Scott W Donne

List of Publications by Year
in descending order

164 papers	5,972 citations	61984 43 h-index	91884 69 g-index
166 all docs	166 docs citations	166 times ranked	6742 citing authors

#	Article	IF	Citations
1	Communicationâ€"Demonstrating the Role of Mass Transport in Double Layer Formation. Journal of the Electrochemical Society, 2022, 169, 020578.	2.9	0
2	Co-pyrolysis of wood chips and bentonite/kaolin: Influence of temperatures and minerals on characteristics and carbon sequestration potential of biochar. Science of the Total Environment, 2022, 838, 156081.	8.0	15
3	Influence of counter ions of ammonium for nitrogen doping and carbon properties in hydrothermal carbonization: characterization and supercapacitor performance. Materials Advances, 2021, 2, 384-397.	5.4	10
4	Semiconductor Properties of Electrodeposited Manganese Dioxide for Electrochemical Capacitors: Mott-Schottky Analysis. Journal of the Electrochemical Society, 2021, 168, 020508.	2.9	10
5	Redox Mechanism Contributions to the Behaviour of Electrochemical Capacitor Materials. Journal of the Electrochemical Society, 2021, 168, 050503.	2.9	2
6	Fabrication of highly and poorly oxidized silver oxide/silver/tin(IV) oxide nanocomposites and their comparative anti-pathogenic properties towards hazardous food pathogens. Journal of Hazardous Materials, 2021, 408, 124896.	12.4	14
7	New insight into ion dynamics in nanoporous carbon materials: An application of the step potential electrochemical spectroscopy (SPECS) technique and electrochemical dilatometry. Electrochimica Acta, 2021, 377, 138115.	5.2	6
8	Mesoporous Biopolymer Architecture Enhanced the Adsorption and Selectivity of Aqueous Heavy-Metal Ions. ACS Omega, 2021, 6, 15316-15331.	3.5	19
9	Thermal and electrochemical impact of kaolin on a direct carbon fuel cell. Fuel, 2021, 291, 120215.	6.4	3
10	Mechanistic Insights of Pore Contributions in Carbon Supercapacitors by Modified Step Potential Electrochemical Spectroscopy. Journal of the Electrochemical Society, 2021, 168, 060530.	2.9	4
11	Fe-Substituted Sodium Î²â€³-Al₂O₃ as a High-Rate Na-Ion Electrode. Chemistry of Materials, 2021, 33, 6136-6145.	6.7	6
12	Electrical double layer formation on glassy carbon in aqueous solution. Electrochimica Acta, 2021, 386, 138416.	5.2	9
13	Thermodynamic and kinetic examination of the glassy carbon electrode in neutral aqueous electrolytes. Journal of Power Sources Advances, 2021, 10, 100062.	5.1	4
14	In-situ detection of LiMn2O4 dissolution during electrochemical cycling by. Electrochimica Acta, 2021, 386, 138366.	5.2	10
15	Capacitive Charge Storage at the Glassy Carbon Electrode: Comparison Between Aqueous and Non-Aqueous Electrolytes. Journal of the Electrochemical Society, 2021, 168, 100508.	2.9	4
16	Combined step potential electrochemical spectroscopy and electrochemical impedance spectroscopy analysis of the glassy carbon electrode in an aqueous electrolyte. Electrochimica Acta, 2021, 396, 139220.	5.2	8
17	Carbon hollow spheres as electrochemical capacitors: Mechanistic insights. Energy Storage Materials, 2020, 24, 550-556.	18.0	33
18	Tuning the Catalytic Preference of Ruthenium Catalysts for Nitrogen Reduction by Atomic Dispersion. Advanced Functional Materials, 2020, 30, 1905665.	14.9	159

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19	Biochar-based fertilizer: Supercharging root membrane potential and biomass yield of rice. Science of the Total Environment, 2020, 713, 136431.	8.0	78
20	Optimized Electrolytic Carbon and Electrolyte Systems for Electrochemical Capacitors. ChemElectroChem, 2020, 7, 266-282.	3.4	11
21	Electroanalytical characterization of electrochemical capacitor systems using step potential electrochemical spectroscopy. Electrochimica Acta, 2020, 332, 135508.	5.2	10
22	Unsaturated p-Metal-Based Metalâ€“Organic Frameworks for Selective Nitrogen Reduction under Ambient Conditions. ACS Applied Materials & Interfaces, 2020, 12, 44830-44839.	8.0	58
23	Passivation by pyridine-induced PbI₂ in methylammonium lead iodide perovskites. RSC Advances, 2020, 10, 23829-23833.	3.6	8
24	Transition Metal Aluminum Boride as a New Candidate for Ambient-Condition Electrochemical Ammonia Synthesis. Nano-Micro Letters, 2020, 12, 65.	27.0	53
25	In Situ Investigation of the Electrodeposition Mechanism of Manganese Dioxide from a Citrate Electrolyte: The Effect of Intermediate Stabilization on Material Morphology. Journal of the Electrochemical Society, 2020, 167, 040520.	2.9	4
26	Characterization of carbonate derived carbons through electrochemical impedance spectroscopy. Electrochimica Acta, 2020, 338, 135847.	5.2	6
27	Carbon electro-catalysis in the direct carbon fuel cell utilising alkali metal molten carbonates: A mechanistic review. Journal of Power Sources, 2020, 453, 227662.	7.8	15
28	One-dimensional Sn(<scp>iv</scp>) hydroxide nanofluid toward nonlinear optical switching. Materials Horizons, 2020, 7, 1150-1159.	12.2	7
29	Modification of the Step Potential Electrochemical Spectroscopy Analysis Protocol to Improve Outcomes. Journal of the Electrochemical Society, 2019, 166, A2727-A2735.	2.9	18
30	Gas Atmosphere Effects Over the Anode Compartment of a Tubular Direct Carbon Fuel Cell Module. Energy & Fuels, 2019, 33, 7901-7907.	5.1	5
31	Modification of Biochar Formation during Slow Pyrolysis in the Presence of Alkali Metal Carbonate Additives. Energy & Fuels, 2019, 33, 11235-11245.	5.1	15
32	Electroanalytical characterization of electrochemical capacitor systems. Electrochimica Acta, 2019, 327, 135010.	5.2	6
33	Electrochemical characterization of the interaction between ammonium nitrate and reactive ground. Electrochimica Acta, 2019, 328, 135080.	5.2	1
34	Silicate Formation in a Ternary Alkali Metal Carbonate Melt. Energy & Fuels, 2019, 33, 12008-12015.	5.1	0
35	Carbon Gasification from a Molten Carbonate Eutectic. Energy Technology, 2019, 7, 1900602.	3.8	8
36	Kinetics of Solid-Gas Reactions and Their Application to Carbonate Looping Systems. Energies, 2019, 12, 2981.	3.1	69

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37	Influence of ammonium salts and temperature on the yield, morphology and chemical structure of hydrothermally carbonized saccharides. SN Applied Sciences, 2019, 1, 1.	2.9	18
38	Influence of red mud on mechanical and durability performance of self-compacting concrete. Journal of Hazardous Materials, 2019, 379, 120802.	12.4	64
39	Complications When Differentiating Charge Transfer Processes in Electrochemical Capacitor Materials: Assessment of Cyclic Voltammetry Data. Journal of the Electrochemical Society, 2019, 166, A1370-A1379.	2.9	36
40	Friedman method kinetic analysis of CaO-based sorbent for high-temperature thermochemical energy storage. Chemical Engineering Science, 2019, 200, 236-247.	3.8	33
41	Comparative Kinetic Analysis of CaCO3/CaO Reaction System for Energy Storage and Carbon Capture. Applied Sciences (Switzerland), 2019, 9, 4601.	2.5	32
42	Oscillatory Current Behavior in Energy Storage Electrode Materials. Journal of the Electrochemical Society, 2019, 166, A3620-A3630.	2.9	4
43	Ruthenium(<scp>iii</scp>) polyethyleneimine complexes for bifunctional ammonia production and biomass upgrading. Journal of Materials Chemistry A, 2019, 7, 25433-25440.	10.3	55
44	Physical characteristics of capacitive carbons derived from the electrolytic reduction of alkali metal carbonate molten salts. RSC Advances, 2019, 9, 36771-36787.	3.6	5
45	Modelling voltametric data from electrochemical capacitors. Journal of Power Sources, 2019, 417, 193-206.	7.8	24
46	Method Comparison for Deconvoluting Capacitive and Pseudo-Capacitive Contributions to Electrochemical Capacitor Electrode Behavior. Journal of the Electrochemical Society, 2018, 165, A664-A673.	2.9	192
47	Duty Cycle Effects on the Step Potential Electrochemical Spectroscopy (SPECS) Analysis of the Aqueous Manganese Dioxide Electrode. Journal of the Electrochemical Society, 2018, 165, A593-A602.	2.9	17
48	A synchrotron X-ray powder diffraction and step potential electrochemical spectroscopy study on the change in manganese dioxide capacitive behaviour during cycling. Electrochimica Acta, 2018, 260, 630-639.	5.2	3
49	An investigation of mineral distribution in coking and thermal coal chars as fuels for the direct carbon fuel cell. Fuel, 2018, 217, 11-20.	6.4	10
50	Effect of electrolyte cation on the charge storage mechanism of manganese dioxide for electrochemical capacitors. Electrochimica Acta, 2018, 271, 337-350.	5.2	41
51	Microstructural and associated chemical changes during the composting of a high temperature biochar: Mechanisms for nitrate, phosphate and other nutrient retention and release. Science of the Total Environment, 2018, 618, 1210-1223.	8.0	163
52	Investigation of novel hydroxyapatite-doped CaO material for calcination-carbonation thermochemical energy storage. AIP Conference Proceedings, 2018, , .	0.4	7
53	Nitrogen Doped Heat-Treated and Activated Hydrothermal Carbon: Examination of Electrochemical Performance Using Step Potential Electrochemical Spectroscopy. Journal of the Electrochemical Society, 2018, 165, A2840-A2848.	2.9	10
54	Effect of clay and iron sulphate on volatile and water-extractable organic compounds in bamboo biochars. Journal of Analytical and Applied Pyrolysis, 2018, 133, 22-29.	5.5	12

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55	The properties and performance of carbon produced through the electrochemical reduction of molten carbonate: A study based on step potential electrochemical spectroscopy. Electrochimica Acta, 2018, 278, 340-351.	5.2	19
56	The Properties of Carbons Derived through the Electrolytic Reduction of Molten Carbonates under Varied Conditions: Part I. A Study Based on Step Potential Electrochemical Spectroscopy. Journal of the Electrochemical Society, 2018, 165, A2608-A2624.	2.9	13
57	Nitrogen doped heat treated and activated hydrothermal carbon: NEXAFS examination of the carbon surface at different temperatures. Carbon, 2018, 128, 179-190.	10.3	34
58	Synchrotron based NEXAFS study on nitrogen doped hydrothermal carbon: Insights into surface functionalities and formation mechanisms. Carbon, 2017, 114, 566-578.	10.3	72
59	Nanoscale analyses of the surface structure and composition of biochars extracted from field trials or after co-composting using advanced analytical electron microscopy. Geoderma, 2017, 294, 70-79.	5.1	84
60	Chemolithotrophic processes in the bacterial communities on the surface of mineral-enriched biochars. ISME Journal, 2017, 11, 1087-1101.	9.8	121
61	Electrodeposition Mechanism of Cathodically-Prepared Manganese dioxide Thin Films from Permanganate for use in Electrochemical Capacitors. Electrochimica Acta, 2017, 236, 198-211.	5.2	10
62	Pyrolysis of attapulgite clay blended with yak dung enhances pasture growth and soil health: Characterization and initial field trials. Science of the Total Environment, 2017, 607-608, 184-194.	8.0	36
63	A step potential electrochemical spectroscopy (SPECS) investigation of anodically electrodeposited thin films of manganese dioxide. Journal of Power Sources, 2017, 359, 520-528.	7.8	27
64	Thermal stability of biochar and its effects on cadmium sorption capacity. Bioresource Technology, 2017, 246, 48-56.	9.6	69
65	Charge storage mechanisms in electrochemical capacitors: Effects of electrode properties on performance. Journal of Power Sources, 2016, 326, 613-623.	7.8	57
66	Preparation and Binding Evaluation of Histamine-Imprinted Microspheres via Conventional Thermal and RAFT-Mediated Free-Radical Polymerization. ACS Omega, 2016, 1, 518-531.	3.5	6
67	Mineralâ€“Biochar Composites: Molecular Structure and Porosity. Environmental Science & Technology, 2016, 50, 7706-7714.	10.0	148
68	Molecular structures driving pseudo-capacitance in hydrothermal nanostructured carbons. RSC Advances, 2016, 6, 12964-12976.	3.6	28
69	Dynamic Electrodeposition of Manganese Dioxide: Temporal Variation in the Electrodeposition Mechanism. Journal of the Electrochemical Society, 2016, 163, H305-H312.	2.9	32
70	Electrolytic Manganese Dioxide Structural and Morphological Effects on Capacitive Performance. Electrochimica Acta, 2016, 191, 479-490.	5.2	24
71	Faradaic and Non-Faradaic Contributions to the Power and Energy Characteristics of Electrolytic Manganese Dioxide for Electrochemical Capacitors. Journal of the Electrochemical Society, 2016, 163, A888-A897.	2.9	28
72	The Electrochemical Properties of Biochars and How They Affect Soil Redox Properties and Processes. Agronomy, 2015, 5, 322-340.	3.0	122

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73	The Initial Study of Polyaniline with Manganese Oxides for Electrochemical Capacitors. Procedia Chemistry, 2015, 16, 540-547.	0.7	3
74	Separating the Faradaic and Non-Faradaic Contributions to the Total Capacitance for Different Manganese Dioxide Phases. Journal of the Electrochemical Society, 2015, 162, A5096-A5105.	2.9	49
75	The effect of coal type and pyrolysis temperature on the electrochemical activity of coal at a solid carbon anode in molten carbonate media. Journal of Power Sources, 2015, 279, 384-393.	7.8	18
76	Mesoscale Morphological Control of Electrodeposited Manganese Dioxide Films. Electrochimica Acta, 2015, 170, 343-352.	5.2	7
77	Thermal Investigation of a Doped Alkali-Metal Carbonate Ternary Eutectic for Direct Carbon Fuel Cell Applications. Energy & Fuels, 2015, 29, 5423-5433.	5.1	14
78	Carbonate Reduction and the Properties and Applications of Carbon Formed Through Electrochemical Deposition in Molten Carbonates: A Review. Electrochimica Acta, 2015, 176, 1511-1521.	5.2	21
79	In-Situ Investigation of the Electrodeposition of Manganese Dioxide Using Small Angle X-Ray Scattering. Journal of the Electrochemical Society, 2015, 162, A1809-A1815.	2.9	3
80	A Step Potential Electrochemical Spectroscopy Analysis of Electrochemical Capacitor Electrode Performance. Electrochimica Acta, 2015, 167, 268-277.	5.2	59
81	Using in situ synchrotron x-ray diffraction to study lithium- and sodium-ion batteries: A case study with an unconventional battery electrode (Gd₂TiO₅). Journal of Materials Research, 2015, 30, 381-389.	2.6	12
82	Separating Faradaic and Non-Faradaic Charge Storage Contributions in Activated Carbon Electrochemical Capacitors Using Electrochemical Methods. Journal of the Electrochemical Society, 2015, 162, A1246-A1254.	2.9	47
83	Feeding Biochar to Cows: An Innovative Solution for Improving Soil Fertility and Farm Productivity. Pedosphere, 2015, 25, 666-679.	4.0	74
84	Developing More Effective Enhanced Biochar Fertilisers for Improvement of Pepper Yield and Quality. Pedosphere, 2015, 25, 703-712.	4.0	58
85	Effects of Enriched Biochars Containing Magnetic Iron Nanoparticles on Mycorrhizal Colonisation, Plant Growth, Nutrient Uptake and Soil Quality Improvement. Pedosphere, 2015, 25, 749-760.	4.0	96
86	Large Amplitude Electrochemical Impedance Spectroscopy for Characterizing the Performance of Electrochemical Capacitors. Journal of the Electrochemical Society, 2014, 161, A648-A656.	2.9	16
87	Mechanistic and structural investigation of LixMnO2 cathodes during cycling in Li-ion batteries. Electrochimica Acta, 2014, 137, 736-743.	5.2	4
88	Electrode Additives and the Rechargeability of the Alkaline Manganese Dioxide Cathode. Journal of the Electrochemical Society, 2014, 161, A403-A409.	2.9	3
89	Discharge mechanism of the heat treated electrolytic manganese dioxide cathode in a primary Li/MnO2 battery: An in-situ and ex-situ synchrotron X-ray diffraction study. Journal of Power Sources, 2014, 258, 155-163.	7.8	18
90	Kinetic Analysis of the Anodic Carbon Oxidation Mechanism in a Molten Carbonate Medium. Electrochimica Acta, 2014, 129, 389-395.	5.2	11

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91	Kinetics of the Thermally-Induced Structural Rearrangement of Î³-MnO₂. Journal of Physical Chemistry C, 2014, 118, 24257-24265.	3.1	14
92	Electrochemical aspects of the Hybrid Sulfur Cycle for large scale hydrogen production. International Journal of Hydrogen Energy, 2014, 39, 11376-11389.	7.1	37
93	Mn-modified polypyrrole thin films for supercapacitor electrodes. Synthetic Metals, 2014, 196, 8-19.	3.9	5
94	Nitrogen Doping of Hydrochars Produced Hydrothermal Treatment of Sucrose in H₂O, H₂SO₄, and NaOH. ACS Sustainable Chemistry and Engineering, 2014, 2, 755-764.	6.7	78
95	A three-year experiment confirms continuous immobilization of cadmium and lead in contaminated paddy field with biochar amendment. Journal of Hazardous Materials, 2014, 272, 121-128.	12.4	482
96	Influence of selected coal contaminants on graphitic carbon electro-oxidation for application to the direct carbon fuel cell. Journal of Power Sources, 2014, 260, 140-149.	7.8	35
97	Nucleation and Growth of Electrodeposited Manganese Dioxide for Electrochemical Capacitors. Electrochimica Acta, 2014, 120, 219-225.	5.2	52
98	Optimising heat treatment environment and atmosphere of electrolytic manganese dioxide for primary Li/MnO 2 batteries. Journal of Power Sources, 2014, 247, 852-857.	7.8	27
99	Shifting paradigms: development of high-efficiency biochar fertilizers based on nano-structures and soluble components. Carbon Management, 2013, 4, 323-343.	2.4	310
100	Heat treated electrolytic manganese dioxide for primary Li/MnO2 batteries: Effect of manganese dioxide properties on electrochemical performance. Electrochimica Acta, 2013, 105, 305-313.	5.2	19
101	Tuning the electrochemistry of homoleptic cobalt 4,4â€²-disubstituted-2,2â€²-bipyridine redox mediators. Electrochimica Acta, 2013, 108, 690-697.	5.2	6
102	Active mass analysis on thin films of electrodeposited manganese dioxide for electrochemical capacitors. Electrochimica Acta, 2013, 87, 133-139.	5.2	23
103	Mass Transport Properties of Manganese Dioxide Phases for Use in Electrochemical Capacitors: Structural Effects on Solid State Diffusion. Journal of the Electrochemical Society, 2013, 160, A1219-A1231.	2.9	18
104	Electrochemically active surface area effects on the performance of manganese dioxide for electrochemical capacitor applications. Electrochimica Acta, 2013, 104, 140-147.	5.2	53
105	Optimizing Li/MnO2 batteries: Relating manganese dioxide properties and electrochemical performance. Journal of Power Sources, 2013, 221, 261-265.	7.8	21
106	Preparation and Electrochemical Performance of Li_xMnO₂Materials by a Reduction and Lithiation Method. Journal of the Electrochemical Society, 2013, 160, A1358-A1363.	2.9	2
107	Thermal expansion of manganese dioxide using high-temperaturein situX-ray diffraction. Journal of Applied Crystallography, 2013, 46, 1283-1288.	4.5	9
108	Electrochemical Characterization of Proton Diffusion during Discharge and Cycling of Î³-MnO2. Journal of the Electrochemical Society, 2013, 160, A2070-A2077.	2.9	4

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109	Elucidation of the Discharge Mechanism of CuO Cathode Material in Alkaline Electrolyte. Journal of the Electrochemical Society, 2013, 160, A703-A708.	2.9	9
110	Thermal Lithiation of Manganese Dioxide: Effect of Low Lithium Concentration (x â‰ 0.3 in) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 T Electrochemical Society, 2012, 159, A904-A908.	2.9	8
111	Detection of Soluble Mn(III) Species during Cycling of Alkaline Î³-MnO₂and the Influence of Barium Hydroxide Inclusion. Journal of the Electrochemical Society, 2012, 159, A2010-A2015.	2.9	8
112	The Effect of Barium Hydroxide on the Rechargeable Performance of Alkaline Î³-MnO₂. Journal of the Electrochemical Society, 2012, 159, A999-A1004.	2.9	25
113	Electrochemical Oxidation of Aqueous Sulfur Dioxide II. Comparative Studies on Platinum and Gold Electrodes. Journal of the Electrochemical Society, 2012, 159, F585-F593.	2.9	36
114	Characterisation of chemically lithiated heat-treated electrolytic manganese dioxide. Materials Research Bulletin, 2012, 47, 1827-1834.	5.2	17
115	Chronoamperometric Versus Galvanostatic Preparation of Manganese Oxides for Electrochemical Capacitors. Journal of the Electrochemical Society, 2011, 158, A1160.	2.9	19
116	Manganese dioxide structural effects on its thermal decomposition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1169-1177.	3.5	42
117	Kinetic analysis of Î³-MnO2 thermal treatment. Journal of Thermal Analysis and Calorimetry, 2011, 105, 113-122.	3.6	17
118	Potassium accumulation between type I hair cells and calyx terminals in mouse crista. Experimental Brain Research, 2011, 210, 607-621.	1.5	88
119	Discharge performance of a primary alkaline CuO cathode material prepared via a novel non-aqueous precipitation method. Electrochimica Acta, 2011, 56, 4996-5002.	5.2	9
120	Observed electrochemical oscillations during the oxidation of aqueous sulfur dioxide on a sulfur modified platinum electrode. Electrochimica Acta, 2011, 56, 4224-4230.	5.2	23
121	Structural effects on the cyclability of the alkaline Î³-MnO2 electrode. Electrochimica Acta, 2011, 56, 5037-5045.	5.2	24
122	Utilization of hydrogen in electroflotation of silica. Advanced Powder Technology, 2011, 22, 482-492.	4.1	20
123	Enhanced manganese dioxide supercapacitor electrodes produced by electrodeposition. Journal of Power Sources, 2011, 196, 7847-7853.	7.8	93
124	Role of Titanium Dioxide in Enhancing the Performance of the Alkaline Manganese Dioxide Cathode. Journal of the Electrochemical Society, 2011, 159, A158-A165.	2.9	10
125	Thermal Treatment Effects on Manganese Dioxide Structure, Morphology and Electrochemical Performance. Journal of the Electrochemical Society, 2011, 158, A905.	2.9	17
126	Heat Treated Electrolytic Manganese Dioxide for Li/MnO2 Batteries: Effect of Precursor Properties. Journal of the Electrochemical Society, 2011, 158, A1036.	2.9	15

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127	Electrochemical Impedance Spectroscopy Study into the Effect of Titanium Dioxide Added to the Alkaline Manganese Dioxide Cathode. Journal of the Electrochemical Society, 2011, 158, A802.	2.9	25
128	Cycle stability of birnessite manganese dioxide for electrochemical capacitors. Electrochimica Acta, 2010, 55, 7470-7478.	5.2	37
129	Bubble size measurement in electroflotation. Minerals Engineering, 2010, 23, 1058-1065.	4.3	58
130	Hydrogen bubble flotation of silica. Advanced Powder Technology, 2010, 21, 412-418.	4.1	43
131	Structure, morphology and electrochemical behaviour of manganese oxides prepared by controlled decomposition of permanganate. Journal of Power Sources, 2010, 195, 367-373.	7.8	62
132	Cycling and rate performance of Liâ€“LiFePO4 cells in mixed FSIâ€“TFSI room temperature ionic liquids. Journal of Power Sources, 2010, 195, 2029-2035.	7.8	49
133	The electrochemical oxidation of aqueous sulfur dioxide: A critical review of work with respect to the hybrid sulfur cycle. Electrochimica Acta, 2010, 55, 573-591.	5.2	111
134	The Electrochemical Oxidation of Aqueous Sulfur Dioxide. Journal of the Electrochemical Society, 2010, 157, F111.	2.9	18
135	Microwave induced MIP synthesis: comparative analysis of thermal and microwave induced polymerisation of caffeine imprinted polymers. New Journal of Chemistry, 2010, 34, 686.	2.8	43
136	The Spermostatic and Microbicidal Actions of Quinones and Maleimides: Toward a Dual-Purpose Contraceptive Agent. Molecular Pharmacology, 2009, 76, 113-124.	2.3	30
137	Kinetics of Mn2O3 digestion in H2SO4 solutions. Journal of Solid State Chemistry, 2009, 182, 1336-1342.	2.9	17
138	Activity of perovskite La1â^'xSrxMnO3 catalysts towards oxygen reduction in alkaline electrolytes. Journal of Power Sources, 2009, 188, 359-366.	7.8	105
139	Surface characterisation of chemically reduced electrolytic manganese dioxide. Journal of Colloid and Interface Science, 2008, 320, 210-218.	9.4	13
140	Investigation on capacity fading of aqueous MnO2Â·nH2O electrochemical capacitor. Journal of Power Sources, 2008, 177, 660-664.	7.8	106
141	Characterization of solid electrode materials using chronoamperometry: A study of the alkaline Î³-MnO2 electrode. Journal of Power Sources, 2008, 179, 371-380.	7.8	8
142	Chronoamperometric characterization of manganese dioxide discharge in alkaline electrolytes. Journal of Electroanalytical Chemistry, 2008, 621, 83-90.	3.8	6
143	Electrochemical and morphological characterization of electrodeposited poly(2,2â€²:5â€²,2â€³-terthiophene) for photovoltaic applications. Synthetic Metals, 2008, 158, 661-669.	3.9	13
144	Porosity Changes during Reduction of Î³-MnO[sub 2] for Aqueous Alkaline Applications. Journal of the Electrochemical Society, 2008, 155, A817.	2.9	13

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145	Examining Manganese Dioxide. Journal of the Electrochemical Society, 2007, 154, A776.	2.9	10
146	An electrochemical quartz crystal microbalance study into the deposition of manganese dioxide. Electrochimica Acta, 2007, 52, 4630-4639.	5.2	29
147	Microporosity of heat-treated manganese dioxide. Journal of Power Sources, 2007, 165, 581-590.	7.8	27
148	Discharge rate capabilities of alkaline AgCuO2 electrode. Journal of Power Sources, 2007, 172, 962-969.	7.8	11
149	Role of graphite in self-discharge of nickel(III) oxyhydroxide. Journal of Power Sources, 2007, 174, 186-190.	7.8	13
150	Electrochemical behaviour of titanium in H2SO4â€“MnSO4 electrolytes. Electrochimica Acta, 2006, 51, 3338-3345.	5.2	40
151	An RDE and RRDE study into the electrodeposition of manganese dioxide. Electrochimica Acta, 2006, 51, 5773-5784.	5.2	104
152	Study on Manganese Dioxide Discharge Using Electrochemical Impedance Spectroscopy. Journal of the Electrochemical Society, 2006, 153, A1332.	2.9	19
153	Hydrothermal MnO2: synthesis, structure, morphology and discharge performance. Journal of Power Sources, 2005, 139, 325-341.	7.8	93
154	Surface characterization of heat-treated electrolytic manganese dioxide. Journal of Colloid and Interface Science, 2005, 285, 653-664.	9.4	49
155	Electrochemical kinetic behaviour of the aqueous manganese dioxide electrode. Journal of Applied Electrochemistry, 2005, 35, 437-443.	2.9	16
156	Proton diffusion in Î³-manganese dioxide. Journal of Applied Electrochemistry, 2005, 35, 871-878.	2.9	22
157	Electrochemical impedance spectroscopy of the alkaline manganese dioxide electrode. Journal of Applied Electrochemistry, 2004, 34, 159-168.	2.9	14
158	Application of Combinatorial Methodologies to the Synthesis and Characterization of Electrolytic Manganese Dioxide. Journal of Applied Electrochemistry, 2004, 34, 643-651.	2.9	17
159	Transmission Line Modeling of the Manganese Dioxide Electrode in Concentrated KOH Electrolytes. Journal of Applied Electrochemistry, 2004, 34, 477-486.	2.9	12
160	Water and protons in electrodeposited MnO2 (EMD). Solid State Ionics, 2002, 152-153, 695-701.	2.7	10
161	Redox Processes at the Manganese Dioxide Electrode: II. Slowâ€Scan Cyclic Voltammetry. Journal of the Electrochemical Society, 1997, 144, 2954-2961.	2.9	68
162	Redox Processes at the Manganese Dioxide Electrode: III. Detection of Soluble and Solid Intermediates during Reduction. Journal of the Electrochemical Society, 1997, 144, 2961-2967.	2.9	61

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163	Redox Processes at the Manganese Dioxide Electrode: I. Constantâ€Current Intermittent Discharge. Journal of the Electrochemical Society, 1997, 144, 2949-2953.	2.9	55
164	The chemostat: A novel approach to the synthesis of manganese dioxide. Materials Research Bulletin, 1995, 30, 859-869.	5.2	10