Jusef Hassoun

List of Publications by Year in descending order

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185 papers	18,558 citations	16437 64 h-index	12258 133 g-index
194 all docs	194 docs citations	194 times ranked	15053 citing authors

#	Article	IF	Citations
1	Characteristics of a gold-doped electrode for application in high-performance lithium-sulfur battery. Journal of Energy Chemistry, 2022, 64, 116-128.	7.1	21
2	Glyme-based electrolytes: suitable solutions for next-generation lithium batteries. Green Chemistry, 2022, 24, 1021-1048.	4.6	28
3	Synthesis and Characterization of a LiFe_{0.6}Mn_{0.4}PO₄ Olivine Cathode for Application in a New Lithium Polymer Battery. Advanced Sustainable Systems, 2022, 6, .	2.7	10
4	Enhanced Performance of Allâ€Solidâ€State Li Metal Battery Based on Polyether Electrolytes with LiNO₃ Additive. Macromolecular Chemistry and Physics, 2022, 223, .	1.1	4
5	Scalable Composites Benefiting from Transitionâ€Metal Oxides as Cathode Materials for Efficient Lithiumâ€Sulfur Batteries. ChemElectroChem, 2022, 9, .	1.7	14
6	A High-Voltage, Multi-Metal LiNi_{0.35}Cu_{0.1}Mn_{1.45}Fe_{0.1}O₄ Spinel Cathode for Lithium Batteries. Journal of the Electrochemical Society, 2021, 168, 030537.	1.3	3
7	Lithiumâ€“Metal Batteries Using Sustainable Electrolyte Media and Various Cathode Chemistries. Energy & Fuels, 2021, 35, 10284-10292.	2.5	7
8	Synthesis of a High-Capacity Î±-Fe₂O₃@C Conversion Anode and a High-Voltage LiNi_{0.5}Mn_{1.5}O₄ Spinel Cathode and Their Combination in a Li-Ion Battery. ACS Applied Energy Materials, 2021, 4, 8340-8349.	2.5	13
9	A Stable Highâ€Capacity Lithiumâ€Ion Battery Using a Biomassâ€Derived Sulfurâ€Carbon Cathode and Lithiated Silicon Anode. ChemSusChem, 2021, 14, 3333-3343.	3.6	16
10	Degradation of Layered Oxide Cathode in a Sodium Battery: A Detailed Investigation by Xâ€Ray Tomography at the Nanoscale. Small Methods, 2021, 5, e2100596.	4.6	9
11	Novel Lithiumâ€Sulfur Polymer Battery Operating at Moderate Temperature. ChemElectroChem, 2021, 8, 3971-3981.	1.7	10
12	An alternative composite polymer electrolyte for high performances lithium battery. Journal of Power Sources, 2020, 449, 227508.	4.0	28
13	Investigation of Mn and Fe Substitution Effects on the Characteristics of High-Voltage LiCo_{1â€“x}M_xPO₄ (x = 0.1, 0.4) Cathodes Prepared by Solâ€“gel Route. ACS Sustainable Chemistry and Engineering, 2020, 8, 278-289.	3.2	15
14	Current status and future perspectives of lithium metal batteries. Journal of Power Sources, 2020, 480, 228803.	4.0	109
15	The role of synthesis pathway on the microstructural characteristics of sulfur-carbon composites: X-ray imaging and electrochemistry in lithium battery. Journal of Power Sources, 2020, 472, 228424.	4.0	26
16	Lithiumâ€“Oxygen Battery Exploiting Highly Concentrated Glyme-Based Electrolytes. ACS Applied Energy Materials, 2020, 3, 12263-12275.	2.5	22
17	Porous Cr2O3@C composite derived from metal organic framework in efficient semi-liquid lithium-sulfur battery. Materials Chemistry and Physics, 2020, 255, 123484.	2.0	19
18	Towards a Highâ€Performance Lithiumâ€Metal Battery with Glyme Solution and an Olivine Cathode. ChemElectroChem, 2020, 7, 2344-2344.	1.7	5

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19	Investigating high-performance sulfurâ€“metal nanocomposites for lithium batteries. Sustainable Energy and Fuels, 2020, 4, 2907-2923.	2.5	22
20	Towards a Highâ€Performance Lithiumâ€Metal Battery with Glyme Solution and an Olivine Cathode. ChemElectroChem, 2020, 7, 2376-2388.	1.7	11
21	Electrochemical behavior of nanostructured NiO@C anode in a lithium-ion battery using LiNiâ…“Coâ…“Mnâ…“O2 cathode. Journal of Alloys and Compounds, 2020, 844, 155365.	2.8	13
22	Alternative lithium-ion battery using biomass-derived carbons as environmentally sustainable anode. Journal of Colloid and Interface Science, 2020, 573, 396-408.	5.0	67
23	A single layer of Fe₃O₄@TiO₂ submicron spheres as a high-performance electrode for lithium-ion microbatteries. Sustainable Energy and Fuels, 2019, 3, 2675-2687.	2.5	6
24	Triglyme-based electrolyte for sodium-ion and sodium-sulfur batteries. Ionics, 2019, 25, 3129-3141.	1.2	20
25	Xâ€ray Nanoâ€computed Tomography of Electrochemical Conversion in Lithiumâ€ion Battery. ChemSusChem, 2019, 12, 3550-3561.	3.6	14
26	Glyme-based electrolytes for lithium metal batteries using insertion electrodes: An electrochemical study. Electrochimica Acta, 2019, 306, 85-95.	2.6	14
27	Sulfur Loaded by Nanometric Tin as a New Electrode for Highâ€Performance Lithium/Sulfur Batteries. Energy Technology, 2019, 7, 1900081.	1.8	18
28	Physical activation of graphene: An effective, simple and clean procedure for obtaining microporous graphene for high-performance Li/S batteries. Nano Research, 2019, 12, 759-766.	5.8	38
29	High capacity semi-liquid lithium sulfur cells with enhanced reversibility for application in new-generation energy storage systems. Journal of Power Sources, 2019, 412, 575-585.	4.0	23
30	A novel polymer electrolyte membrane for application in solid state lithium metal battery. Solid State Ionics, 2018, 317, 97-102.	1.3	22
31	A Lithiumâ€Ion Battery using a 3â€‰Dâ€Array Nanostructured Grapheneâ€“Sulfur Cathode and a Silicon Oxideâ€Based Anode. ChemSusChem, 2018, 11, 1512-1520.	3.6	46
32	Frontispiece: New Electrode and Electrolyte Configurations for Lithiumâ€Oxygen Battery. Chemistry - A European Journal, 2018, 24, .	1.7	0
33	Enhanced Lithium Oxygen Battery Using a Glyme Electrolyte and Carbon Nanotubes. ACS Applied Materials & Interfaces, 2018, 10, 16367-16375.	4.0	21
34	A simple approach for making a viable, safe, and high-performances lithium-sulfur battery. Journal of Power Sources, 2018, 377, 26-35.	4.0	67
35	Multiwalled Carbon Nanotubes Anode in Lithium-Ion Battery with LiCoO₂, Li[Ni_{1/3}Co_{1/3}Mn_{1/3}]O₂, and LiFe_{1/4}Mn_{1/2}Co_{1/4}PO₄ Cathodes. ACS Sustainable Chemistry and Engineering, 2018, 6, 3225-3232.	3.2	47
36	Lowâ€Polarization Lithiumâ€“Oxygen Battery Using [DEME][TFSI] Ionic Liquid Electrolyte. ChemSusChem, 2018, 11, 229-236.	3.6	35

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37	New Electrode and Electrolyte Configurations for Lithiumâ€Oxygen Battery. Chemistry - A European Journal, 2018, 24, 3178-3185.	1.7	12
38	Insight on the Enhanced Reversibility of a Multimetal Layered Oxide for Sodium-Ion Battery. Journal of Physical Chemistry C, 2018, 122, 23925-23933.	1.5	21
39	The Role of Current Collector in Enabling the High Performance of Li/S Battery. ChemistrySelect, 2018, 3, 10371-10377.	0.7	22
40	Lithium Metal Battery Using LiFe_{0.5}Mn_{0.5}PO₄ Olivine Cathode and Pyrrolidinium-Based Ionic Liquid Electrolyte. ACS Omega, 2018, 3, 8583-8588.	1.6	13
41	Lithium sulfur battery exploiting material design and electrolyte chemistry: 3D graphene framework and diglyme solution. Journal of Power Sources, 2018, 397, 102-112.	4.0	37
42	A New CuOâ€Fe₂O₃â€Mesocarbon Microbeads Conversion Anode in a Highâ€Performance Lithiumâ€Ion Battery with a Li_{1.35}Ni_{0.48}Fe_{0.1}Mn_{1.72}O₄ Spinel Cathode. ChemSusChem, 2017, 10, 1607-1615.	3.6	30
43	Toward high energy density cathode materials for sodium-ion batteries: investigating the beneficial effect of aluminum doping on the P2-type structure. Journal of Materials Chemistry A, 2017, 5, 4467-4477.	5.2	108
44	Lithium sulfur and lithium oxygen batteries: new frontiers of sustainable energy storage. Sustainable Energy and Fuels, 2017, 1, 228-247.	2.5	66
45	Characteristics of glyme electrolytes for sodium battery: nuclear magnetic resonance and electrochemical study. Electrochimica Acta, 2017, 231, 223-229.	2.6	39
46	Relevant Features of a Triethylene Glycol Dimethyl Ether-Based Electrolyte for Application in Lithium Battery. ACS Applied Materials & Interfaces, 2017, 9, 17085-17095.	4.0	24
47	Nanostructured Na-ion and Li-ion anodes for battery application: A comparative overview. Nano Research, 2017, 10, 3942-3969.	5.8	88
48	Graphene Decorated by Indium Sulfide Nanoparticles as High-Performance Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 23723-23730.	4.0	48
49	Lithium-ion batteries for sustainable energy storage: recent advances towards new cell configurations. Green Chemistry, 2017, 19, 3442-3467.	4.6	205
50	A SiO_xâ€Based Anode in a Highâ€Voltage Lithiumâ€Ion Battery. ChemElectroChem, 2017, 4, 2164-2168.	1.7	28
51	Carbon Composites for a Highâ€Energy Lithiumâ€“Sulfur Battey with a Glymeâ€Based Electrolyte. ChemElectroChem, 2017, 4, 209-215.	1.7	26
52	Electrochemical features of LiMnPO4 olivine prepared by sol-gel pathway. Journal of Alloys and Compounds, 2017, 693, 730-737.	2.8	42
53	Frontispiece: A Longâ€Life Lithium Ion Battery with Enhanced Electrode/Electrolyte Interface by Using an Ionic Liquid Solution. Chemistry - A European Journal, 2016, 22, .	1.7	0
54	A Longâ€Life Lithium Ion Battery with Enhanced Electrode/Electrolyte Interface by Using an Ionic Liquid Solution. Chemistry - A European Journal, 2016, 22, 6808-6814.	1.7	49

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55	A High Voltage Olivine Cathode for Application in Lithiumâ€ion Batteries. ChemSusChem, 2016, 9, 223-230.	3.6	34
56	Lithium battery using sulfur infiltrated in three-dimensional flower-like hierarchical porous carbon electrode. Materials Chemistry and Physics, 2016, 180, 82-88.	2.0	23
57	Quaternary Polyethylene Oxide Electrolytes Containing Ionic Liquid for Lithium Polymer Battery. Journal of the Electrochemical Society, 2016, 163, A1175-A1180.	1.3	14
58	High Voltage Li-Ion Battery Using Exfoliated Graphite/Graphene Nanosheets Anode. ACS Applied Materials & Interfaces, 2016, 8, 10850-10857.	4.0	66
59	Investigation of the electrochemical features of carbon-coated TiO2 anode for application in lithium-ion battery using high voltage LiNi0.5Mn1.5O4 spinel cathode. Electrochimica Acta, 2016, 201, 158-164.	2.6	4
60	All solid-state battery using layered oxide cathode, lithium-carbon composite anode and thio-LISICON electrolyte. Solid State Ionics, 2016, 296, 13-17.	1.3	42
61	Natural Abundance Oxygen-17 NMR Investigation of Lithium Ion Solvation in Glyme-based Electrolytes. Electrochimica Acta, 2016, 213, 606-612.	2.6	26
62	Exceptional long-life performance of lithium-ion batteries using ionic liquid-based electrolytes. Energy and Environmental Science, 2016, 9, 3210-3220.	15.6	136
63	Rechargeable lithium battery using non-flammable electrolyte based on tetraethylene glycol dimethyl ether and olivine cathodes. Journal of Power Sources, 2016, 334, 146-153.	4.0	46
64	New lithium ion batteries exploiting conversion/alloying anode and LiFe 0.25 Mn 0.5 Co 0.25 PO 4 olivine cathode. Electrochimica Acta, 2016, 220, 384-390.	2.6	14
65	Electrochemical Study of a CuOâ€“Carbon Conversion Anode in Ionic Liquid Electrolyte for Application in Liâ€ion Batteries. Energy Technology, 2016, 4, 700-705.	1.8	10
66	Understanding problems of lithiated anodes in lithium oxygen full-cells. Journal of Materials Chemistry A, 2016, 4, 10467-10471.	5.2	23
67	A low-cost, high-energy polymer lithium-sulfur cell using a composite electrode and polyethylene oxide (PEO) electrolyte. Ionics, 2016, 22, 2341-2346.	1.2	11
68	Characterization of a reversible, low-polarization sodium-oxygen battery. Electrochimica Acta, 2016, 191, 516-520.	2.6	22
69	A gel polymer membrane for lithium-ion oxygen battery. Solid State Ionics, 2016, 287, 22-27.	1.3	24
70	A sodium-ion battery exploiting layered oxide cathode, graphite anode and glyme-based electrolyte. Journal of Power Sources, 2016, 310, 26-31.	4.0	144
71	Insight on the Li₂S electrochemical process in a composite configuration electrode. New Journal of Chemistry, 2016, 40, 2935-2943.	1.4	18
72	Characteristics of an ionic liquid electrolyte for sodium-ion batteries. Journal of Power Sources, 2016, 303, 203-207.	4.0	95

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73	High-power lithium polysulfide-carbon battery. Carbon, 2016, 96, 125-130.	5.4	22
74	A Polymer Lithium-Oxygen Battery. Scientific Reports, 2015, 5, 12307.	1.6	47
75	Highâ€Capacity NiOâ€“(Mesocarbon Microbeads) Conversion Anode for Lithiumâ€Ion Battery. ChemElectroChem, 2015, 2, 988-994.	1.7	33
76	An Advanced Lithiumâ€Ion Sulfur Battery for High Energy Storage. Advanced Energy Materials, 2015, 5, 1500481.	10.2	97
77	A rechargeable sodium-ion battery using a nanostructured Sbâ€“C anode and P2-type layered Na_{0.6}Ni_{0.22}Fe_{0.11}Mn_{0.66}O₂ cathode. RSC Advances, 2015, 5, 48928-48934.	1.7	59
78	Comparative Study of Ether-Based Electrolytes for Application in Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2015, 7, 13859-13865.	4.0	95
79	Transition metal oxide-carbon composites as conversion anodes for sodium-ion battery. Electrochimica Acta, 2015, 173, 613-618.	2.6	78
80	A lithium-ion oxygen battery using a polyethylene glyme electrolyte mixed with an ionic liquid. RSC Advances, 2015, 5, 21360-21365.	1.7	36
81	Electrochemical properties of a poly(ethylene carbonate)-LiTFSI electrolyte containing a pyrrolidinium-based ionic liquid. Ionics, 2015, 21, 895-900.	1.2	49
82	All Solid-State Lithiumâ€“Sulfur Battery Using a Glass-Type P₂S₅â€“Li₂S Electrolyte: Benefits on Anode Kinetics. Journal of the Electrochemical Society, 2015, 162, A646-A651.	1.3	203
83	A lithium-ion sulfur battery using a polymer, polysulfide-added membrane. Scientific Reports, 2015, 5, 7591.	1.6	54
84	A Comparative Study of Layered Transition Metal Oxide Cathodes for Application in Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2015, 7, 5206-5212.	4.0	162
85	Polysulfide-containing Glyme-based Electrolytes for Lithium Sulfur Battery. Chemistry of Materials, 2015, 27, 4604-4611.	3.2	105
86	A long-life lithium ion sulfur battery exploiting high performance electrodes. Chemical Communications, 2015, 51, 14540-14542.	2.2	37
87	Novel configuration of poly(vinylidenedifluoride)-based gel polymer electrolyte for application in lithium-ion batteries. Journal of Power Sources, 2015, 294, 180-186.	4.0	95
88	High surface area, mesoporous carbon for low-polarization, catalyst-free lithium oxygen battery. Solid State Ionics, 2015, 278, 133-137.	1.3	12
89	A Lithiumâ€Ion Battery based on an Ionic Liquid Electrolyte, Tinâ€“Carbon Nanostructured Anode, and Li₂Oâ€“ZrO₂â€Coated Li[Ni_{0.8}Co_{0.15}Al_{0.05}]O₂ Cathode. Energy Technology, 2015, 3, 632-637.	1.8	27
90	Characteristics of a Graphene Nanoplatelet Anode in Advanced Lithiumâ€Ion Batteries Using Ionic Liquid Added by a Carbonate Electrolyte. Advanced Materials Interfaces, 2015, 2, 1500085.	1.9	23

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91	Highly Cyclable Lithiumâ€“Sulfur Batteries with a Dual-Type Sulfur Cathode and a Lithiated Si/SiO_x Nanosphere Anode. Nano Letters, 2015, 15, 2863-2868.	4.5	116
92	A QuaternaryPoly(ethylene carbonate)-Lithium Bis(trifluoromethanesulfonyl)imide-Ionic Liquid-Silica Fiber Composite Polymer Electrolyte for Lithium Batteries. Electrochimica Acta, 2015, 175, 134-140.	2.6	73
93	Interphase Evolution of a Lithium-Ion/Oxygen Battery. ACS Applied Materials & Interfaces, 2015, 7, 22638-22643.	4.0	50
94	Polyethylene glycol dimethyl ether (PEGDME)-based electrolyte for lithium metal battery. Journal of Power Sources, 2015, 299, 460-464.	4.0	52
95	Graphene Nanoplatelets: Characteristics of a Graphene Nanoplatelet Anode in Advanced Lithium-Ion Batteries Using Ionic Liquid Added by a Carbonate Electrolyte (Adv. Mater. Interfaces 8/2015). Advanced Materials Interfaces, 2015, 2, n/a-n/a.	1.9	2
96	Reviewâ€”Advances in Anode and Electrolyte Materials for the Progress of Lithium-Ion and beyond Lithium-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A2582-A2588.	1.3	104
97	High capacity tinâ€“iron oxide-carbon nanostructured anode for advanced lithium ion battery. Journal of Power Sources, 2015, 299, 611-616.	4.0	27
98	Lithium Transport Properties in LiMn_{1â^'Î±}Fe_{Î±}PO₄ Olivine Cathodes. Journal of Physical Chemistry C, 2015, 119, 20855-20863.	1.5	63
99	A Gelâ€“Polymer Snâ€“C/LiMn_{0.5}Fe_{0.5}PO₄ Battery Using a Fluorine-Free Salt. ACS Applied Materials & Interfaces, 2015, 7, 21198-21207.	4.0	29
100	The Lithium/Air Battery: Still an Emerging System or a Practical Reality?. Advanced Materials, 2015, 27, 784-800.	11.1	543
101	Nanostructured tinâ€“carbon/ LiNi0.5Mn1.5O4 lithium-ion battery operating at low temperature. Journal of Power Sources, 2015, 275, 227-233.	4.0	42
102	A new Sn-C/LiFe0.1Co0.9PO4 full lithium-ion cell with ionic liquid-based electrolyte. Materials Letters, 2015, 139, 329-332.	1.3	33
103	Reduction phases of thin iron-oxide nanowires upon thermal treatment and Li exposure. Journal of Applied Physics, 2014, 115, .	1.1	0
104	Lithiation of an Iron Oxideâ€Based Anode for Stable, Highâ€Capacity Lithiumâ€Ion Batteries of Porous Carbonâ€“Fe₃O₄/Li[Ni_{0.59}Co_{0.16}Mn_{0.25}]O₂ Energy Technology, 2014, 2, 778-785.	1.8	44
105	Electrochemical characteristics of iron oxide nanowires during lithium-promoted conversion reaction. Journal of Power Sources, 2014, 256, 133-136.	4.0	24
106	Sodiumâ€Ion Battery based on an Electrochemically Converted NaFePO₄ Cathode and Nanostructured Tinâ€“Carbon Anode. ChemPhysChem, 2014, 15, 2152-2155.	1.0	57
107	In-situ gelled electrolyte for lithium battery: Electrochemical andÂRaman characterization. Journal of Power Sources, 2014, 245, 232-235.	4.0	8
108	Polyethylene oxide electrolyte added by silane-functionalized TiO2 filler for lithium battery. Solid State Ionics, 2014, 268, 174-178.	1.3	18

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109	An Advanced Lithiumâ€“Air Battery Exploiting an Ionic Liquid-Based Electrolyte. Nano Letters, 2014, 14, 6572-6577.	4.5	200
110	Stable, High Voltage Li_{0.85}Ni_{0.46}Cu_{0.1}Mn_{1.49}O₄ Spinel Cathode in a Lithium-Ion Battery Using a Conversion-Type CuO Anode. ACS Applied Materials & Interfaces, 2014, 6, 5206-5211.	4.0	38
111	A New, High Energy Snâ€“C/Li[Li_{0.2}Ni_{0.4/3}Co_{0.4/3}Mn_{1.6/3}]O₂ Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2014, 6, 12956-12961.	4.0	38
112	High Performance Na_{0.5}[Ni_{0.23}Fe_{0.13}Mn_{0.63}]O₂ Cathode for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2014, 4, 1400083.	10.2	204
113	An Advanced Lithium-Ion Battery Based on a Graphene Anode and a Lithium Iron Phosphate Cathode. Nano Letters, 2014, 14, 4901-4906.	4.5	402
114	Influence of the porosity degree of poly(vinylidene fluoride-co-hexafluoropropylene) separators in the performance of Li-ion batteries. Journal of Power Sources, 2014, 263, 29-36.	4.0	37
115	Characteristics of Li2S8-tetraglyme catholyte in a semi-liquid lithiumâ€“sulfur battery. Journal of Power Sources, 2014, 265, 14-19.	4.0	68
116	Role of the Lithium Salt in the Performance of Lithiumâ€“Oxygen Batteries: A Comparative Study. ChemElectroChem, 2014, 1, 47-50.	1.7	46
117	Advanced Na[Ni_{0.25}Fe_{0.5}Mn_{0.25}]O₂/Câ€“Fe₃O₄ Sodium-Ion Batteries Using EMS Electrolyte for Energy Storage. Nano Letters, 2014, 14, 1620-1626.	11.5	283
118	A Lithium-Ion Sulfur Battery Based on a Carbon-Coated Lithium-Sulfide Cathode and an Electrodeposited Silicon-Based Anode. ACS Applied Materials & Interfaces, 2014, 6, 10924-10928.	4.0	124
119	Lithium Batteries: Status and Future. , 2014, , 121-162.		0
120	An Advanced Lithiumâ€Sulfur Battery. Advanced Functional Materials, 2013, 23, 1076-1080.	7.8	310
121	Hybrid membranes based on sulfated titania nanoparticles as low-cost proton conductors. Ionics, 2013, 19, 1203-1206.	1.2	11
122	Progress in Lithiumâ€“Sulfur Batteries: The Effective Role of a Polysulfideâ€Added Electrolyte as Buffer to Prevent Cathode Dissolution. ChemSusChem, 2013, 6, 2245-2248.	3.6	70
123	A new, high performance CuO/LiNi0.5Mn1.5O4 lithium-ion battery. Journal of Materials Chemistry A, 2013, 1, 15329.	5.2	45
124	Electrochemical performance of a graphene nanosheets anode in a high voltage lithium-ion cell. Physical Chemistry Chemical Physics, 2013, 15, 20444.	1.3	27
125	Lithiumâ€Sulfur Batteries: An Advanced Lithiumâ€Sulfur Battery (Adv. Funct. Mater. 8/2013). Advanced Functional Materials, 2013, 23, 1092-1092.	7.8	5
126	Alternative materials for sodium ionâ€“sulphur batteries. Journal of Materials Chemistry A, 2013, 1, 5256.	5.2	141

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127	An advanced sodium-ion rechargeable battery based on a tinâ€“carbon anode and a layered oxide framework cathode. Physical Chemistry Chemical Physics, 2013, 15, 3827.	1.3	88
128	Poly(ethylenglycol)dimethyletherâ€“lithium bis(trifluoromethanesulfonyl)imide, PEG500DMEâ€“LiTFSI, as high viscosity electrolyte for lithium ion batteries. Journal of Power Sources, 2013, 226, 329-333.	4.0	46
129	A lithiumâ€“sulfur battery using a solid, glass-type P2S5â€“Li2S electrolyte. Solid State Ionics, 2013, 244, 48-51.	1.3	126
130	A structural, spectroscopic and electrochemical study of a lithium ion conducting Li10GeP2S12 solid electrolyte. Journal of Power Sources, 2013, 229, 117-122.	4.0	84
131	Magnetism in Lithiumâ€“Oxygen Discharge Product. ChemSusChem, 2013, 6, 1196-1202.	3.6	23
132	Investigation of the carbon electrode changes during lithium oxygen cell operation in a tetraglyme-based electrolyte. Electrochemistry Communications, 2013, 34, 250-253.	2.3	21
133	Enhanced Lithium Battery with Polyethylene Oxideâ€Based Electrolyte Containing Silaneâ€“Al₂O₃ Ceramic Filler. ChemSusChem, 2013, 6, 1400-1405.	3.6	52
134	Composite Poly(ethylene oxide) Electrolytes Plasticized by Nâ€Alkylâ€Nâ€butylpyrrolidinium Bis(trifluoromethanesulfonyl)imide for Lithium Batteries. ChemSusChem, 2013, 6, 1037-1043.	3.6	69
135	Influence of Temperature on Lithiumâ€“Oxygen Battery Behavior. Nano Letters, 2013, 13, 2971-2975.	4.5	63
136	Mechanically milled, nanostructured SnC composite anode for lithium ion battery. Electrochimica Acta, 2013, 90, 690-694.	2.6	30
137	<I>In-Situ</I> X-Ray Diffraction Study of the Li-Alloying Electrochemical Process in a Tin-Carbon Nanocomposite Electrode. Nanoscience and Nanotechnology Letters, 2012, 4, 132-135.	0.4	3
138	Silicon-based nanocomposite for advanced thin film anodes in lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 1556-1561.	6.7	26
139	Nickel-Layer Protected, Carbon-Coated Sulfur Electrode for Lithium Battery. Journal of the Electrochemical Society, 2012, 159, A390-A395.	1.3	27
140	An advanced configuration TiO2/LiFePO4 polymer lithium ion battery. Journal of Power Sources, 2012, 217, 459-463.	4.0	23
141	A high power Snâ€“C/Câ€“LiFePO4 lithium ion battery. Journal of Power Sources, 2012, 217, 72-76.	4.0	68
142	Reversible NaFePO4 electrode for sodium secondary batteries. Electrochemistry Communications, 2012, 22, 149-152.	2.3	350
143	A Metal-Free, Lithium-Ion Oxygen Battery: A Step Forward to Safety in Lithium-Air Batteries. Nano Letters, 2012, 12, 5775-5779.	4.5	148
144	A Transmission Electron Microscopy Study of the Electrochemical Process of Lithiumâ€“Oxygen Cells. Nano Letters, 2012, 12, 4333-4335.	4.5	107

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145	A Long Life, High Capacity, High Rate Lithium-Air Battery Using a Stable Glyme Electrolyte. ECS Meeting Abstracts, 2012, , .	0.0	0
146	An improved high-performance lithiumâ€“air battery. Nature Chemistry, 2012, 4, 579-585.	6.6	996
147	A tetraethylene glycol dimethylether-lithium bis(oxalate)borate (TEGDME-LiBOB) electrolyte for advanced lithium ion batteries. Electrochemistry Communications, 2012, 14, 43-46.	2.3	32
148	A contribution to the progress of high energy batteries: A metal-free, lithium-ion, siliconâ€“sulfur battery. Journal of Power Sources, 2012, 202, 308-313.	4.0	155
149	The Role of AlF₃ Coatings in Improving Electrochemical Cycling of Liâ€Enriched Nickelâ€Manganese Oxide Electrodes for Liâ€Ion Batteries. Advanced Materials, 2012, 24, 1192-1196.	11.1	629
150	A safe, high-rate and high-energy polymer lithium-ion battery based on gelled membranes prepared by electrospinning. Energy and Environmental Science, 2011, 4, 921.	15.6	227
151	A high-rate long-life Li4Ti5O12/Li[Ni0.45Co0.1Mn1.45]O4 lithium-ion battery. Nature Communications, 2011, 2, 516.	5.8	327
152	Lithium-ion batteries. A look into the future. Energy and Environmental Science, 2011, 4, 3287.	15.6	2,246
153	A lithium ion battery using nanostructured Snâ€“C anode, LiFePO4 cathode and polyethylene oxide-based electrolyte. Solid State Ionics, 2011, 202, 36-39.	1.3	37
154	An Advanced Lithium Ion Battery Based on High Performance Electrode Materials. Journal of the American Chemical Society, 2011, 133, 3139-3143.	6.6	382
155	Electrochemical behaviour of Sn and Snâ€“C composite electrodes in LiBOB containing electrolytes. Journal of Power Sources, 2011, 196, 349-354.	4.0	24
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