Ming-Jay Deng

List of Publications by Year
in descending order

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	Formation and characterization of hydrogenated soybean lecithin/TPGS nano-dispersions as a potential carrier for active herbal agents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125796.	2.3	7
2	Encapsulation and Characterization of Nanoemulsions Based on an Anti-oxidative Polymeric Amphiphile for Topical Apigenin Delivery. Polymers, 2021, 13, 1016.	2.0	19
3	Biomimetic strategies for 4.0ÂV all-solid-state flexible supercapacitor: Moving toward eco-friendly, safe, aesthetic, and high-performance devices. Chemical Engineering Journal, 2021, 414, 128842.	6.6	10
4	1.8 V Aqueous Symmetric Carbon-Based Supercapacitors with Agarose-Bound Activated Carbons in an Acidic Electrolyte. Nanomaterials, 2021, 11, 1731.	1.9	18
5	Enhanced Pseudocapacitive Performance of Symmetric Polypyrrole-MnO2 Electrode and Polymer Gel Electrolyte. Polymers, 2021, 13, 3577.	2.0	5
6	3D Network V₂O₅ Electrodes in a Gel Electrolyte for High-Voltage Wearable Symmetric Pseudocapacitors. ACS Applied Materials & Interfaces, 2019, 11, 29838-29848.	4.0	24
7	A nanofluidic osmotic power generator demonstrated in polymer gel electrolytes with substantially enhanced performance. Journal of Materials Chemistry A, 2019, 7, 26791-26796.	5.2	44
8	4.2ÂV wearable asymmetric supercapacitor devices based on a VO_x//MnO_x paper electrode and an eco-friendly deep eutectic solvent-based gel electrolyte. Journal of Materials Chemistry A, 2018, 6, 20686-20694.	5.2	41
9	Cheap, High-Performance, and Wearable Mn Oxide Supercapacitors with Urea-LiClO₄ Based Gel Electrolytes. ACS Applied Materials & Interfaces, 2017, 9, 479-486.	4.0	15
10	Gravimetric/volumetric capacitances, leakage current, and gas evolution of activated carbon supercapacitors. Electrochimica Acta, 2016, 222, 1153-1159.	2.6	32
11	Low Cost Facile Synthesis of Large-Area Cobalt Hydroxide Nanorods with Remarkable Pseudocapacitance. ACS Applied Materials & Interfaces, 2015, 7, 9147-9156.	4.0	38
12	Facile electrochemical synthesis of 3D nano-architectured CuO electrodes for high-performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 12857-12865.	5.2	68
13	Fabrication of Mn/Mn oxide coreâ€“shell electrodes with three-dimensionally ordered macroporous structures for high-capacitance supercapacitors. Energy and Environmental Science, 2013, 6, 2178.	15.6	79
14	Nanostructured Na-doped vanadium oxide synthesized using an anodic deposition technique for supercapacitor applications. Journal of Alloys and Compounds, 2012, 536, S428-S431.	2.8	27
15	High-performance electrochemical pseudo-capacitor based on MnO2 nanowires/Ni foam as electrode with a novel Li-ion quasi-ionic liquid as electrolyte. Energy and Environmental Science, 2011, 4, 3942.	15.6	96
16	Electrochemistry of Zn(II)/Zn on Mg alloy from the N-butyl-N-methylpyrrolidinium dicyanamide ionic liquid. Electrochimica Acta, 2011, 56, 6071-6077.	2.6	61
17	Physicochemical factors that affect the pseudocapacitance and cyclic stability of Mn oxide electrodes. Electrochimica Acta, 2009, 54, 3278-3284.	2.6	59
18	X-ray Photoelectron Spectroscopy and in Situ X-ray Absorption Spectroscopy Studies on Reversible Insertion/Desertion of Dicyanamide Anions into/from Manganese Oxide in Ionic Liquid. Chemistry of Materials, 2009, 21, 2688-2695.	3.2	95

#	Article	IF	Citations
19	Pseudocapacitive behavior of Mn oxide in aprotic 1-ethyl-3-methylimidazoliumâ€“dicyanamide ionic liquid. Journal of Materials Chemistry, 2009, 19, 3732.	6.7	43
20	An entirely electrochemical preparation of a nano-structured cobalt oxide electrode with superior redox activity. Nanotechnology, 2009, 20, 175602.	1.3	137
21	Electrodeposition of Ni-Cu Alloys in an Air and Water Stable Room Temperature Ionic Liquid. Electrochemistry, 2009, 77, 582-584.	0.6	16
22	Electrodeposition of Al on Magnesium Alloy from Aluminum Chloride/1-ethyl-3-methylimidazolium Chloride Ionic Liquids. Electrochemistry, 2009, 77, 585-587.	0.6	9
23	Electrodeposition of Nanostructured Sn in 1-ethyl-3-methylimidazolium Dicyanamide Room Temperature Ionic Liquid. Electrochemistry, 2009, 77, 588-590.	0.6	7
24	Electrodeposition behavior of nickel in the water- and air-stable 1-ethyl-3-methylimidazolium-dicyanamide room-temperature ionic liquid. Electrochimica Acta, 2008, 53, 5812-5818.	2.6	70
25	Dicyanamide anion based ionic liquids for electrodeposition of metals. Electrochemistry Communications, 2008, 10, 213-216.	2.3	151
26	Electrochemical Study of Copper in the 1-Ethyl-3-Methylimidazolium Dicyanamide Room Temperature Ionic Liquid. Journal of the Electrochemical Society, 2008, 155, F55.	1.3	60
27	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
28	Electrochemistry of Manganese in the Hydrophilic N-Butyl-N-methylpyrrolidinium Dicyanamide Room-Temperature Ionic Liquid. Journal of the Electrochemical Society, 2008, 155, D575.	1.3	25
29	Improved Corrosion Resistance of Magnesium Alloy with a Surface Aluminum Coating Electrodeposited in Ionic Liquid. Journal of the Electrochemical Society, 2008, 155, C112.	1.3	44
30	Electrodeposition of aluminum on magnesium alloy in aluminum chloride (AlCl3)â€“1-ethyl-3-methylimidazolium chloride (EMIC) ionic liquid and its corrosion behavior. Electrochemistry Communications, 2007, 9, 1602-1606.	2.3	146
31	Electrochemical study and electrodeposition of manganese in the hydrophobic butylmethylpyrrolidinium bis((trifluoromethyl)sulfonyl)imide room-temperature ionic liquid. Electrochimica Acta, 2007, 53, 1931-1938.	2.6	51