Jing-Fang Huang

List of Publications by Year
in descending order

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Version: 2024-02-01

35 papers	1,866 citations	257450 24 h-index	345221 36 g-index
36 all docs	36 docs citations	36 times ranked	2101 citing authors

#	Article	IF	Citations
1	Hydrophobic BrÃ¸nsted Acidâ˘Base Ionic Liquids Based on PAMAM Dendrimers with High Proton Conductivity and Blue Photoluminescence. Journal of the American Chemical Society, 2005, 127, 12784-12785.	13.7	157
2	NMR evidence of hydrogen bonding in 1-ethyl-3-methylimidazolium-tetrafluoroborate room temperature ionic liquid. Inorganica Chimica Acta, 2001, 320, 7-11.	2.4	153
3	Ionothermal Synthesis of Hierarchical ZnO Nanostructures from Ionic-Liquid Precursors. Chemistry of Materials, 2006, 18, 4473-4477.	6.7	149
4	Lewis acidity dependency of the electrochemical window of zinc chlorideâ€"1-ethyl-3-methylimidazolium chloride ionic liquids. Electrochimica Acta, 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. Chemistry of Materials, 2004, 16, 1829-1831.	6.7	102
6	A New Strategy for Synthesis of Novel Classes of Room-Temperature Ionic Liquids Based on Complexation Reaction of Cations. Journal of the Electrochemical Society, 2006, 153, J9.	2.9	97
7	Advanced Liquid Membranes Based on Novel Ionic Liquids for Selective Separation of Olefin/Paraffin via Olefin-Facilitated Transport. Industrial & Engineering Chemistry Research, 2008, 47, 881-888.	3.7	94
8	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
9	Gold-nanoparticle-embedded nafion composite modified on glassy carbon electrode for highly selective detection of arsenic(III). Talanta, 2013, 116, 852-859.	5.5	86
10	BrÃ¸nsted acidic room temperature ionic liquids derived from N,N-dimethylformamide and similar protophilic amides. Green Chemistry, 2006, 8, 599-602.	9.0	69
11	Application of a nanoporous gold electrode for the sensitive detection of copper via mercury-free anodic stripping voltammetry. Analyst, The, 2009, 134, 2306.	3.5	64
12	Spontaneous Growth of ZnCO₃ Nanowires on ZnO Nanostructures in Normal Ambient Environment: Unstable ZnO Nanostructures. Chemistry of Materials, 2010, 22, 149-154.	6.7	58
13	Electrochemical Studies of Tin in Zinc Chloride-1-ethyl-3-methylimidazolium Chloride Ionic Liquids. Journal of the Electrochemical Society, 2003, 150, E299.	2.9	57
14	Extraction of Nanosize Copper Pollutants with an Ionic Liquid. Environmental Science & Technology, 2006, 40, 4761-4764.	10.0	57
15	Facile preparation of an ultrathin nickel film coated nanoporous gold electrode with the unique catalytic activity to oxidation of glucose. Chemical Communications, 2009, , 1270.	4.1	51
16	EDTA Assisted Highly Selective Detection of As³⁺ on Au Nanoparticle Modified Glassy Carbon Electrodes: Facile <i>in Situ</i> Electrochemical Characterization of Au Nanoparticles. Analytical Chemistry, 2014, 86, 12406-12413.	6.5	45
17	Electrodeposition of PtZn in a Lewis acidic ZnCl2â€"1-ethyl-3-methylimidazolium chloride ionic liquid. Electrochimica Acta, 2004, 49, 3251-3258.	5.2	43
18	Galvanostatic Deposition of Palladium-Gold Alloys in a Lewis Basic EMI-Cl-BF[sub 4] Ionic Liquid. Journal of the Electrochemical Society, 2004, 151, C811.	2.9	43

#	Article	IF	Citations
19	Electrochemical Study of Cadmium in Acidic Zinc Chloride-1-ethyl-3-methylimidazolium Chloride Ionic Liquids. Journal of the Electrochemical Society, 2002, 149, E348.	2.9	40
20	Heatâ€Assisted Electrodissolution of Platinum in an Ionic Liquid. Angewandte Chemie - International Edition, 2012, 51, 1684-1688.	13.8	35
21	3â€Ð Nanoporous Pt Electrode Prepared by a 2â€Ð UPD Monolayer Process. Electroanalysis, 2008, 20, 2229-2234.	2.9	34
22	Silver UPD ultra-thin film modified nanoporous gold electrode with applications in the electrochemical detection of chloride. Talanta, 2009, 77, 1694-1700.	5.5	32
23	Making Ag Present Pt-like Activity for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 8285-8290.	6.7	29
24	NMR EVIDENCE OF HYDROGEN BOND IN 1-ETHYL-3-METHYLIMIDAZOLIUM-TETRAFLUOROBORATE ROOM TEMPERATURE IONIC LIQUID. Spectroscopy Letters, 2001, 34, 591-603.	1.0	27
25	High performance layer-by-layer Pt₃Ni(Pt-skin)-modified Pd/C for the oxygen reduction reaction. Chemical Science, 2018, 9, 6134-6142.	7.4	25
26	Tunable Ag Micromorphologies Show High Activities for Electrochemical H₂ Evolution and CO₂ Electrochemical Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 6352-6359.	6.7	18
27	Cu(i)-mediating Pt reduction to form Pt-nanoparticle-embedded Nafion composites and their electrocatalytic O2 reduction. Journal of Materials Chemistry, 2012, 22, 17961.	6.7	13
28	Thermostable carbon-supported subnanometer-sized (<1 nm) Pt clusters for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 21972-21980.	10.3	13
29	Cu+ assisted preparation of mesoporous Pt-organic composites for highly selective and sensitive non-enzymatic glucose sensing. Journal of Materials Chemistry B, 2014, 2, 1354.	5.8	11
30	Micro-morphological reconstruction of nanoporous gold electrode. Journal of Materials Chemistry, 2010, 20, 1431.	6.7	9
31	Electrochemically Identifying Degradation Pathways of Carbon-Supported Pt Catalysts Assists in Designing Highly Durable Catalysts. ACS Applied Materials & Interfaces, 2016, 8, 33749-33754.	8.0	7
32	Electrochemical Quantifying, Counting, and Sizing Supported Pt Nanoparticles in Real Time. Analytical Chemistry, 2016, 88, 6403-6409.	6.5	7
33	A facile Pt catalyst regeneration process significantly improves the catalytic activity of Ptâ€“organic composites for the O₂ reduction reaction. Chemical Communications, 2015, 51, 12052-12055.	4.1	6
34	Pseudo-atomic-scale metals well-dispersed on nano-carbons as ultra-low metal loading oxygen-evolving electrocatalysts. Chemical Science, 2020, 11, 6012-6019.	7.4	6
35	Engineering sub-nano structures with highly jagged edges on the Pt surface of Pt/C electrocatalysts to promote oxygen reduction reactions. Electrochimica Acta, 2021, 372, 137868.	5.2	3