

Ming-Jay Deng

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,520
citations

304602

22
h-index

434063

31
g-index

31
all docs

31
docs citations

31
times ranked

2032
citing authors

#	ARTICLE	IF	CITATIONS
1	Dicyanamide anion based ionic liquids for electrodeposition of metals. <i>Electrochemistry Communications</i> , 2008, 10, 213-216.	2.3	151
2	Electrodeposition of aluminum on magnesium alloy in aluminum chloride (AlCl ₃)–1-ethyl-3-methylimidazolium chloride (EMIC) ionic liquid and its corrosion behavior. <i>Electrochemistry Communications</i> , 2007, 9, 1602-1606.	2.3	146
3	An entirely electrochemical preparation of a nano-structured cobalt oxide electrode with superior redox activity. <i>Nanotechnology</i> , 2009, 20, 175602.	1.3	137
4	High-performance electrochemical pseudo-capacitor based on MnO ₂ nanowires/Ni foam as electrode with a novel Li-ion quasi-ionic liquid as electrolyte. <i>Energy and Environmental Science</i> , 2011, 4, 3942.	15.6	96
5	X-ray Photoelectron Spectroscopy and in Situ X-ray Absorption Spectroscopy Studies on Reversible Insertion/Desorption of Dicyanamide Anions into/from Manganese Oxide in Ionic Liquid. <i>Chemistry of Materials</i> , 2009, 21, 2688-2695.	3.2	95
6	Fabrication of Mn/Mn oxide core–shell electrodes with three-dimensionally ordered macroporous structures for high-capacitance supercapacitors. <i>Energy and Environmental Science</i> , 2013, 6, 2178.	15.6	79
7	Electrodeposition behavior of nickel in the water- and air-stable 1-ethyl-3-methylimidazolium-dicyanamide room-temperature ionic liquid. <i>Electrochimica Acta</i> , 2008, 53, 5812-5818.	2.6	70
8	Facile electrochemical synthesis of 3D nano-architected CuO electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12857-12865.	5.2	68
9	Electrochemistry of Zn(II)/Zn on Mg alloy from the N-butyl-N-methylpyrrolidinium dicyanamide ionic liquid. <i>Electrochimica Acta</i> , 2011, 56, 6071-6077.	2.6	61
10	Electrochemical Study of Copper in the 1-Ethyl-3-Methylimidazolium Dicyanamide Room Temperature Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2008, 155, F55.	1.3	60
11	Physicochemical factors that affect the pseudocapacitance and cyclic stability of Mn oxide electrodes. <i>Electrochimica Acta</i> , 2009, 54, 3278-3284.	2.6	59
12	Electrochemical study and electrodeposition of manganese in the hydrophobic butylmethylpyrrolidinium bis((trifluoromethyl)sulfonyl)imide room-temperature ionic liquid. <i>Electrochimica Acta</i> , 2007, 53, 1931-1938.	2.6	51
13	Improved Corrosion Resistance of Magnesium Alloy with a Surface Aluminum Coating Electrodeposited in Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2008, 155, C112.	1.3	44
14	A nanofluidic osmotic power generator demonstrated in polymer gel electrolytes with substantially enhanced performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26791-26796.	5.2	44
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	4.2 V wearable asymmetric supercapacitor devices based on a VO _x /MnO _x paper electrode and an eco-friendly deep eutectic solvent-based gel electrolyte. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20686-20694.	5.2	41
17	Low Cost Facile Synthesis of Large-Area Cobalt Hydroxide Nanorods with Remarkable Pseudocapacitance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9147-9156.	4.0	38
18	Gravimetric/volumetric capacitances, leakage current, and gas evolution of activated carbon supercapacitors. <i>Electrochimica Acta</i> , 2016, 222, 1153-1159.	2.6	32

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19	Nanostructured Na-doped vanadium oxide synthesized using an anodic deposition technique for supercapacitor applications. <i>Journal of Alloys and Compounds</i> , 2012, 536, S428-S431.	2.8	27
20	Electrochemistry of Manganese in the Hydrophilic N-Butyl-N-methylpyrrolidinium Dicyanamide Room-Temperature Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2008, 155, D575.	1.3	25
21	3D Network V_2O_5 Electrodes in a Gel Electrolyte for High-Voltage Wearable Symmetric Pseudocapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29838-29848.	4.0	24
22	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
23	Encapsulation and Characterization of Nanoemulsions Based on an Anti-oxidative Polymeric Amphiphile for Topical Apigenin Delivery. <i>Polymers</i> , 2021, 13, 1016.	2.0	19
24	1.8 V Aqueous Symmetric Carbon-Based Supercapacitors with Agarose-Bound Activated Carbons in an Acidic Electrolyte. <i>Nanomaterials</i> , 2021, 11, 1731.	1.9	18
25	Electrodeposition of Ni-Cu Alloys in an Air and Water Stable Room Temperature Ionic Liquid. <i>Electrochemistry</i> , 2009, 77, 582-584.	0.6	16
26	Cheap, High-Performance, and Wearable Mn Oxide Supercapacitors with Urea- $LiClO_4$ Based Gel Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 479-486.	4.0	15
27	Biomimetic strategies for 4.0V all-solid-state flexible supercapacitor: Moving toward eco-friendly, safe, aesthetic, and high-performance devices. <i>Chemical Engineering Journal</i> , 2021, 414, 128842.	6.6	10
28	Electrodeposition of Al on Magnesium Alloy from Aluminum Chloride/1-ethyl-3-methylimidazolium Chloride Ionic Liquids. <i>Electrochemistry</i> , 2009, 77, 585-587.	0.6	9
29	Electrodeposition of Nanostructured Sn in 1-ethyl-3-methylimidazolium Dicyanamide Room Temperature Ionic Liquid. <i>Electrochemistry</i> , 2009, 77, 588-590.	0.6	7
30	Formation and characterization of hydrogenated soybean lecithin/TPGS nano-dispersions as a potential carrier for active herbal agents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125796.	2.3	7
31	Enhanced Pseudocapacitive Performance of Symmetric Polypyrrole-MnO ₂ Electrode and Polymer Gel Electrolyte. <i>Polymers</i> , 2021, 13, 3577.	2.0	5