

György Inzelt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6931526/publications.pdf>

Version: 2024-02-01

62
papers

1,672
citations

279798

23
h-index

289244

40
g-index

76
all docs

76
docs citations

76
times ranked

1799
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical impedance spectroscopy of thin films with two mobile charge carriers: effects of the interfacial charging. <i>Journal of Electroanalytical Chemistry</i> , 1999, 472, 7-19.	3.8	159
2	Conducting Polymers. <i>Monographs in Electrochemistry</i> , 2012, , .	0.2	145
3	Poly(methylene blue) modified electrode sensor for haemoglobin. <i>Analytica Chimica Acta</i> , 1999, 385, 119-123.	5.4	103
4	Formation and redox behaviour of polycarbazole prepared by electropolymerization of solid carbazole crystals immobilized on an electrode surface. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 503-510.	2.5	90
5	Electrochemistry and electron spin resonance of tetracyanoquinodimethane modified electrodes. Evidence for mixed-valence radical anions in the reduction process. <i>The Journal of Physical Chemistry</i> , 1983, 87, 4592-4598.	2.9	79
6	Piezoelectric chemical sensors (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2004, 76, 1139-1160.	1.9	78
7	Electrochemical quartz crystal microbalance study of ion transport accompanying charging-discharging of poly(pyrrole) films. <i>Journal of Solid State Electrochemistry</i> , 1999, 3, 251-257.	2.5	77
8	Rise and rise of conducting polymers. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1711-1718.	2.5	64
9	Temperature dependence of two types of dissolution of platinum in acid media. An electrochemical nanogravimetric study. <i>Electrochimica Acta</i> , 2010, 55, 4742-4749.	5.2	58
10	Recent advances in the field of conducting polymers. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1965-1975.	2.5	50
11	Protonation equilibria and charge transport in electroactive tetracyanoquinodimethane polymer films. <i>Journal of the American Chemical Society</i> , 1984, 106, 3396-3401.	13.7	48
12	Combined Electrochemical and Radiotracer Study on the Ionic Charge Transport Coupled to Electron Transfer and Ionic Equilibria in Electroactive Polymer Films on Electrodes. <i>Journal of the Electrochemical Society</i> , 1989, 136, 1747-1752.	2.9	43
13	The marriage of car sharing and hydrogen economy: A possible solution to the main problems of urban living. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12697-12708.	7.1	43
14	Temperature dependence of the voltammetric response of thin electroactive polymer films. <i>Analytical Chemistry</i> , 1985, 57, 1117-1121.	6.5	41
15	Cyclic voltammetry of solid diphenylamine crystals immobilized on an electrode surface and in the presence of an aqueous solution. <i>Journal of Solid State Electrochemistry</i> , 2002, 6, 265-271.	2.5	40
16	Influence of Cs ⁺ and Na ⁺ on Specific Adsorption of *OH, *O, and *H at Platinum in Acidic Sulfuric Media. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10995-11003.	3.1	38
17	Milestones of the development of kinetics of electrode reactions. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1373-1389.	2.5	34
18	The inherent coupling of charge transfer and mass transport processes: the curious electrochemical reversibility. <i>ChemTexts</i> , 2016, 2, 1.	1.9	34

#	ARTICLE	IF	CITATIONS
19	Links between electrochemical thermodynamics and kinetics. ChemTexts, 2015, 1, 1.	1.9	30
20	Electropolymerization: Further Insight into the Formation of Conducting Polyindole Thin Films. Journal of Physical Chemistry C, 2015, 119, 1996-2003.	3.1	30
21	Experimental evidence for the periodical changes of the amount of chemisorbed species accompanying the potential oscillations produced in the course of galvanostatic oxidation of formic acid on platinum. Electrochimica Acta, 1993, 38, 2385-2386.	5.2	28
22	Characterization of modified electrodes by electrochemical quartz crystal microbalance, radiotracer technique and impedance spectroscopy. Electroanalysis, 1995, 7, 895-903.	2.9	27
23	Crossing the bridge between thermodynamics and electrochemistry. From the potential of the cell reaction to the electrode potential. ChemTexts, 2015, 1, 1.	1.9	26
24	Preparation and characterization of RuO ₂ /polyaniline composite electrodes. Journal of Solid State Electrochemistry, 2010, 14, 2021-2026.	2.5	23
25	Voltammetry as an Alternative Tool for Trace Metal Detection in Peloid Marine Sediments. Electroanalysis, 2007, 19, 1437-1445.	2.9	20
26	Electrochemical nanogravimetric studies of adsorption, deposition, and dissolution processes occurring at platinum electrodes in acid media. Pure and Applied Chemistry, 2010, 83, 269-279.	1.9	16
27	Electrochemical Quartz Crystal Nanobalance. , 2010, , 257-270.		15
28	Electrochemical nanogravimetric studies of platinum in acid media. Journal of Solid State Electrochemistry, 2011, 15, 901-915.	2.5	14
29	Ion dynamics in the pseudocapacitive reaction of hydrous ruthenium oxide. Effect of the temperature pre-treatment. Journal of Power Sources, 2011, 196, 4849-4858.	7.8	14
30	Synthesis; Redox behaviour; Composites; Sensors; Biosensors; Supercapacitors; Electrocatalysis. Journal of Electrochemical Science and Engineering, 2017, , .	3.5	14
31	Simulation of the transient behavior of fuel cells by using operator splitting techniques for real-time applications. Computers and Chemical Engineering, 2010, 34, 339-348.	3.8	13
32	Electrochemical microgravimetric study on microcrystalline particles of phenazine attached to gold electrodes. Journal of Solid State Electrochemistry, 2004, 8, 828.	2.5	11
33	Electrochemical nanogravimetric studies on the electropolymerization of indole and on polyindole. Electrochimica Acta, 2014, 122, 11-15.	5.2	11
34	Investigation of the electrochemical behaviour of lead dioxide in aqueous sulfuric acid solutions by using the in situ EQCM technique. Journal of Solid State Electrochemistry, 2020, 24, 1-10.	2.5	11
35	Patent No. 2,058,761 or the beginning of electrochemical instrumentation. Journal of Solid State Electrochemistry, 2005, 9, 181-182.	2.5	10
36	Electrochemical nanogravimetric studies of sulfur/sulfide redox processes on gold surface. Journal of Solid State Electrochemistry, 2009, 13, 1935-1944.	2.5	10

#	ARTICLE	IF	CITATIONS
37	Electrochemical nanogravimetric study of the adsorption of 4-aminoindole and the surface layer formed by electrooxidation in aqueous acid media. <i>Electrochimica Acta</i> , 2013, 96, 51-60.	5.2	10
38	Applications of Conducting Polymers. <i>Monographs in Electrochemistry</i> , 2012, , 245-293.	0.2	9
39	Einstein and the osmotic theory. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 1008-1011.	2.5	8
40	Electrochemical and nanogravimetric studies of iron phthalocyanine microparticles immobilized on gold in acidic and neutral media. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3327-3337.	2.5	7
41	Combination of nanogravimetry and visible spectroscopy: A tool for the better understanding of electrochemical processes. <i>Journal of Electroanalytical Chemistry</i> , 2014, 719, 41-46.	3.8	7
42	Generation and electrochemical nanogravimetric response of the third anodic hydrogen peak on a platinum electrode in sulfuric acid media. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1239-1249.	2.5	6
43	A new electrode for acid-base titration based on poly(copper phthalocyanine). <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1215-1222.	2.5	6
44	Electrochemical and nanogravimetric studies of palladium phthalocyanine microcrystals. <i>Journal of the Serbian Chemical Society</i> , 2013, 78, 2017-2037.	0.8	5
45	Microgravimetric study of electrodeposition and dissolution of lead dioxide on gold and platinum substrates. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 3921-3931.	2.5	5
46	Electrochemical quartz crystal microbalance study of redox transformations of TCNQ microcrystals in concentrated LiCl solutions. <i>Electrochimica Acta</i> , 2007, 52, 4015-4023.	5.2	4
47	Estimation of the characteristic parameters of proton exchange membrane fuel cells under normal operating conditions. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 415-424.	2.9	4
48	Electrode Potentials. , 2013, , 1-24.		4
49	Electrochemical and nanogravimetric studies of poly(copper phthalocyanine) microparticles immobilized on gold in aqueous solutions. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2565-2577.	2.5	4
50	Electrochemical nanogravimetric study on the sorption processes occurring in multiwalled carbon nanotube layers immobilized on a gold surface. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 45-56.	2.5	4
51	Studying the effects of bismuth on the electrochemical properties of lead dioxide layers by using the in situ EQCM technique. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 2733-2739.	2.5	4
52	Electrochemical Nanogravimetric Studies of Ruthenium(III) Trichloride Microcrystals. <i>Israel Journal of Chemistry</i> , 2008, 48, 185-196.	2.3	3
53	Classification of Electrochemically Active Polymers. <i>Monographs in Electrochemistry</i> , 2012, , 7-82.	0.2	3
54	Electrochemical nanogravimetric study of the electropolymerization of 6-aminoindole and the redox transformations of the polymer formed in aqueous media. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 3067-3074.	2.5	3

#	ARTICLE	IF	CITATIONS
55	Methods of Investigation. Monographs in Electrochemistry, 2012, , 83-147.	0.2	2
56	Laudation on the occasion of the 70th birthday of GyÁrffy HorÁny. Journal of Solid State Electrochemistry, 2005, 9, 245-246.	2.5	1
57	Electrochemistryâ€”past, present, and future. Journal of Solid State Electrochemistry, 2011, 15, 1295-1296.	2.5	1
58	Future of electrochemistry in light of history and the present conditions. Journal of Solid State Electrochemistry, 2020, 24, 2089-2092.	2.5	1
59	Allen Joseph Bardâ€”a tribute on the occasion of his 80th birthday. Journal of Solid State Electrochemistry, 2013, 17, 2969-2970.	2.5	0
60	Surprise greetings to Professor Fritz Scholz. Journal of Solid State Electrochemistry, 2015, 19, 2897-2898.	2.5	0
61	Study of the surface mass changes during the redox transformations of copper(II) phthalocyanine-tetrasulfonic acid on gold in acidic media. Journal of Solid State Electrochemistry, 2017, 21, 1725-1732.	2.5	0
62	Fritz Scholzâ€”a tribute on the occasion of his 65th birthday. Journal of Solid State Electrochemistry, 2020, 24, 2561-2563.	2.5	0