

Adriana Ispas

List of Publications by Year in descending order

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76
papers

1,434
citations

331670

21
h-index

377865

34
g-index

80
all docs

80
docs citations

80
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Palladium Nanoparticles and Their Applications for Surface-Enhanced Raman Scattering and Electrocatalysis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21976-21981.	3.1	109
2	On the electrodeposition of tantalum from three different ionic liquids with the bis(trifluoromethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.8	71
3	Influence of a magnetic field on the electrodeposition of nickel-iron alloys. <i>Electrochimica Acta</i> , 2007, 52, 2785-2795.	5.2	69
4	In situ STM and EQCM studies of tantalum electrodeposition from TaF5 in the air- and water-stable ionic liquid 1-butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)amide. <i>Electrochimica Acta</i> , 2009, 54, 1519-1528.	5.2	64
5	An EQCM Study of the Electropolymerization of Benzene in an Ionic Liquid and Ion Exchange Characteristics of the Resulting Polymer Film. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7159-7168.	2.6	57
6	Influence of a static magnetic field on nickel electrodeposition studied using an electrochemical quartz crystal microbalance, atomic force microscopy and vibrating sample magnetometry. <i>Journal of Electroanalytical Chemistry</i> , 2005, 575, 221-228.	3.8	48
7	Magnetic field induced micro-convective phenomena inside the diffusion layer during the electrodeposition of Co, Ni and Cu. <i>Electrochimica Acta</i> , 2007, 52, 6338-6345.	5.2	48
8	On the p-doping of PEDOT layers in various ionic liquids studied by EQCM and acoustic impedance. <i>Electrochimica Acta</i> , 2009, 54, 4668-4675.	5.2	47
9	Photoluminescence properties of heat-treated porous alumina films formed in oxalic acid. <i>Journal of Luminescence</i> , 2011, 131, 938-942.	3.1	46
10	Corrosion tests of nickel coatings prepared from a Watts-type bath. <i>Journal of Coatings Technology Research</i> , 2012, 9, 87-95.	2.5	39
11	Magnetic field effects on the initial stages of electrodeposition processes. <i>Journal of Electroanalytical Chemistry</i> , 2008, 615, 191-196.	3.8	37
12	Nucleation and growth of thin nickel layers under the influence of a magnetic field. <i>Journal of Electroanalytical Chemistry</i> , 2009, 626, 174-182.	3.8	37
13	Magnetic field effects on electrochemical metal depositions. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 024208.	6.1	36
14	An SFG/DFG investigation of CN ⁺ adsorption at an Au electrode in 1-butyl-1-methyl-pyrrolidinium bis(trifluoromethylsulfonyl) amide ionic liquid. <i>Electrochemistry Communications</i> , 2010, 12, 56-60.	4.7	35
15	Optical properties of thin anodic alumina membranes formed in a solution of tartaric acid. <i>Thin Solid Films</i> , 2014, 556, 230-235.	1.8	35
16	In situ scanning tunneling microscopy (STM), atomic force microscopy (AFM) and quartz crystal microbalance (EQCM) studies of the electrochemical deposition of tantalum in two different ionic liquids with the 1-butyl-1-methylpyrrolidinium cation. <i>Electrochimica Acta</i> , 2016, 197, 374-387.	5.2	31
17	Electrochemical deposition of silver from 1-ethyl-3-methylimidazolium trifluoromethanesulfonate. <i>Electrochimica Acta</i> , 2011, 56, 10332-10339.	5.2	30
18	Understanding the charge storage mechanism of conductive polymers as hybrid battery-capacitor materials in ionic liquids by <i>in situ</i> atomic force microscopy and electrochemical quartz crystal microbalance studies. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17787-17799.	10.3	28

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19	Electrodeposition of Niobium from 1-Butyl-1-Methylpyrrolidinium bis(trifluoromethylsulfonyl)amide Ionic Liquid. <i>Electrochimica Acta</i> , 2014, 129, 312-317.	5.2	25
20	Synchronous Formation of ZnO/ZnS Core/Shell Nanotube Arrays with Removal of Template for Meliorating Photoelectronic Performance. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1575-1582.	3.1	25
21	Magnetic field effects on microstructural variation of electrodeposited cobalt films. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 737-743.	2.5	23
22	Ni ₃ N-Coated Ni Nanorod Arrays for Hydrogen and Oxygen Evolution in Electrochemical Water Splitting. <i>ACS Applied Nano Materials</i> , 2020, 3, 10986-10995.	5.0	23
23	A preliminary study on ultra high frequency electromagnetic fields effect on black locust chlorophylls. <i>Acta Biologica Hungarica</i> , 2005, 56, 109-117.	0.7	22
24	Nickel recovery from electronic waste II Electrodeposition of Ni and Ni-Fe alloys from diluted sulfate solutions. <i>Waste Management</i> , 2013, 33, 2381-2389.	7.4	21
25	Electrodeposition in Ionic Liquids. <i>Electrochemical Society Interface</i> , 2014, 23, 47-51.	0.4	21
26	Investigations on current transients in porous alumina films during re-anodizing using the electrochemical quartz crystal microbalance. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 2121-2128.	2.5	20
27	Aluminum Deposition and Dissolution in [EMIm]Cl-Based Ionic Liquids—Kinetics of Charge Transfer and the Rate-Determining Step. <i>Journal of the Electrochemical Society</i> , 2020, 167, 102516.	2.9	20
28	Electrochemical Preparation of Cobalt-Samarium Nanoparticles in an Aprotic Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2020, 167, 042505.	2.9	20
29	Anodic dissolution of aluminum and anodic passivation in [EMIm]Cl-based ionic liquids. <i>Electrochemistry Communications</i> , 2020, 115, 106720.	4.7	18
30	Electrodeposition of Au from [EMIm][TFSA] room-temperature ionic liquid: An electrochemical and Surface-Enhanced Raman Spectroscopy study. <i>Journal of Electroanalytical Chemistry</i> , 2011, 651, 1-11.	3.8	17
31	A study of external magnetic-field effects on nickel-iron alloy electrodeposition, based on linear and non-linear differential AC electrochemical response measurements. <i>Journal of Electroanalytical Chemistry</i> , 2011, 651, 197-203.	3.8	17
32	Electrodeposition of pristine and composite poly(3,4-ethylenedioxythiophene) layers studied by electro-acoustic impedance measurements. <i>Electrochimica Acta</i> , 2011, 56, 3500-3506.	5.2	15
33	Characterization of Plukenetia volubilis L. fatty acid-based alkyd resins. <i>Polymer Testing</i> , 2020, 82, 106296.	4.8	15
34	Effect of polyalcohols on the anticorrosive behaviour of alkyd coatings prepared with drying oils. <i>Progress in Organic Coatings</i> , 2020, 145, 105671.	3.9	15
35	Electrodeposition of Co, Sm and Co-Sm Thin Layers. <i>ECS Transactions</i> , 2009, 16, 119-127.	0.5	14
36	Pulse plating of tantalum from 1-butyl-1-methyl-pyrrolidinium bis(trifluoromethylsulfonyl)amide ionic liquids. <i>Transactions of the Institute of Metal Finishing</i> , 2012, 90, 298-304.	1.3	14

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37	An Electrochemical Quartz Crystal Microbalance Study on Electrodeposition of Aluminum and Aluminum-Manganese Alloys. <i>Journal of the Electrochemical Society</i> , 2017, 164, H5263-H5270.	2.9	14
38	Determination of transport parameters in [EMIm]Cl ⁻ -based Ionic Liquids – Diffusion and electrical conductivity. <i>Electrochimica Acta</i> , 2021, 366, 137370.	5.2	14
39	Effect of nano-Al ₂ O ₃ particles and of the Co concentration on the corrosion behavior of electrodeposited Ni-Co alloys. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3457-3465.	2.5	13
40	Electrocodeposition of Ni composites and surface treatment of SiC nano-particles. <i>Surface and Coatings Technology</i> , 2021, 406, 126663.	4.8	13
41	Effect of anodizing voltage on the sorption of water molecules on porous alumina. <i>Applied Surface Science</i> , 2012, 258, 5394-5398.	6.1	12
42	Taking into account of surface roughness for the calculation of elastic moduli of polymer films from acoustic impedance data. <i>Electrochimica Acta</i> , 2014, 122, 16-20.	5.2	12
43	An Electrochemical and Photoelectron Spectroscopy Study of a Low Temperature Liquid Metal Battery Based on an Ionic Liquid Electrolyte. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2488-A2493.	2.9	12
44	Ta and Nb Electrodeposition from Ionic Liquids. <i>ECS Transactions</i> , 2013, 50, 229-237.	0.5	11
45	Electrodeposition of aluminium from ionic liquids on high strength steel. <i>Transactions of the Institute of Metal Finishing</i> , 2019, 97, 82-88.	1.3	11
46	Efficient preparation of Ni-M (M=Fe, Co, Mo) bimetallic oxides layer on Ni nanorod arrays for electrocatalytic oxygen evolution. <i>Applied Materials Today</i> , 2021, 25, 101185.	4.3	10
47	Electrochemical Deposition of Aluminum and Aluminum-Manganese Alloys in Ionic Liquids. <i>ECS Transactions</i> , 2016, 75, 657-665.	0.5	8
48	Application of the Electrochemical Quartz Crystal Microbalance for the Investigation of Metal Depositions from Ionic Liquids. <i>ECS Transactions</i> , 2009, 16, 411-420.	0.5	7
49	Effects of a magnetic field on growth of porous alumina films on aluminum. <i>Electrochimica Acta</i> , 2010, 55, 4180-4187.	5.2	7
50	Square wave voltammetric detection of electroactive products resulting from electrochemical nitrate reduction in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2012, 675, 32-40.	3.8	7
51	Effect of continuous magnetic field on the growth mechanism of nanoporous anodic alumina films on different substrates. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2765-2772.	2.5	7
52	Ultrasound Assisted Electrodeposition of Cu-SiO ₂ Composite Coatings: Effect of Particle Surface Chemistry. <i>Journal of the Electrochemical Society</i> , 2019, 166, D244-D251.	2.9	7
53	Cation exchange behavior during the redox switching of poly (3,4-ethylenedioxythiophene) films. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 3231-3244.	2.5	7
54	Application of acoustic impedance method to monitoring of sensors: Metal deposition on viscoelastic polymer substrate. <i>Electrochimica Acta</i> , 2014, 118, 88-91.	5.2	6

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55	Formation of ordered anodic alumina nanofibers during aluminum anodizing in oxalic acid at high voltage and electrical power. <i>Surface and Coatings Technology</i> , 2020, 394, 125813.	4.8	6
56	An electrochemical quartz crystal microbalance study on adsorption of single walled carbon nanotubes onto poly[3,4-ethylenedioxythiophene] layers. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2581-2589.	2.5	5
57	Electrochemical reduction mechanism of NbF ₅ and NbCl ₅ in the ionic liquid 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate. <i>Electrochimica Acta</i> , 2019, 321, 134600.	5.2	5
58	Electrochemical Quartz Crystal Microbalance. , 2014, , 554-568.		5
59	Nucleation and Growth of Metal Layers under the Influence of a Magnetic Field. <i>ECS Transactions</i> , 2008, 13, 1-7.	0.5	3
60	Electrodeposition of NiFe Alloys in a Magnetic Field. <i>ECS Transactions</i> , 2007, 3, 15-27.	0.5	2
61	Electrodeposition of Ferromagnetic Materials from Air and Water Stable Ionic Liquids. <i>ECS Transactions</i> , 2008, 13, 113-119.	0.5	2
62	Nanoporous Alumina Growth in a Magnetic Field. <i>ECS Transactions</i> , 2013, 50, 141-146.	0.5	2
63	Electrochemical Detection of Neurotransmitters Using Modified PEDOT Electrodes. <i>ECS Transactions</i> , 2016, 75, 149-155.	0.5	2
64	Influence of thermal treatment on the magnetic properties and morphology of electrodeposited Fe-Co films. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 513, 167204.	2.3	2
65	Nanoparticle gas phase electrodeposition: Fundamentals, fluid dynamics, and deposition kinetics. <i>Journal of Aerosol Science</i> , 2021, 151, 105652.	3.8	2
66	Influence of Fluid Dynamics on the Electrochemical Deposition of Tantalum. <i>ECS Transactions</i> , 2016, 75, 287-295.	0.5	1
67	Detection of flexibly bound adsorbate using the nonlinear response of quartz crystal resonator driven at high oscillation amplitude. <i>Electrochimica Acta</i> , 2017, 252, 424-429.	5.2	1
68	Influence of Plating Conditions on Nickel-Chromium Alloy Electrodeposition. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1530-1530.	0.0	1
69	Application of the Electrochemical Quartz Crystal Microbalance for the Investigation of Metal Depositions from Ionic Liquids. <i>ECS Meeting Abstracts</i> , 2008, , .	0.0	1
70	Electrocodeposition of Titanium and Gallium from 1-Butyl-1-Methylpyrrolidinium Trifluoromethanesulfonate. <i>Journal of the Electrochemical Society</i> , 2020, 167, 122512.	2.9	1
71	Comment and Corrigendum on "Aluminum Deposition and Dissolution in [EMIm]Cl-Based Ionic Liquids" Kinetics of Charge Transfer and the Rate-Determining Step [J. Electrochem. Soc., 167, 102516 (2020)]. <i>Journal of the Electrochemical Society</i> , 2020, 167, 148501.	2.9	1
72	Cathodic Corrosion Protection of Steel with Electroplated Aluminum Alloys. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1344-1344.	0.0	0

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73	Investigation of the Electrochemical Kinetics of Aluminum Deposition from Ionic Liquids. ECS Meeting Abstracts, 2020, MA2020-02, 2989-2989.	0.0	0
74	Chromium Electroplating from Cr(III) in Deep Eutectic Solvents. ECS Meeting Abstracts, 2020, MA2020-02, 2908-2908.	0.0	0
75	Electrochemical Deposition of Pd/Ag for Electrocatalytic Applications. ECS Meeting Abstracts, 2020, MA2020-02, 1496-1496.	0.0	0
76	Influence of 1,1-Dimethylpropargylamine on Nickel Electroplating. ECS Meeting Abstracts, 2022, MA2022-01, 1185-1185.	0.0	0