

# 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	Influence of 1,1-Dimethylpropargylamine on Nickel Electroplating. ECS Meeting Abstracts, 2022, MA2022-01, 1185-1185.	0.0	0
2	Electrocodeposition of Ni composites and surface treatment of SiC nano-particles. Surface and Coatings Technology, 2021, 406, 126663.	4.8	13
3	Nanoparticle gas phase electrodeposition: Fundamentals, fluid dynamics, and deposition kinetics. Journal of Aerosol Science, 2021, 151, 105652.	3.8	2
4	Determination of transport parameters in [EMIm]Cl <sup>-</sup> -based Ionic Liquids – Diffusion and electrical conductivity. Electrochimica Acta, 2021, 366, 137370.	5.2	14
5	Efficient preparation of Ni-M (M=Fe, Co, Mo) bimetallic oxides layer on Ni nanorod arrays for electrocatalytic oxygen evolution. Applied Materials Today, 2021, 25, 101185.	4.3	10
6	Characterization of Plukenetia volubilis L. fatty acid-based alkyd resins. Polymer Testing, 2020, 82, 106296.	4.8	15
7	Aluminum Deposition and Dissolution in [EMIm]Cl-Based Ionic Liquids – Kinetics of Charge Transfer and the Rate-Determining Step. Journal of the Electrochemical Society, 2020, 167, 102516.	2.9	20
8	Ni <sub>3</sub> N-Coated Ni Nanorod Arrays for Hydrogen and Oxygen Evolution in Electrochemical Water Splitting. ACS Applied Nano Materials, 2020, 3, 10986-10995.	5.0	23
9	Cation exchange behavior during the redox switching of poly (3,4-ethylenedioxythiophene) films. Journal of Solid State Electrochemistry, 2020, 24, 3231-3244.	2.5	7
10	Formation of ordered anodic alumina nanofibers during aluminum anodizing in oxalic acid at high voltage and electrical power. Surface and Coatings Technology, 2020, 394, 125813.	4.8	6
11	Electrochemical Preparation of Cobalt-Samarium Nanoparticles in an Aprotic Ionic Liquid. Journal of the Electrochemical Society, 2020, 167, 042505.	2.9	20
12	Influence of thermal treatment on the magnetic properties and morphology of electrodeposited Fe-Co films. Journal of Magnetism and Magnetic Materials, 2020, 513, 167204.	2.3	2
13	Anodic dissolution of aluminum and anodic passivation in [EMIm]Cl-based ionic liquids. Electrochemistry Communications, 2020, 115, 106720.	4.7	18
14	Effect of polyalcohols on the anticorrosive behaviour of alkyd coatings prepared with drying oils. Progress in Organic Coatings, 2020, 145, 105671.	3.9	15
15	Influence of Plating Conditions on Nickel-Chromium Alloy Electrodeposition. ECS Meeting Abstracts, 2020, MA2020-02, 1530-1530.	0.0	1
16	Electrocodeposition of Titanium and Gallium from 1-Butyl-1-Methylpyrrolidinium Trifluoromethanesulfonate. Journal of the Electrochemical Society, 2020, 167, 122512.	2.9	1
17	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)]. Journal of the Electrochemical Society, 2020, 167, 148501.	2.9	1
18	Cathodic Corrosion Protection of Steel with Electroplated Aluminum Alloys. ECS Meeting Abstracts, 2020, MA2020-02, 1344-1344.	0.0	0

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19	Investigation of the Electrochemical Kinetics of Aluminum Deposition from Ionic Liquids. ECS Meeting Abstracts, 2020, MA2020-02, 2989-2989.	0.0	0
20	Chromium Electroplating from Cr(III) in Deep Eutectic Solvents. ECS Meeting Abstracts, 2020, MA2020-02, 2908-2908.	0.0	0
21	Electrochemical Deposition of Pd/Ag for Electrocatalytic Applications. ECS Meeting Abstracts, 2020, MA2020-02, 1496-1496.	0.0	0
22	Electrochemical reduction mechanism of NbF <sub>5</sub> and NbCl <sub>5</sub> in the ionic liquid 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate. Electrochimica Acta, 2019, 321, 134600.	5.2	5
23	Ultrasound Assisted Electrodeposition of Cu-SiO <sub>2</sub> Composite Coatings: Effect of Particle Surface Chemistry. Journal of the Electrochemical Society, 2019, 166, D244-D251.	2.9	7
24	Electrodeposition of aluminium from ionic liquids on high strength steel. Transactions of the Institute of Metal Finishing, 2019, 97, 82-88.	1.3	11
25	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. Journal of Materials Chemistry A, 2018, 6, 17787-17799.	10.3	28
26	An Electrochemical Quartz Crystal Microbalance Study on Electrodeposition of Aluminum and Aluminum-Manganese Alloys. Journal of the Electrochemical Society, 2017, 164, H5263-H5270.	2.9	14
27	Detection of flexibly bound adsorbate using the nonlinear response of quartz crystal resonator driven at high oscillation amplitude. Electrochimica Acta, 2017, 252, 424-429.	5.2	1
28	Influence of Fluid Dynamics on the Electrochemical Deposition of Tantalum. ECS Transactions, 2016, 75, 287-295.	0.5	1
29	Electrochemical Deposition of Aluminum and Aluminum-Manganese Alloys in Ionic Liquids. ECS Transactions, 2016, 75, 657-665.	0.5	8
30	Electrochemical Detection of Neurotransmitters Using Modified PEDOT Electrodes. ECS Transactions, 2016, 75, 149-155.	0.5	2
31	An Electrochemical and Photoelectron Spectroscopy Study of a Low Temperature Liquid Metal Battery Based on an Ionic Liquid Electrolyte. Journal of the Electrochemical Society, 2016, 163, A2488-A2493.	2.9	12
32	Effect of continuous magnetic field on the growth mechanism of nanoporous anodic alumina films on different substrates. Journal of Solid State Electrochemistry, 2016, 20, 2765-2772.	2.5	7
33	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. Electrochimica Acta, 2016, 197, 374-387.	5.2	31
34	An electrochemical quartz crystal microbalance study on adsorption of single walled carbon nanotubes onto poly[3,4-ethylenedioxythiophene] layers. Journal of Solid State Electrochemistry, 2015, 19, 2581-2589.	2.5	5
35	Synchronous Formation of ZnO/ZnS Core/Shell Nanotube Arrays with Removal of Template for Meliorating Photoelectronic Performance. Journal of Physical Chemistry C, 2015, 119, 1575-1582.	3.1	25
36	Application of acoustic impedance method to monitoring of sensors: Metal deposition on viscoelastic polymer substrate. Electrochimica Acta, 2014, 118, 88-91.	5.2	6

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37	Electrodeposition of Niobium from 1-Butyl-1-Methylpyrrolidinium bis(trifluoromethylsulfonyl)amide Ionic Liquid. <i>Electrochimica Acta</i> , 2014, 129, 312-317.	5.2	25
38	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
39	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
40	Electrodeposition in Ionic Liquids. <i>Electrochemical Society Interface</i> , 2014, 23, 47-51.	0.4	21
41	Electrochemical Quartz Crystal Microbalance. , 2014, , 554-568.		5
42	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
43	Ta and Nb Electrodeposition from Ionic Liquids. <i>ECS Transactions</i> , 2013, 50, 229-237.	0.5	11
44	Nanoporous Alumina Growth in a Magnetic Field. <i>ECS Transactions</i> , 2013, 50, 141-146.	0.5	2
45	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
46	Effect of nano-Al <sub>2</sub> O <sub>3</sub> 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
47	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
48	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
49	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
50	Electrochemical deposition of silver from 1-ethyl-3-methylimidazolium trifluoromethanesulfonate. <i>Electrochimica Acta</i> , 2011, 56, 10332-10339.	5.2	30
51	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
52	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
53	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
54	Photoluminescence properties of heat-treated porous alumina films formed in oxalic acid. <i>Journal of Luminescence</i> , 2011, 131, 938-942.	3.1	46

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55	Effects of a magnetic field on growth of porous alumina films on aluminum. <i>Electrochimica Acta</i> , 2010, 55, 4180-4187.	5.2	7
56	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
57	An SFG/DFG investigation of CN <sup>-</sup> 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
58	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
59	On the electrodeposition of tantalum from three different ionic liquids with the bis(trifluoromethyl) Tj ETQq1 1 0.784314 rgBT /Overloc	2.8	71
60	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
61	Electrodeposition of Co, Sm and Co-Sm Thin Layers. <i>ECS Transactions</i> , 2009, 16, 119-127.	0.5	14
62	In situ STM and EQCM studies of tantalum electrodeposition from TaF <sub>5</sub> 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
63	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
64	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
65	Magnetic field effects on the initial stages of electrodeposition processes. <i>Journal of Electroanalytical Chemistry</i> , 2008, 615, 191-196.	3.8	37
66	Magnetic field effects on electrochemical metal depositions. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 024208.	6.1	36
67	Nucleation and Growth of Metal Layers under the Influence of a Magnetic Field. <i>ECS Transactions</i> , 2008, 13, 1-7.	0.5	3
68	Electrodeposition of Ferromagnetic Materials from Air and Water Stable Ionic Liquids. <i>ECS Transactions</i> , 2008, 13, 113-119.	0.5	2
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	Electrodeposition of NiFe Alloys in a Magnetic Field. <i>ECS Transactions</i> , 2007, 3, 15-27.	0.5	2
71	Influence of a magnetic field on the electrodeposition of nickel-iron alloys. <i>Electrochimica Acta</i> , 2007, 52, 2785-2795.	5.2	69
72	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

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73	Magnetic field effects on microstructural variation of electrodeposited cobalt films. Journal of Solid State Electrochemistry, 2007, 11, 737-743.	2.5	23
74	A preliminary study on ultra high frequency electromagnetic fields effect on black locust chlorophylls. Acta Biologica Hungarica, 2005, 56, 109-117.	0.7	22
75	Influence of a static magnetic field on nickel electrodeposition studied using an electrochemical quartz crystal microbalance, atomic force microscopy and vibrating sample magnetometry. Journal of Electroanalytical Chemistry, 2005, 575, 221-228.	3.8	48
76	An EQCM Study of the Electropolymerization of Benzene in an Ionic Liquid and Ion Exchange Characteristics of the Resulting Polymer Film. Journal of Physical Chemistry B, 2005, 109, 7159-7168.	2.6	57