

I-Wen Sun

List of Publications by Year in descending order

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64
papers

2,178
citations

236925

25
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223800

46
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67
all docs

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docs citations

67
times ranked

2686
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-architected Co(OH) ₂ electrodes constructed using an easily-manipulated electrochemical protocol for high-performance energy storage applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 3729.	6.7	228
2	Dicyanamide anion based ionic liquids for electrodeposition of metals. <i>Electrochemistry Communications</i> , 2008, 10, 213-216.	4.7	151
3	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
4	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
5	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
6	Photophysical and Electrochemical Properties of Blue Phosphorescent Iridium(III) Complexes. <i>Organometallics</i> , 2007, 26, 2017-2023.	2.3	96
7	Formation of Nanoporous Nickel by Selective Anodic Etching of the Nobler Copper Component from Electrodeposited Nickel-Copper Alloys. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1371-1376.	3.1	95
8	Formation of Porous Silver by Electrochemical Alloying/Dealloying in a Water-Insensitive Zinc Chloride-1-ethyl-3-methyl Imidazolium Chloride Ionic Liquid. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5215-5222.	2.6	89
9	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
10	Electrochemical Preparation of Porous Copper Surfaces in Zinc Chloride-1-ethyl-3-methyl Imidazolium Chloride Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2007, 154, D316.	2.9	58
11	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. <i>Electroanalysis</i> , 2008, 20, 771-775.	2.9	55
12	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
13	Speciation of cobalt-chloride-based ionic liquids and electrodeposition of Co wires. <i>Electrochimica Acta</i> , 2014, 117, 217-223.	5.2	51
14	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
15	Pseudocapacitive behavior of Mn oxide in aprotic 1-ethyl-3-methylimidazolium-dicyanamide ionic liquid. <i>Journal of Materials Chemistry</i> , 2009, 19, 3732.	6.7	43
16	Single-step large-scale and template-free electrochemical growth of Ni-Zn alloy filament arrays from a zinc chloride based ionic liquid. <i>Chemical Communications</i> , 2010, 46, 2686.	4.1	42
17	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
18	Doped butylmethylpyrrolidinium-dicyanamide ionic liquid as an electrolyte for MnO ₂ supercapacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 6274.	6.7	40

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19	Studies of the 5-Substituted Phenylisoquinoline-Based Iridium Complexes Using Density Functional Theory. <i>Organometallics</i> , 2006, 25, 4514-4519.	2.3	38
20	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
21	Direct template-free electrochemical growth of hexagonal CuSn tubes from an ionic liquid. <i>Chemical Communications</i> , 2010, 46, 484-486.	4.1	36
22	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
23	Bi-substituted Effect on Phenylisoquinoline Iridium(III) Complexes. <i>Organometallics</i> , 2005, 24, 6230-6238.	2.3	28
24	Synthesis and properties of new (1/4-oxo)bis[trichloroferrate(III)] dianion salts incorporated with dicationic moiety. <i>Polyhedron</i> , 2010, 29, 2976-2984.	2.2	28
25	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
26	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
27	Direct electrodeposition of FeCoZn wire arrays from a zinc chloride-based ionic liquid. <i>Electrochemistry Communications</i> , 2011, 13, 1178-1181.	4.7	24
28	Fabrication of Porous Tin by Template-Free Electrodeposition of Tin Nanowires from an Ionic Liquid. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, D85.	2.2	23
29	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
30	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
31	One-step electrochemical fabrication of nanoporous gold wire arrays from ionic liquid. <i>Chemical Communications</i> , 2014, 50, 246-248.	4.1	19
32	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
33	Electrodeposition of Ni-Cu Alloys in an Air and Water Stable Room Temperature Ionic Liquid. <i>Electrochemistry</i> , 2009, 77, 582-584.	1.4	16
34	Electrochemical growth of hierarchical CuSn nanobrushes from an ionic liquid. <i>Electrochemistry Communications</i> , 2011, 13, 1510-1513.	4.7	15
35	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.	1.4	14
36	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

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37	Influence of LiTFSI Addition on Conductivity, Diffusion Coefficient, Spinâ€“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
38	Synthesis and Properties of Magnetic Aryl-Imidazolium Ionic Liquids with Dual BrÃnsted/Lewis Acidity. <i>Materials</i> , 2018, 11, 2539.	2.9	13
39	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
40	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
41	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
42	Determination of Diquat at a Nafion Film Modified Glassy Carbon Electrode Using Electrocatalytic Voltammetry. <i>Electroanalysis</i> , 2000, 12, 605-609.	2.9	11
43	Template free synthesis of beaded aluminium sub-microwires via pulse potential electrodeposition. <i>RSC Advances</i> , 2016, 6, 75054-75057.	3.6	11
44	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
45	Electrodeposition of Stoichiometric Indium Antimonide from Roomâ€“Temperature Ionic Liquid 1â€“Butylâ€“1â€“Methylpyrrolidinium Dicyanamide. <i>ChemElectroChem</i> , 2016, 3, 638-643.	3.4	10
46	CuAg nanoparticles formed <i>in situ</i> on electrochemically preâ€“anodized screenâ€“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
47	Electrodeposition of Al on Magnesium Alloy from Aluminum Chloride/1-ethyl-3-methylimidazolium Chloride Ionic Liquids. <i>Electrochemistry</i> , 2009, 77, 585-587.	1.4	9
48	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
49	Some Aspects on the One-Pot Fabrication of Nanoporous Pdâ€“Au Surface Films by Electrochemical Alloying/Dealloying of (Pdâ€“Au)â€“Zn from a Chlorozincate Ionic Liquid. <i>ACS Omega</i> , 2017, 2, 4911-4919.	3.5	9
50	Electrodeposition of Nanostructured Sn in 1-ethyl-3-methylimidazolium Dicyanamide Room Temperature Ionic Liquid. <i>Electrochemistry</i> , 2009, 77, 588-590.	1.4	7
51	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
52	Novel Aryl-Imidazolium Ionic Liquids with Dual BrÃnsted/Lewis Acidity as Both Solvents and Catalysts for Friedelâ€“Crafts Alkylation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4743.	2.5	6
53	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
54	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

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55	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
56	Extraction of Copper in ZSM-5 with a RTIL. <i>Electrochemistry</i> , 2009, 77, 748-750.	1.4	3
57	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
58	Facile Nonenzymatic Glucose Electrode Composed of Commercial CuO Powder and Ionic Liquid Binder. <i>Electroanalysis</i> , 2021, 33, 909-915.	2.9	3
59	Semiconductors Groups II-IV and III-V, <i>Electrochemical Deposition</i> . , 2014, , 1927-1947.		3
60	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
61	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
62	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
63	Determination of Diquat at a Nafion Film Modified Glassy Carbon Electrode Using Electrocatalytic Voltammetry. <i>Electroanalysis</i> , 2000, 12, 605-609.	2.9	1
64	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