

I-Wen Sun

List of Publications by Year in descending order

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236925

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times ranked

2686
citing authors

#	ARTICLE	IF	CITATIONS
1	An Assessment of Aluminum Electrodeposition from Aluminum Chloride/4-ethylpyridine Ionic Liquid at Ambient Temperature. <i>Journal of the Electrochemical Society</i> , 2022, 169, 052505.	2.9	2
2	Facile Nonenzymatic Glucose Electrode Composed of Commercial CuO Powder and Ionic Liquid Binder. <i>Electroanalysis</i> , 2021, 33, 909-915.	2.9	3
3	Electrochemical preparation of porous ZnCuNi by electrodeposition in ethaline deep eutectic solvent followed by anodic or cathodic dealloying in alkaline aqueous solutions for higher nitrate reduction activity. <i>Journal of Electroanalytical Chemistry</i> , 2021, 890, 115256.	3.8	4
4	Choline Chloride-Carboxylic Acid Based Deep Eutectic Solvents as Advantageous Electrolytes for Direct Electrochemical Conversion of Tin Oxide to Tin. <i>Journal of the Electrochemical Society</i> , 2021, 168, 112509.	2.9	1
5	An Evaluation on the Electrochemical Recovery of Indium from Water Insoluble Indium Oxide in a Choline Chloride-Malonic Acid Eutectic Electrolyte. <i>Journal of the Electrochemical Society</i> , 2020, 167, 162512.	2.9	2
6	Galvanic Displacement Deposition of Bismuth on Copper in the Ambient Ethaline Deep Eutectic Solvent in the Absence and Presence of Water and Additives. <i>Journal of the Electrochemical Society</i> , 2019, 166, D768-D775.	2.9	7
7	A Glance of the Electrochemical Co-Deposition of Indium and Arsenic in a Choline Chloride/Ethylene Glycol Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2019, 166, D374-D380.	2.9	3
8	Novel Aryl-Imidazolium Ionic Liquids with Dual Brønsted/Lewis Acidity as Both Solvents and Catalysts for Friedel-Crafts Alkylation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4743.	2.5	6
9	Electrochemical co-deposition of gallium and antimonide from the 1-butyl-1-methylpyrrolidinium dicyanamide room temperature ionic liquid. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 48-54.	3.8	12
10	A feasible and practical ¹ H NMR analytical method for the quality control and quantification of bioactive principles in Lycii Fructus. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 1105-1112.	1.9	22
11	Template-Free Electrodeposition of Net-Like Co-Al/Oxide Structures from a Lewis Acidic Chloroaluminate Room Temperature Ionic Liquid Using a Potential Step Method. <i>Journal of the Electrochemical Society</i> , 2018, 165, D716-D721.	2.9	1
12	Synthesis and Properties of Magnetic Aryl-Imidazolium Ionic Liquids with Dual Brønsted/Lewis Acidity. <i>Materials</i> , 2018, 11, 2539.	2.9	13
13	CuAg nanoparticles formed <i>in situ</i> on electrochemically pre-anodized screen-printed carbon electrodes for the detection of nitrate and nitrite anions. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 982-988.	1.4	10
14	Electrodeposition of Bismuth in a Choline Chloride/Ethylene Glycol Deep Eutectic Solvent under Ambient Atmosphere. <i>Journal of the Electrochemical Society</i> , 2018, 165, D331-D338.	2.9	12
15	Promotion of SERS and catalytic activities with bimetallic and ternary concave nanolayers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13041-13049.	10.3	23
16	Template-Free Fabrication of Diameter-Modulated Co-Zn/Oxide Wires from a Chlorozincate Ionic Liquid by Using Pulse Potential Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2017, 164, D425-D428.	2.9	5
17	Anomalous Voltammetric Behavior Observed for Electrodeposition of Indium in the 1-Butyl-1-methylpyrrolidinium Dicyanamide Ionic Liquid. A Result of the Ionic Liquid Cation Adsorption. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8907-8913.	3.1	12
18	Some Aspects on the One-Pot Fabrication of Nanoporous Pd-Au Surface Films by Electrochemical Alloying/Dealloying of (Pd-Au)-Zn from a Chlorozincate Ionic Liquid. <i>ACS Omega</i> , 2017, 2, 4911-4919.	3.5	9

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19	Electrodeposition of Stoichiometric Indium Antimonide from Room-Temperature Ionic Liquid 1-Butyl-1-Methylpyrrolidinium Dicyanamide. <i>ChemElectroChem</i> , 2016, 3, 638-643.	3.4	10
20	A rapid quantitative ¹ H NMR analysis of kinsenoside and other bioactive principles from <i>Anoectochilus formosanus</i> . <i>Analytical Methods</i> , 2016, 8, 5645-5650.	2.7	5
21	1-Butyl-1-Methylpyrrolidinium Dicyanamide Room Temperature Ionic Liquid for Electrodeposition of Antimony. <i>Journal of the Electrochemical Society</i> , 2016, 163, D188-D193.	2.9	9
22	Template free synthesis of beaded aluminium sub-microwires via pulse potential electrodeposition. <i>RSC Advances</i> , 2016, 6, 75054-75057.	3.6	11
23	Electrochemical study and recovery of Pb using 1:2 choline chloride/urea deep eutectic solvent: A variety of Pb species PbSO ₄ , PbO ₂ , and PbO exhibits the analogous thermodynamic behavior. <i>Electrochimica Acta</i> , 2016, 214, 265-275.	5.2	42
24	An ether bridge between cations to extend the applicability of ionic liquids in electric double layer capacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 19160-19169.	10.3	18
25	Facile electrochemical preparation of hierarchical porous structures to enhance manganese oxide charge-storage properties in ionic liquid electrolytes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4015-4018.	10.3	11
26	Influence of LiTFSI Addition on Conductivity, Diffusion Coefficient, Spin-Lattice Relaxation Times, and Chemical Shift of One-Dimensional NMR Spectroscopy in LiTFSI-Doped Dual-Functionalized Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 471-483.	1.9	13
27	One-step electrochemical fabrication of nanoporous gold wire arrays from ionic liquid. <i>Chemical Communications</i> , 2014, 50, 246-248.	4.1	19
28	Speciation of cobalt-chloride-based ionic liquids and electrodeposition of Co wires. <i>Electrochimica Acta</i> , 2014, 117, 217-223.	5.2	51
29	Electrodeposition of CuZn from Chlorozincate Ionic Liquid: From Hollow Tubes to Segmented Nanowires. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22347-22355.	3.1	31
30	Semiconductors Groups II-IV and III-V, <i>Electrochemical Deposition</i> , 2014, , 1927-1947.		3
31	Doped butylmethylpyrrolidinium-dicyanamide ionic liquid as an electrolyte for MnO ₂ supercapacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 6274.	6.7	40
32	Direct electrodeposition of FeCoZn wire arrays from a zinc chloride-based ionic liquid. <i>Electrochemistry Communications</i> , 2011, 13, 1178-1181.	4.7	24
33	Electrochemical growth of hierarchical CuSn nanobrushes from an ionic liquid. <i>Electrochemistry Communications</i> , 2011, 13, 1510-1513.	4.7	15
34	Electrochemistry of tin in the 1-ethyl-3-methylimidazolium dicyanamide room temperature ionic liquid. <i>Electrochimica Acta</i> , 2011, 56, 3941-3946.	5.2	38
35	Synthesis and properties of new tetrachlorocobaltate (II) and tetrachloromanganate (II) anion salts with dicationic counterions. <i>Polyhedron</i> , 2011, 30, 497-507.	2.2	54
36	Isolated BMI ⁺ Cations are More than Isolated PF ₆ ⁻ Anions in the Room Temperature 1-Butyl-3-methylimidazolium Hexafluorophosphate (BMI ⁺ PF ₆ ⁻) Ionic Liquid. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 1293-1298.		14

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37	Synthesis and properties of new (1/4-oxo)bis[trichloroferrate(III)] dianion salts incorporated with dicationic moiety. Polyhedron, 2010, 29, 2976-2984.	2.2	28
38	Nano-architected Co(OH) ₂ electrodes constructed using an easily-manipulated electrochemical protocol for high-performance energy storage applications. Journal of Materials Chemistry, 2010, 20, 3729.	6.7	228
39	Single-step large-scale and template-free electrochemical growth of Ni-Zn alloy filament arrays from a zinc chloride based ionic liquid. Chemical Communications, 2010, 46, 2686.	4.1	42
40	Direct template-free electrochemical growth of hexagonal CuSn tubes from an ionic liquid. Chemical Communications, 2010, 46, 484-486.	4.1	36
41	Pseudocapacitive behavior of Mn oxide in aprotic 1-ethyl-3-methylimidazolium dicyanamide ionic liquid. Journal of Materials Chemistry, 2009, 19, 3732.	6.7	43
42	Extraction of Copper in ZSM-5 with a RTIL. Electrochemistry, 2009, 77, 748-750.	1.4	3
43	Electrodeposition of Ni-Cu Alloys in an Air and Water Stable Room Temperature Ionic Liquid. Electrochemistry, 2009, 77, 582-584.	1.4	16
44	Electrodeposition of Al on Magnesium Alloy from Aluminum Chloride/1-ethyl-3-methylimidazolium Chloride Ionic Liquids. Electrochemistry, 2009, 77, 585-587.	1.4	9
45	Electrodeposition of Nanostructured Sn in 1-ethyl-3-methylimidazolium Dicyanamide Room Temperature Ionic Liquid. Electrochemistry, 2009, 77, 588-590.	1.4	7
46	A Nonenzymatic Glucose Sensor Using Nanoporous Platinum Electrodes Prepared by Electrochemical Alloying/Dealloying in a Water-Insensitive Zinc Chloride-1-ethyl-3-methylimidazolium Chloride Ionic Liquid. Electroanalysis, 2008, 20, 771-775.	2.9	55
47	Dicyanamide anion based ionic liquids for electrodeposition of metals. Electrochemistry Communications, 2008, 10, 213-216.	4.7	151
48	Fabrication of Porous Tin by Template-Free Electrodeposition of Tin Nanowires from an Ionic Liquid. Electrochemical and Solid-State Letters, 2008, 11, D85.	2.2	23
49	Formation of Nanoporous Nickel by Selective Anodic Etching of the Nobler Copper Component from Electrodeposited Nickel-Copper Alloys. Journal of Physical Chemistry C, 2008, 112, 1371-1376.	3.1	95
50	Electrochemical Preparation of Porous Copper Surfaces in Zinc Chloride-1-ethyl-3-methyl Imidazolium Chloride Ionic Liquid. Journal of the Electrochemical Society, 2007, 154, D316.	2.9	58
51	Photophysical and Electrochemical Properties of Blue Phosphorescent Iridium(III) Complexes. Organometallics, 2007, 26, 2017-2023.	2.3	96
52	Studies of the 5-Substituted Phenylisoquinoline-Based Iridium Complexes Using Density Functional Theory. Organometallics, 2006, 25, 4514-4519.	2.3	38
53	Formation of Porous Silver by Electrochemical Alloying/Dealloying in a Water-Insensitive Zinc Chloride-1-ethyl-3-methyl Imidazolium Chloride Ionic Liquid. Journal of Physical Chemistry B, 2006, 110, 5215-5222.	2.6	89
54	Bi-substituted Effect on Phenylisoquinoline Iridium(III) Complexes. Organometallics, 2005, 24, 6230-6238.	2.3	28

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55	Electrochemical Study of Indium in a Water-Stable 1-Ethyl-3-Methylimidazolium Chloride/Tetrafluoroborate Room Temperature Ionic Liquid. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 253-260.	1.4	24
56	Synthesis of a high-efficiency red phosphorescent emitter for organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2004, 14, 947.	6.7	133
57	Formation of Nanoporous Platinum by Selective Anodic Dissolution of PtZn Surface Alloy in a Lewis Acidic Zinc Chloride-1-Ethyl-3-methylimidazolium Chloride Ionic Liquid. <i>Chemistry of Materials</i> , 2004, 16, 1829-1831.	6.7	102
58	Diels-Alder Reaction in Air- and Moisture-Stable Zinc-Containing Ionic Liquids. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 367-370.	1.4	13
59	Electrodeposition of Indium Antimonide from the Water-Stable 1-Ethyl-3-methylimidazolium Chloride/Tetrafluoroborate Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2003, 150, C544.	2.9	46
60	Lewis acidity dependency of the electrochemical window of zinc chloride-1-ethyl-3-methylimidazolium chloride ionic liquids. <i>Electrochimica Acta</i> , 2002, 47, 4367-4372.	5.2	131
61	NMR EVIDENCE OF HYDROGEN BOND IN 1-ETHYL-3-METHYLIMIDAZOLIUM-TETRAFLUOROBORATE ROOM TEMPERATURE IONIC LIQUID. <i>Spectroscopy Letters</i> , 2001, 34, 591-603.	1.0	27
62	Determination of Diquat at a Nafion Film Modified Glassy Carbon Electrode Using Electrocatalytic Voltammetry. <i>Electroanalysis</i> , 2000, 12, 605-609.	2.9	11
63	Electrochemistry of Cd(II) in the basic 1-ethyl-3-methylimidazolium chloride/tetrafluoroborate room temperature molten salt. <i>Electrochimica Acta</i> , 2000, 45, 3163-3170.	5.2	81
64	Determination of Diquat at a Nafion Film Modified Glassy Carbon Electrode Using Electrocatalytic Voltammetry. <i>Electroanalysis</i> , 2000, 12, 605-609.	2.9	1