electrochemistry, 2008, 12, 1399-1404.	1.2	37
9	Solar water splitting: Efficiency discussion. International Journal of Hydrogen Energy, 2016, 41, 11941-11948.	3.8	37
10	Cyclic voltammetric studies on the reduction of a gold oxide surface layer. Electrochemistry Communications, 1999, 1, 315-318.	2.3	34
11	Black-CuO: surface-enhanced Raman scattering and infrared properties. Nanoscale, 2015, 7, 18299-18304.	2.8	34
12	Difference between surface electrochemistry of ruthenium and RuO ₂ electrodes. Transactions of the Institute of Metal Finishing, 2007, 85, 194-201.	0.6	33
13	Reversible hydrogen evolution and oxidation on Pt electrode mediated by molecular ion. Applied Surface Science, 2014, 290, 13-17.	3.1	32
14	Hydrogen species within the metals: Role of molecular hydrogen ion H ₂ ⁺ . Applied Surface Science, 2011, 258, 743-747.	3.1	30
15	Understanding and mitigation of NaTi ₂ (PO ₄) ₃ degradation in aqueous Na-ion batteries. Journal of Materials Chemistry A, 2021, 9, 12670-12683.	5.2	26
16	In _x Ga _{1-x} N performance as a band-gap-tunable photo-electrode in acidic and basic solutions. Solar Energy Materials and Solar Cells, 2014, 130, 36-41.	3.0	24
17	Study on copper oxide stability in photoelectrochemical cell composed of nanostructured TiO ₂ and Cu ₂ O electrodes. Electrochimica Acta, 2014, 137, 363-371.	2.6	24
18	Optical readout of hydrogen storage in films of Au and Pd. Optics Express, 2017, 25, 24081.	1.7	24

#	ARTICLE	IF	CITATIONS
19	Tuning the Photo-Luminescence Properties of WO ₃ Layers by the Adjustment of Layer Formation Conditions. <i>Materials</i> , 2020, 13, 2814.	1.3	22
20	EQCM Study of Iridium Anodic Oxidation in H ₂ SO ₄ and KOH Solutions. <i>Electroanalysis</i> , 2005, 17, 1734-1739.	1.5	21
21	Photoelectrochemistry of silicon in HF solution. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2269-2276.	1.2	19
22	PCB failure analysis related to the ENIG black pad problem. <i>Circuit World</i> , 2013, 39, 124-132.	0.7	17
23	Novel method to determine the actual surface area of a laser-nanotextured sensor. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 169-175.	1.1	17
24	Activity of sol-gel derived nanocrystalline WO ₃ films in photoelectrochemical generation of reactive chlorine species. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114277.	1.9	17
25	Selectivity of Tungsten Oxide Synthesized by Sol-Gel Method Towards Some Volatile Organic Compounds and Gaseous Materials in a Broad Range of Temperatures. <i>Materials</i> , 2020, 13, 523.	1.3	17
26	Alternative view of anodic surface oxidation of noble metals. <i>Electrochimica Acta</i> , 2006, 51, 6159-6164.	2.6	16
27	Spray pyrolysis approach to CZTSSe thin films. Influence of solvents on film characteristics. <i>Semiconductor Science and Technology</i> , 2018, 33, 095013.	1.0	16
28	Theodor von Grothussâ€™ Contribution to Electrochemistry. <i>Electrochimica Acta</i> , 2017, 236, 28-32.	2.6	15
29	BiVO ₄ -based coatings for non-enzymatic photoelectrochemical glucose determination. <i>Journal of Electroanalytical Chemistry</i> , 2022, 918, 116446.	1.9	15
30	Determination of Au(III) in the surface layers formed anodically on the gold electrode. <i>Journal of Electroanalytical Chemistry</i> , 1998, 441, 19-24.	1.9	14
31	EQCM Study of Ru and RuO ₂ Surface Electrochemistry. <i>Electroanalysis</i> , 2007, 19, 1093-1099.	1.5	14
32	Evaluation of electrochemically active surface area of photosensitive copper oxide nanostructures with extremely high surface roughness. <i>Electrochimica Acta</i> , 2013, 98, 109-115.	2.6	14
33	Study on charge transfer processes in thin-film heterojunction between cuprous oxide and hematite. <i>Materials Science in Semiconductor Processing</i> , 2018, 80, 56-62.	1.9	13
34	Advanced surface protection for improved reliability PCB systems (ASPIS). <i>Circuit World</i> , 2012, 38, 21-29.	0.7	11
35	Decoration of the TiO ₂ nanotube arrays with copper suboxide by AC treatment. <i>Electrochimica Acta</i> , 2014, 125, 516-523.	2.6	10
36	Light energy accumulation using Ti/RuO ₂ electrode as capacitor. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 741-746.	1.2	9

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37	Influence of laser microfabrication on silicon electrochemical behavior in HF solution. Journal of Solid State Electrochemistry, 2010, 14, 797-802.	1.2	9
38	Black-Si as a Photoelectrode. Nanomaterials, 2020, 10, 873.	1.9	9
39	Electrochemical Performance of Sol-Gel Synthesized NaTi ₂ (PO ₄) ₃ - Carbon Composites as Aqueous Na-Ion Battery Anodes. Journal of the Electrochemical Society, 2021, 168, 060545.	1.3	7
40	WO ₃ coatings for photoelectrochemical synthesis of persulfate: efficiency, stability and applicability. Journal of Solid State Electrochemistry, 2022, 26, 1021-1035.	1.2	7
41	Combined soft lithographic and electrochemical fabrication of nanostructured platinum microelectrode arrays for miniaturized sensor applications. Microelectronic Engineering, 2019, 208, 39-46.	1.1	6
42	Electrochemical Performance of NASICON-structured Na _{3-x} V _{2-x} Ti _x (PO ₄) ₃ (0.0 x 1.0) as aqueous Na-ion battery positive electrodes. Electrochimica Acta, 2022, 424, 140580.	2.6	6
43	Atoms vs. Ions: Intermediates in Reversible Electrochemical Hydrogen Evolution Reaction. Catalysts, 2021, 11, 1135.	1.6	5
44	Research on Hydrothermal Decoration of TiO ₂ Nanotube Films with Nanoplatelet MoS ₂ Species. Nanomaterials and Nanotechnology, 2016, 6, 37.	1.2	4
45	Properties and characterization of CZTS nanoparticles prepared by microwave heating irradiation. Chemija, 2018, 29, .	0.1	4
46	Realization of Rhodium Metal-Oxide Electrode in Indifferent Electrolytes. Electroanalysis, 2004, 16, 1622-1627.	1.5	3
47	Hydrogen Evolution on Nano-Structured CuO/Pd Electrode: Raman Scattering Study. Applied Sciences (Switzerland), 2019, 9, 5301.	1.3	3
48	Self-Healing Properties of Cerium-Modified Molybdate Conversion Coating on Steel. Coatings, 2021, 11, 194.	1.2	3
49	Nanotextured surfaces for surface enhanced Raman spectroscopy and sensors. , 2016, , .		1
50	Reversible hydrogen evolution and oxidation mediated by molecular ion. Proceedings of SPIE, 2013, , .	0.8	0
51	Nanotextured CuO: sensing and light harvesting platform. Proceedings of SPIE, 2015, , .	0.8	0