Graeme A Snook

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/490525/publications.pdf

Version: 2024-02-01

47 papers	4,936 citations	361413 20 h-index	233421 45 g-index
51 all docs	51 docs citations	51 times ranked	6930 citing authors

#	Article	IF	Citations
1	Conducting-polymer-based supercapacitor devices and electrodes. Journal of Power Sources, 2011, 196, 1-12.	7.8	3,182
2	Redox deposition of manganese oxide on graphite for supercapacitors. Electrochemistry Communications, 2004, 6, 499-504.	4.7	193
3	Storing energy in plastics: a review on conducting polymers & their role in electrochemical energy storage. RSC Advances, 2015, 5, 11611-11626.	3.6	192
4	Electrochemical fabrication and capacitance of composite films of carbon nanotubes and polyaniline. Journal of Materials Chemistry, 2005, 15, 2297.	6.7	167
5	Achieving high electrode specific capacitance with materials of low mass specific capacitance: Potentiostatically grown thick micro-nanoporous PEDOT films. Electrochemistry Communications, 2007, 9, 83-88.	4.7	152
6	Evaluation of a Agâˆ£Ag+ reference electrode for use in room temperature ionic liquids. Electrochemistry Communications, 2006, 8, 1405-1411.	4.7	132
7	Use of the Ferrocene Oxidation Process To Provide Both Reference Electrode Potential Calibration and a Simple Measurement (via Semiintegration) of the Uncompensated Resistance in Cyclic Voltammetric Studies in High-Resistance Organic Solvents. Analytical Chemistry, 2000, 72, 3492-3496.	6.5	94
8	The measurement of specific capacitances of conducting polymers using the quartz crystal microbalance. Journal of Electroanalytical Chemistry, 2008, 612, 140-146.	3.8	94
9	Carbon nanotube stabilised emulsions for electrochemical synthesis of porous nanocomposite coatings of poly[3,4-ethylene-dioxythiophene]. Chemical Communications, 2006, , 4629.	4.1	86
10	Studies of deposition of and charge storage in polypyrroleâ€“chloride and polypyrroleâ€“carbon nanotube composites with an electrochemical quartz crystal microbalance. Journal of Electroanalytical Chemistry, 2004, 568, 135-142.	3.8	76
11	Evaluation of the effects of oxygen evolution on the capacity and cycle life of nickel hydroxide electrode materials. Journal of Power Sources, 2007, 168, 513-521.	7.8	49
12	Mathematical functions for optimisation of conducting polymer/activated carbon asymmetric supercapacitors. Journal of Power Sources, 2009, 186, 216-223.	7.8	43
13	The use of massograms and voltammograms for distinguishing five basic combinations of charge transfer and mass transfer at electrode surfaces. Journal of Electroanalytical Chemistry, 2002, 526, 1-9.	3.8	41
14	A comparative study of the electrodeposition of polyaniline from a protic ionic liquid, an aprotic ionic liquid and neutral aqueous solution using anilinium nitrate. Journal of Materials Chemistry, 2011, 21, 7622.	6.7	38
15	Co-deposition of conducting polymers in a room temperature ionic liquid. Journal of Materials Chemistry, 2009, 19, 4248.	6.7	36
16	Re-evaluation of experimental measurements for the validation of electronic band structure calculations for LiFePO₄ and FePO₄. RSC Advances, 2019, 9, 1134-1146.	3.6	33
17	Systematic Studies of 17-Electron Rhenium(II) Carbonyl Phosphine Complexes. Organometallics, 1998, 17, 2977-2985.	2.3	29
18	Rapid SECM probing of dissolution of LiCoO2 battery materials in an ionic liquid. Journal of Electroanalytical Chemistry, 2012, 687, 30-34.	3.8	29

#	Article	IF	Citations
19	Detection of Oxygen Evolution from Nickel Hydroxide Electrodes Using Scanning Electrochemical Microscopy. Journal of the Electrochemical Society, 2008, 155, A262.	2.9	28
20	Observation of Preferential Cation Doping on the Surface of LiFePO₄ Particles and Its Effect on Properties. ACS Applied Energy Materials, 2020, 3, 9158-9167.	5.1	28
21	Electropolymerisation of Catalytically Active PEDOT from an Ionic Liquid on a Flexible Carbon Cloth Using a Sandwich Cell Configuration. ChemPlusChem, 2015, 80, 74-82.	2.8	19
22	High-throughput approach for the identification of anilinium-based ionic liquids that are suitable for electropolymerisation. Physical Chemistry Chemical Physics, 2015, 17, 17967-17972.	2.8	17
23	Role of H+ in Polypyrrole and Poly(3,4-ethylenedioxythiophene) Formation Using FeCl3Â·6H2O in the Room Temperature Ionic Liquid, C4mpyrTFSI. Australian Journal of Chemistry, 2012, 65, 1513.	0.9	16
24	Development of a niobium-doped titania inert anode for titanium electrowinning in molten chloride salts. Faraday Discussions, 2016, 190, 35-52.	3.2	13
25	Voltammetric Oxidation of Solution and Solid Phases of Salts of [V(CO)6]-in Aqueous (Electrolyte) Media. Journal of Physical Chemistry B, 1998, 102, 1229-1234.	2.6	12
26	Spectroscopic Evidence of Surface Li-Depletion of Lithium Transition-Metal Phosphates. ACS Applied Energy Materials, 2020, 3, 2856-2866.	5.1	12
27	Nanoscale characteristics of practical LiFePO4 materials - Effects on electrical, magnetic and electrochemical properties. Materials Characterization, 2020, 162, 110171.	4.4	12
28	Improving the Rate Capability of LiFePO₄ Electrode by Controlling Particle Size Distribution. Journal of the Electrochemical Society, 2019, 166, A4128-A4135.	2.9	11
29	The catalysis of solid state intercalation processes by organic solvents. Journal of Electroanalytical Chemistry, 2003, 554-555, 157-165.	3.8	10
30	Quantification of passivation layer growth in inert anodes for molten salt electrochemistry byin situenergy-dispersive diffraction. Journal of Applied Crystallography, 2012, 45, 28-37.	4.5	10
31	Electrochemical Tailoring of Fibrous Polyaniline and Electroless Decoration with Gold and Platinum Nanoparticles. Langmuir, 2016, 32, 8834-8842.	3.5	10
32	Fast Fourier Transform Current Pulse method for dynamic measurements of cell ohmic resistance during electrolysis. Electrochimica Acta, 2009, 54, 4925-4932.	5.2	8
33	A furnace and environmental cell for thein situinvestigation of molten salt electrolysis using high-energy X-ray diffraction. Journal of Synchrotron Radiation, 2012, 19, 39-47.	2.4	8
34	Current pulse method for in situ measurement of electrochemical capacitance. Journal of Electroanalytical Chemistry, 2008, 622, 225-232.	3.8	7
35	Current pulse measurement of capacitance during molten salt electrochemical experiments. Journal of Solid State Electrochemistry, 2009, 13, 591-598.	2.5	7
36	Fabrication and performance of electrochemically grafted thiophene silicon nanoparticle anodes for Li-ion batteries. Journal of Power Sources, 2016, 324, 97-105.	7.8	6

#	Article	IF	Citations
37	Reference Electrodes for Ionic Liquids and Molten Salts. , 2013, , 189-227.		5
38	Effects of Nanoscale Surface Lithium Depletion on the Optical Properties and Electronic Band Structures of Lithium Transition-Metal Phosphates. Journal of Physical Chemistry C, 2020, 124, 19969-19979.	3.1	5
39	Charge Transport Dynamics and Redox Induced Structural Changes within Solid Deposits of a Ruthenium Dimer. Langmuir, 2002, 18, 9874-9881.	3.5	4
40	Increasing Cycle Life of Nickel Hydroxide Electrodes at High Currents. ECS Transactions, 2006, 2, 105-116.	0.5	4
41	Application of Current-Pulse Techniques to Analysis of Anode Gas Film Behavior in a Hall-Heroult Cell. ECS Transactions, 2010, 28, 349-360.	0.5	4
42	Understanding the Anode Porosity as a Means for Improved Aluminium Smelting. Minerals, Metals and Materials Series, 2018, , 1235-1242.	0.4	4
43	Anode characterisation and gas diffusion behaviour in aluminium smelting. AIP Conference Proceedings, 2017, , .	0.4	3
44	In situ freezing point determination of cryolite baths utilising resistometer measurements. Journal of Solid State Electrochemistry, 2014, 18, 3339-3344.	2.5	1
45	Diffusion and Flow of CO2 in Carbon Anode for Aluminium Smelting. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2019, 50, 846-856.	2.1	1
46	Electropolymerisation of N-Ethylanilinium Trifluoroacetate Ionic Liquid into Poly(N-Ethylaniline) and Control of its Morphology. Australian Journal of Chemistry, 2017, 70, 985.	0.9	1
47	Diffusion Measurements of CO2 Within Carbon Anodes for Aluminium Smelting. Minerals, Metals and Materials Series, 2020, , 1183-1188.	0.4	0