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	Lithium-ion batteries. A look into the future. Energy and Environmental Science, 2011, 4, 3287.	15.6	2,246
2	An improved high-performance lithiumâ€“air battery. Nature Chemistry, 2012, 4, 579-585.	6.6	996
3	Nanostructured Snâ€“C Composite as an Advanced Anode Material in Highâ€Performance Lithiumâ€Ion Batteries. Advanced Materials, 2007, 19, 2336-2340.	11.1	836
4	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
5	A Novel Concept for the Synthesis of an Improved LiFePO[sub 4] Lithium Battery Cathode. Electrochemical and Solid-State Letters, 2002, 5, A47.	2.2	549
6	The Lithium/Air Battery: Still an Emerging System or a Practical Reality?. Advanced Materials, 2015, 27, 784-800.	11.1	543
7	A Highâ€Performance Polymer Tin Sulfur Lithium Ion Battery. Angewandte Chemie - International Edition, 2010, 49, 2371-2374.	7.2	405
8	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
9	A Nanostructured Snâ€“C Composite Lithium Battery Electrode with Unique Stability and High Electrochemical Performance. Advanced Materials, 2008, 20, 3169-3175.	11.1	393
10	Moving to a Solidâ€State Configuration: A Valid Approach to Making Lithiumâ€Sulfur Batteries Viable for Practical Applications. Advanced Materials, 2010, 22, 5198-5201.	11.1	388
11	An Advanced Lithium Ion Battery Based on High Performance Electrode Materials. Journal of the American Chemical Society, 2011, 133, 3139-3143.	6.6	382
12	High-Rate, Long-Life Niâ€“Sn Nanostructured Electrodes for Lithium-Ion Batteries. Advanced Materials, 2007, 19, 1632-1635.	11.1	378
13	Reversible NaFePO4 electrode for sodium secondary batteries. Electrochemistry Communications, 2012, 22, 149-152.	2.3	350
14	A high-rate long-life Li4Ti5O12/Li[Ni0.45Co0.1Mn1.45]O4 lithium-ion battery. Nature Communications, 2011, 2, 516.	5.8	327
15	An Advanced Lithiumâ€Sulfur Battery. Advanced Functional Materials, 2013, 23, 1076-1080.	7.8	310
16	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
17	Investigation of the O₂ Electrochemistry in a Polymer Electrolyte Solidâ€State Cell. Angewandte Chemie - International Edition, 2011, 50, 2999-3002.	7.2	230
18	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

#	Article	IF	Citations
19	A New, Safe, Highâ€Rate and Highâ€Energy Polymer Lithiumâ€Ion Battery. Advanced Materials, 2009, 21, 4807-4810.	11.1	215
20	Lithium-ion batteries for sustainable energy storage: recent advances towards new cell configurations. Green Chemistry, 2017, 19, 3442-3467.	4.6	205
21	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
22	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
23	An Advanced Lithiumâ€“Air Battery Exploiting an Ionic Liquid-Based Electrolyte. Nano Letters, 2014, 14, 6572-6577.	4.5	200
24	Hot-pressed, dry, composite, PEO-based electrolyte membranes. Journal of Power Sources, 2003, 114, 105-112.	4.0	173
25	Hot-pressed, solvent-free, nanocomposite, PEO-based electrolyte membranes. Journal of Power Sources, 2003, 124, 246-253.	4.0	173
26	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
27	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
28	Electrodeposited Niâ€“Sn intermetallic electrodes for advanced lithium ion batteries. Journal of Power Sources, 2006, 160, 1336-1341.	4.0	150
29	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
30	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
31	Rechargeable lithium sulfide electrode for a polymer tin/sulfur lithium-ion battery. Journal of Power Sources, 2011, 196, 343-348.	4.0	141
32	Alternative materials for sodium ionâ€“sulphur batteries. Journal of Materials Chemistry A, 2013, 1, 5256.	5.2	141
33	Exceptional long-life performance of lithium-ion batteries using ionic liquid-based electrolytes. Energy and Environmental Science, 2016, 9, 3210-3220.	15.6	136
34	A lithiumâ€“sulfur battery using a solid, glass-type P2S5â€“Li2S electrolyte. Solid State Ionics, 2013, 244, 48-51.	1.3	126
35	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
36	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

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37	Current status and future perspectives of lithium metal batteries. Journal of Power Sources, 2020, 480, 228803.	4.0	109
38	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
39	A Transmission Electron Microscopy Study of the Electrochemical Process of Lithiumâ€“Oxygen Cells. Nano Letters, 2012, 12, 4333-4335.	4.5	107
40	Polysulfide-containing Glyme-based Electrolytes for Lithium Sulfur Battery. Chemistry of Materials, 2015, 27, 4604-4611.	3.2	105
41	Ternary Snâ€“Coâ€“C Li-ion battery electrode material prepared by high energy ball milling. Electrochemistry Communications, 2007, 9, 2075-2081.	2.3	104
42	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
43	Recent advances in liquid and polymer lithium-ion batteries. Journal of Materials Chemistry, 2007, 17, 3668.	6.7	101
44	An Advanced Lithiumâ€Ion Sulfur Battery for High Energy Storage. Advanced Energy Materials, 2015, 5, 1500481.	10.2	97
45	Comparative Study of Ether-Based Electrolytes for Application in Lithiumâ€“Sulfur Battery. ACS Applied Materials & Interfaces, 2015, 7, 13859-13865.	4.0	95
46	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
47	Characteristics of an ionic liquid electrolyte for sodium-ion batteries. Journal of Power Sources, 2016, 303, 203-207.	4.0	95
48	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
49	Nanostructured Na-ion and Li-ion anodes for battery application: A comparative overview. Nano Research, 2017, 10, 3942-3969.	5.8	88
50	An electrochemical investigation of a Snâ€“Coâ€“C ternary alloy as a negative electrode in Li-ion batteries. Journal of Power Sources, 2007, 171, 928-931.	4.0	85
51	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
52	Decomposition of ethylene carbonate on electrodeposited metal thin film anode. Journal of Power Sources, 2010, 195, 2036-2043.	4.0	78
53	Lithium-iron battery: Fe2O3 anode versus LiFePO4 cathode. Electrochemistry Communications, 2011, 13, 228-231.	2.3	78
54	Transition metal oxide-carbon composites as conversion anodes for sodium-ion battery. Electrochimica Acta, 2015, 173, 613-618.	2.6	78

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55	Solid-state, rechargeable Li/LiFePO4 polymer battery for electric vehicle application. Journal of Power Sources, 2010, 195, 6902-6904.	4.0	74
56	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
57	An advanced lithium-ion battery based on a nanostructured Snâ€“C anode and an electrochemically stable LiTFSi-Py24TFSI ionic liquid electrolyte. Journal of Power Sources, 2010, 195, 574-579.	4.0	72
58	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
59	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
60	A high power Snâ€“C/Câ€“LiFePO4 lithium ion battery. Journal of Power Sources, 2012, 217, 72-76.	4.0	68
61	Characteristics of Li2S8-tetraglyme catholyte in a semi-liquid lithiumâ€“sulfur battery. Journal of Power Sources, 2014, 265, 14-19.	4.0	68
62	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
63	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
64	High Voltage Li-Ion Battery Using Exfoliated Graphite/Graphene Nanosheets Anode. ACS Applied Materials & Interfaces, 2016, 8, 10850-10857.	4.0	66
65	Lithium sulfur and lithium oxygen batteries: new frontiers of sustainable energy storage. Sustainable Energy and Fuels, 2017, 1, 228-247.	2.5	66
66	Nanocomposite PEO-based polymer electrolyte using a highly porous, super acid zirconia filler. Solid State Ionics, 2009, 180, 1267-1271.	1.3	65
67	The effect of CoSn/CoSn2 phase ratio on the electrochemical behaviour of Sn40Co40C20 ternary alloy electrodes in lithium cells. Journal of Power Sources, 2008, 180, 568-575.	4.0	63
68	Influence of Temperature on Lithiumâ€“Oxygen Battery Behavior. Nano Letters, 2013, 13, 2971-2975.	4.5	63
69	Lithium Transport Properties in LiMn_{1â^'Î±}Fe_{Î±}PO₄ Olivine Cathodes. Journal of Physical Chemistry C, 2015, 119, 20855-20863.	1.5	63
70	A SnSbâ€“C nanocomposite as high performance electrode for lithium ion batteries. Electrochimica Acta, 2009, 54, 4441-4444.	2.6	62
71	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
72	Sodiumâ€Ion Battery based on an Electrochemically Converted NaFePO₄ Cathode and Nanostructured Tinâ€“Carbon Anode. ChemPhysChem, 2014, 15, 2152-2155.	1.0	57

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73	A lithium-ion sulfur battery using a polymer, polysulfide-added membrane. Scientific Reports, 2015, 5, 7591.	1.6	54
74	Enhanced Lithium Battery with Polyethylene Oxideâ€Based Electrolyte Containing Silaneâ€“Al₂O₃ Ceramic Filler. ChemSusChem, 2013, 6, 1400-1405.	3.6	52
75	Polyethylene glycol dimethyl ether (PEGDME)-based electrolyte for lithium metal battery. Journal of Power Sources, 2015, 299, 460-464.	4.0	52
76	The role of the morphology in the response of Sbâ€“C nanocomposite electrodes in lithium cells. Journal of Power Sources, 2008, 183, 339-343.	4.0	51
77	Interphase Evolution of a Lithium-Ion/Oxygen Battery. ACS Applied Materials & Interfaces, 2015, 7, 22638-22643.	4.0	50
78	Electrochemical properties of a poly(ethylene carbonate)-LiTFSI electrolyte containing a pyrrolidinium-based ionic liquid. Ionics, 2015, 21, 895-900.	1.2	49
79	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
80	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
81	A Polymer Lithium-Oxygen Battery. Scientific Reports, 2015, 5, 12307.	1.6	47
82	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
83	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
84	Role of the Lithium Salt in the Performance of Lithiumâ€“Oxygen Batteries: A Comparative Study. ChemElectroChem, 2014, 1, 47-50.	1.7	46
85	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
86	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
87	A new, high performance CuO/LiNi0.5Mn1.5O4 lithium-ion battery. Journal of Materials Chemistry A, 2013, 1, 15329.	5.2	45
88	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.	3.8	44
89	Comparison between microparticles and nanostructured particles of FeSn2 as anode materials for Li-ion batteries. Journal of Power Sources, 2011, 196, 7011-7015.	4.0	43
90	Nanostructured tinâ€“carbon/ LiNi0.5Mn1.5O4 lithium-ion battery operating at low temperature. Journal of Power Sources, 2015, 275, 227-233.	4.0	42

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91	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
92	Electrochemical features of LiMnPO4 olivine prepared by sol-gel pathway. Journal of Alloys and Compounds, 2017, 693, 730-737.	2.8	42
93	Characteristics of glyme electrolytes for sodium battery: nuclear magnetic resonance and electrochemical study. Electrochimica Acta, 2017, 231, 223-229.	2.6	39
94	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
95	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
96	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
97	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
98	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
99	A long-life lithium ion sulfur battery exploiting high performance electrodes. Chemical Communications, 2015, 51, 14540-14542.	2.2	37
100	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
101	High performance PEO-based polymer electrolytes and their application in rechargeable lithium polymer batteries. Ionics, 2007, 13, 281-286.	1.2	36
102	A high capacity, template-electroplated Niâ€“Sn intermetallic electrode for lithium ion battery. Journal of Power Sources, 2011, 196, 7767-7770.	4.0	36
103	A lithium-ion oxygen battery using a polyethylene glyme electrolyte mixed with an ionic liquid. RSC Advances, 2015, 5, 21360-21365.	1.7	36
104	Lowâ€Polarization Lithiumâ€“Oxygen Battery Using [DEME][TFSI] Ionic Liquid Electrolyte. ChemSusChem, 2018, 11, 229-236.	3.6	35
105	A High Voltage Olivine Cathode for Application in Lithiumâ€Ion Batteries. ChemSusChem, 2016, 9, 223-230.	3.6	34
106	Highâ€Capacity NiOâ€“(Mesocarbon Microbeads) Conversion Anode for Lithiumâ€Ion Battery. ChemElectroChem, 2015, 2, 988-994.	1.7	33
107	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
108	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

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109	Mechanically milled, nanostructured SnC composite anode for lithium ion battery. Electrochimica Acta, 2013, 90, 690-694.	2.6	30
110	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
111	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
112	A SiO_xâ€Based Anode in a Highâ€Voltage Lithiumâ€Ion Battery. ChemElectroChem, 2017, 4, 2164-2168.	1.7	28
113	An alternative composite polymer electrolyte for high performances lithium battery. Journal of Power Sources, 2020, 449, 227508.	4.0	28
114	Glyme-based electrolytes: suitable solutions for next-generation lithium batteries. Green Chemistry, 2022, 24, 1021-1048.	4.6	28
115	Nickel-Layer Protected, Carbon-Coated Sulfur Electrode for Lithium Battery. Journal of the Electrochemical Society, 2012, 159, A390-A395.	1.3	27
116	Electrochemical performance of a graphene nanosheets anode in a high voltage lithium-ion cell. Physical Chemistry Chemical Physics, 2013, 15, 20444.	1.3	27
117	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
118	High capacity tinâ€“iron oxide-carbon nanostructured anode for advanced lithium ion battery. Journal of Power Sources, 2015, 299, 611-616.	4.0	27
119	Silicon-based nanocomposite for advanced thin film anodes in lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 1556-1561.	6.7	26
120	Natural Abundance Oxygen-17 NMR Investigation of Lithium Ion Solvation in Glyme-based Electrolytes. Electrochimica Acta, 2016, 213, 606-612.	2.6	26
121	Carbon Composites for a Highâ€Energy Lithiumâ€“Sulfur Battey with a Glymeâ€Based Electrolyte. ChemElectroChem, 2017, 4, 209-215.	1.7	26
122	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
123	Electrochemical behaviour of Sn and Snâ€“C composite electrodes in LiBOB containing electrolytes. Journal of Power Sources, 2011, 196, 349-354.	4.0	24
124	Electrochemical characteristics of iron oxide nanowires during lithium-promoted conversion reaction. Journal of Power Sources, 2014, 256, 133-136.	4.0	24
125	A gel polymer membrane for lithium-ion oxygen battery. Solid State Ionics, 2016, 287, 22-27.	1.3	24
126	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

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127	An advanced configuration TiO2/LiFePO4 polymer lithium ion battery. Journal of Power Sources, 2012, 217, 459-463.	4.0	23
128	Magnetism in Lithiumâ€“Oxygen Discharge Product. ChemSusChem, 2013, 6, 1196-1202.	3.6	23
129	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
130	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
131	Understanding problems of lithiated anodes in lithium oxygen full-cells. Journal of Materials Chemistry A, 2016, 4, 10467-10471.	5.2	23
132	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
133	Characterization of a reversible, low-polarization sodium-oxygen battery. Electrochimica Acta, 2016, 191, 516-520.	2.6	22
134	High-power lithium polysulfide-carbon battery. Carbon, 2016, 96, 125-130.	5.4	22
135	A novel polymer electrolyte membrane for application in solid state lithium metal battery. Solid State Ionics, 2018, 317, 97-102.	1.3	22
136	The Role of Current Collector in Enabling the High Performance of Li/S Battery. ChemistrySelect, 2018, 3, 10371-10377.	0.7	22
137	Lithiumâ€“Oxygen Battery Exploiting Highly Concentrated Glyme-Based Electrolytes. ACS Applied Energy Materials, 2020, 3, 12263-12275.	2.5	22
138	Investigating high-performance sulfurâ€“metal nanocomposites for lithium batteries. Sustainable Energy and Fuels, 2020, 4, 2907-2923.	2.5	22
139	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
140	Enhanced Lithium Oxygen Battery Using a Glyme Electrolyte and Carbon Nanotubes. ACS Applied Materials & Interfaces, 2018, 10, 16367-16375.	4.0	21
141	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
142	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
143	Triglyme-based electrolyte for sodium-ion and sodium-sulfur batteries. Ionics, 2019, 25, 3129-3141.	1.2	20
144	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

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145	Determination of the safety level of an advanced lithium ion battery having a nanostructured Snâ€“C anode, a high voltage LiNi0.5Mn1.5O4 cathode, and a polyvinylidene fluoride-based gel electrolyte. Electrochimica Acta, 2010, 55, 4194-4200.	2.6	18
146	Polyethylene oxide electrolyte added by silane-functionalized TiO2 filler for lithium battery. Solid State Ionics, 2014, 268, 174-178.	1.3	18
147	Insight on the Li₂S electrochemical process in a composite configuration electrode. New Journal of Chemistry, 2016, 40, 2935-2943.	1.4	18
148	Sulfur Loaded by Nanometric Tin as a New Electrode for Highâ€Performance Lithium/Sulfur Batteries. Energy Technology, 2019, 7, 1900081.	1.8	18
149	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
150	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
151	Quaternary Polyethylene Oxide Electrolytes Containing Ionic Liquid for Lithium Polymer Battery. Journal of the Electrochemical Society, 2016, 163, A1175-A1180.	1.3	14
152	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
153	Xâ€ray Nanoâ€computed Tomography of Electrochemical Conversion in Lithiumâ€Ion Battery. ChemSusChem, 2019, 12, 3550-3561.	3.6	14
154	Glyme-based electrolytes for lithium metal batteries using insertion electrodes: An electrochemical study. Electrochimica Acta, 2019, 306, 85-95.	2.6	14
155	Scalable Composites Benefiting from Transitionâ€Metal Oxides as Cathode Materials for Efficient Lithiumâ€Sulfur Batteries. ChemElectroChem, 2022, 9, .	1.7	14
156	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
157	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
158	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
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