

Huajun Guo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8192382/huajun-guo-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143
papers

5,683
citations

43
h-index

69
g-index

144
ext. papers

6,472
ext. citations

7.1
avg, IF

6.12
L-index

#	Paper	IF	Citations
143	Three-dimensional hierarchical Co ₃ O ₄ /CuO nanowire heterostructure arrays on nickel foam for high-performance lithium ion batteries. <i>Nano Energy</i> , 2014 , 6, 19-26	17.1	206
142	Role of zirconium dopant on the structure and high voltage electrochemical performances of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2016 , 188, 48-56	6.7	197
141	Enhanced electrochemical properties of lithium-reactive V ₂ O ₅ coated on the LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode material for lithium ion batteries at 60 °C. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1284-1288	13	187
140	Advances in nanostructures fabricated via spray pyrolysis and their applications in energy storage and conversion. <i>Chemical Society Reviews</i> , 2019 , 48, 3015-3072	58.5	182
139	Lightweight Reduced Graphene Oxide@MoS Interlayer as Polysulfide Barrier for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3707-3713	9.5	182
138	A short process for the efficient utilization of transition-metal chlorides in lithium-ion batteries: A case of Ni _{0.8} Co _{0.1} Mn _{0.1} O _{1.1} and LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ . <i>Journal of Power Sources</i> , 2017 , 342, 495-503	8.9	174
137	Synthesis and electrochemical study of Zr-doped Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ as cathode material for Li-ion battery. <i>Ceramics International</i> , 2016 , 42, 263-269	5.1	129
136	Tris(trimethylsilyl)phosphate: A film-forming additive for high voltage cathode material in lithium-ion batteries. <i>Journal of Power Sources</i> , 2014 , 248, 1306-1311	8.9	116
135	Electrochemical performance of zirconium doped lithium rich layered Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ oxide with porous hollow structure. <i>Journal of Power Sources</i> , 2015 , 299, 334-341	8.9	115
134	Effect of Mg doping on the structural and electrochemical performance of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode materials. <i>Electrochimica Acta</i> , 2015 , 182, 795-802	6.7	114
133	A novel NiCo ₂ O ₄ anode morphology for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11970-11975	13	113
132	A comprehensive study on electrochemical performance of Mn-surface-modified LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ synthesized by an in situ oxidizing-coating method. <i>Journal of Power Sources</i> , 2014 , 252, 200-207	8.9	110
131	Synthesis of Mg-doped LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ oxide and its electrochemical behavior in high-voltage lithium-ion batteries. <i>Ceramics International</i> , 2014 , 40, 13223-13230	5.1	102
130	Metallurgy Inspired Formation of Homogeneous Al ₂ O ₃ Coating Layer To Improve the Electrochemical Properties of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ Cathode Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 10199-10205	8.3	96
129	Accurate construction of a hierarchical nickel-cobalt oxide multishell yolk-shell structure with large and ultrafast lithium storage capability. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14996-15001	13	94
128	Petal-like Li ₄ Ti ₅ O ₁₂ -TiO ₂ nanosheets as high-performance anode materials for Li-ion batteries. <i>Nanoscale</i> , 2013 , 5, 6936-43	7.7	87
127	A new design concept for preparing nickel-foam-supported metal oxide microspheres with superior electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13469-13474	13	86

126	A low temperature fluorine substitution on the electrochemical performance of layered LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ /Fz cathode materials. <i>Electrochimica Acta</i> , 2013 , 92, 1-8	6.7	81
125	Preparation and characterization of flake graphite/silicon/carbon spherical composite as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2012 , 530, 30-35	5.7	80
124	Multi-layered carbon coated Si-based composite as anode for lithium-ion batteries. <i>Powder Technology</i> , 2018 , 323, 294-300	5.2	79
123	Non-aqueous dual-carbon lithium-ion capacitors: a review. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15541-15563	4.1	78
122	A MoS ₂ coating strategy to improve the comprehensive electrochemical performance of LiVPO ₄ F. <i>Journal of Power Sources</i> , 2016 , 315, 294-301	8.9	77
121	Enhancement of the Cyclability of a Si/Graphite@Graphene composite as anode for Lithium-ion batteries. <i>Electrochimica Acta</i> , 2014 , 116, 230-236	6.7	76
120	Natural sisal fibers derived hierarchical porous activated carbon as capacitive material in lithium ion capacitor. <i>Journal of Power Sources</i> , 2016 , 329, 339-346	8.9	73
119	Metalorganic Quantum Dots and Their Graphene-Like Derivative Porous Graphitic Carbon for Advanced Lithium-Ion Hybrid Supercapacitor. <i>Advanced Energy Materials</i> , 2019 , 9, 1802878	21.8	73
118	xLi ₃ V ₂ (PO ₄) ₃ /LiVPO ₄ F/C composite cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2013 , 87, 224-229	6.7	71
117	Nanosized LiVPO ₄ F/graphene composite: A promising anode material for lithium ion batteries. <i>Journal of Power Sources</i> , 2014 , 251, 325-330	8.9	68
116	Graphitic carbon balanced between high plateau capacity and high rate capability for lithium ion capacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15302-15309	13	66
115	Facile synthesis of NaVPO ₄ F/C cathode with enhanced interfacial conductivity towards long-cycle and high-rate sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2019 , 357, 458-462	14.7	66
114	Introducing reduced graphene oxide to improve the electrochemical performance of silicon-based materials encapsulated by carbonized polydopamine layer for lithium ion batteries. <i>Materials Letters</i> , 2017 , 195, 164-167	3.3	62
113	Beneficial effects of 1-propylphosphonic acid cyclic anhydride as an electrolyte additive on the electrochemical properties of LiNi _{0.5} Mn _{1.5} O ₄ cathode material. <i>Journal of Power Sources</i> , 2014 , 263, 231-238	8.9	61
112	Fluidized bed reaction towards crystalline embedded amorphous Si anode with much enhanced cycling stability. <i>Chemical Communications</i> , 2018 , 54, 3755-3758	5.8	60
111	Synthesis and electrochemical characterization of Zn-doped Li-rich layered Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode material. <i>Ceramics International</i> , 2015 , 41, 11396-11401	5.1	59
110	Preparation and characterization of core-shell structure Si/C composite with multiple carbon phases as anode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2016 , 658, 91-97	5.7	58
109	N-doped carbon layer derived from polydopamine to improve the electrochemical performance of spray-dried Si/graphite composite anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2016 , 689, 130-137	5.7	56

108	Anchoring K ⁺ in Li ⁺ Sites of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ Cathode Material to Suppress its Structural Degradation During High-Voltage Cycling. <i>Energy Technology</i> , 2018 , 6, 2358-2366	3.5	55
107	Robust template-activator cooperated pyrolysis enabling hierarchically porous honeycombed defective carbon as highly-efficient metal-free bifunctional electrocatalyst for Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118603	21.8	53
106	Hydrogen titanate and TiO ₂ nanowires as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12675		53
105	A novel architecture designed for lithium rich layered Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ oxides for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16817-16823	13	50
104	Improving rate capability and decelerating voltage decay of Li-rich layered oxide cathodes by chromium doping. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 11109-11119	6.7	50
103	Low-temperature synthesis of nano-micron Li ₄ Ti ₅ O ₁₂ by an aqueous mixing technique and its excellent electrochemical performance. <i>Journal of Power Sources</i> , 2012 , 202, 374-379	8.9	49
102	Robust synthesis of hierarchical mesoporous hybrid NiO/MnCo ₂ O ₄ microspheres and their application in Lithium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 191, 392-400	6.7	46
101	Synthesis and characterization of LiVPO ₄ F/C using precursor obtained through a soft chemical route with mechanical activation assist. <i>Electrochimica Acta</i> , 2013 , 91, 75-81	6.7	46
100	Influence of Mg ²⁺ doping on the structure and electrochemical performances of layered LiNi _{0.6} Co _{0.2} Mn _{0.2} Mg _x O ₂ cathode materials. <i>Journal of Alloys and Compounds</i> , 2016 , 671, 479-485	5.7	43
99	Carbonization and graphitization of pitch applied for anode materials of high power lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 1401-1408	2.6	41
98	Suppressing the Voltage Decay and Enhancing the Electrochemical Performance of Li _{1.2} Mn _{0.54} Co _{0.13} Ni _{0.13} O ₂ by Multifunctional Nb ₂ O ₅ Coating. <i>Energy Technology</i> , 2018 , 6, 2139-2145	3.5	40
97	Facile construction of Co(OH) ₂ @Ni(OH) ₂ core-shell nanosheets on nickel foam as three dimensional free-standing electrode for supercapacitors. <i>Electrochimica Acta</i> , 2019 , 293, 40-46	6.7	40
96	Structural and electrochemical properties of Mg-doped nickel based cathode materials LiNi _{0.6} Co _{0.2} Mn _{0.2} Mg _x O ₂ for lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 88773-88779	3.7	39
95	Spinel-embedded and Li ₃ PO ₄ modified Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode materials for High-Performance Li-Ion batteries. <i>Applied Surface Science</i> , 2018 , 456, 763-770	6.7	38
94	Structural and electrochemical characterization of Mg-doped Li _{1.2} [Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode material for lithium ion batteries. <i>Solid State Ionics</i> , 2015 , 282, 88-94	3.3	36
93	Enhancement of electrochemical performance of Al-doped LiVPO ₄ F using AlF ₃ as aluminum source. <i>Journal of Alloys and Compounds</i> , 2013 , 581, 836-842	5.7	36
92	A novel method to synthesize anatase TiO ₂ nanowires as an anode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3711-3715	5.7	35
91	Effect of synthesis routes on the electrochemical performance of Li[Ni _{0.6} Co _{0.2} Mn _{0.2}]O ₂ for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 3849-3854	2.6	34

90	Synthesis of porous Si/graphite/carbon nanotubes@C composites as a practical high-capacity anode for lithium-ion batteries. <i>Materials Letters</i> , 2017 , 199, 84-87	3.3	33
89	Synthesis of nanoparticles-assembled Co ₃ O ₄ microspheres as anodes for Li-ion batteries by spray pyrolysis of CoCl ₂ solution. <i>Electrochimica Acta</i> , 2016 , 209, 456-463	6.7	33
88	Silicon, flake graphite and phenolic resin-pyrolyzed carbon based Si/C composites as anode material for lithium-ion batteries. <i>Advanced Powder Technology</i> , 2013 , 24, 921-925	4.6	32
87	Enhanced electrochemical performance of LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode materials obtained by atomization co-precipitation method. <i>Ceramics International</i> , 2016 , 42, 644-649	5.1	31
86	One-step synthesis of Li-doped NiO as high-performance anode material for lithium ion batteries. <i>Ceramics International</i> , 2016 , 42, 14565-14572	5.1	31
85	Comparative investigations of LiVPO ₄ F/C and Li ₃ V ₂ (PO ₄) ₃ /C synthesized in similar soft chemical route. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 1-8	2.6	31
84	Fluorinated solvents for high-voltage electrolyte in lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 1589-1597	2.6	30
83	Lithiophilic Ag/Li composite anodes via a spontaneous reaction for Li nucleation with a reduced barrier. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20911-20918	13	30
82	A novel dried plum-like yolk-shell architecture of tin oxide nanodots embedded into a carbon matrix: ultra-fast assembly and superior lithium storage properties. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5803-5810	13	29
81	Effects of 1-propylphosphonic acid cyclic anhydride as an electrolyte additive on the high voltage cycling performance of graphite/LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ battery. <i>Electrochimica Acta</i> , 2015 , 166, 190-196	6.7	28
80	The role of a MnO ₂ functional layer on the surface of Ni-rich cathode materials: Towards enhanced chemical stability on exposure to air. <i>Ceramics International</i> , 2018 , 44, 13341-13348	5.1	28
79	Hollow Si/C composite as anode material for high performance lithium-ion battery. <i>Powder Technology</i> , 2016 , 299, 178-184	5.2	28
78	Mechanical activation assisted soft chemical synthesis of Na-doped lithium vanadium fluorophosphates with improved lithium storage properties. <i>Ceramics International</i> , 2015 , 41, 4267-4271	5.1	27
77	Cooperation of nitrogen-doping and catalysis to improve the Li-ion storage performance of lignin-based hard carbon. <i>Journal of Energy Chemistry</i> , 2018 , 27, 1390-1396	12	27
76	Multifunctional Separator with Porous Carbon/Multi-Walled Carbon Nanotube Coating for Advanced Lithium Sulfur Batteries. <i>ChemElectroChem</i> , 2018 , 5, 71-77	4.3	27
75	Facile synthesis of silicon/carbon nanospheres composite anode materials for lithium-ion batteries. <i>Materials Letters</i> , 2016 , 168, 138-142	3.3	27
74	Pitch carbon and LiF co-modified Si-based anode material for lithium ion batteries. <i>Ceramics International</i> , 2017 , 43, 8590-8595	5.1	26
73	A new route for graphene wrapping LiVPO ₄ F/C nano composite toward superior lithium storage property. <i>Journal of Alloys and Compounds</i> , 2015 , 639, 496-503	5.7	26

72	A polymer electrolyte based on poly(vinylidene fluoride-hexafluoropylene)/hydroxypropyl methyl cellulose blending for lithium-ion battery. <i>Ionics</i> , 2013 , 19, 757-762	2.7	26
71	Electrochemical properties of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ as cathode material for Li-ion batteries prepared by ultrasonic spray pyrolysis. <i>Materials Letters</i> , 2015 , 159, 39-42	3.3	25
70	Defective synergy of 2D graphitic carbon nanosheets promotes lithium-ion capacitors performance. <i>Energy Storage Materials</i> , 2020 , 24, 304-311	19.4	25
69	Effects of Nb doping on the performance of 0.5Li ₂ MnO ₃ /0.5LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode material for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 822, 57-65	4.1	25
68	Synthesis of Fe ₃ O ₄ cluster microspheres/graphene aerogels composite as anode for high-performance lithium ion battery. <i>Applied Surface Science</i> , 2018 , 439, 927-933	6.7	24
67	Structural and electrochemical characterization of NH ₄ F-pretreated lithium-rich layered Li[Li _{0.2} Ni _{0.13} Co _{0.13} Mn _{0.54}]O ₂ cathodes for lithium-ion batteries. <i>Ceramics International</i> , 2018 , 44, 14370-14376	5.1	24
66	Distinct impact of cobalt salt type on the morphology, microstructure, and electrochemical properties of Co ₃ O ₄ synthesized by ultrasonic spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2017 , 696, 836-843	5.7	21
65	An Ostwald ripening route towards Ni-rich layered cathode material with cobalt-rich surface for lithium ion battery. <i>Science China Materials</i> , 2018 , 61, 719-727	7.1	21
64	One-step facile synthesis of graphene-decorated LiVPO ₄ F/C nanocomposite as cathode for high-performance lithium ion battery. <i>Ceramics International</i> , 2015 , 41, 9188-9192	5.1	19
63	An alternative carbon source of silicon-based anode material for lithium ion batteries. <i>Powder Technology</i> , 2016 , 295, 296-302	5.2	19
62	Spray pyrolysis synthesis of nickel-rich layered cathodes LiNi _{1-x} Co _x Mn _x O ₂ (x = 0.075, 0.05, 0.025) for lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2018 , 27, 447-450	12	19
61	Performance of PVDF-HFP-based gel polymer electrolytes with different pore forming agents. <i>Iranian Polymer Journal (English Edition)</i> , 2012 , 21, 755-761	2.3	18
60	Potentiostatic deposition of nickel cobalt sulfide nanosheet arrays as binder-free electrode for high-performance pseudocapacitor. <i>Ceramics International</i> , 2018 , 44, 15778-15784	5.1	18
59	Enhanced electrochemical properties of LiNiO ₂ -based cathode materials by nanoscale manganese carbonate treatment. <i>Applied Surface Science</i> , 2017 , 403, 426-434	6.7	17
58	Manganese dissolution from LiMn ₂ O ₄ cathodes at elevated temperature: methylene methanedisulfonate as electrolyte additive. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 19-28	2.6	17
57	Capacity fading reason of LiNi _{0.5} Mn _{1.5} O ₄ with commercial electrolyte. <i>Ionics</i> , 2013 , 19, 379-383	2.7	17
56	Hydrometallurgical production of LiNi _{0.80} Co _{0.15} Al _{0.05} O ₂ cathode material from high-grade nickel matte. <i>Hydrometallurgy</i> , 2019 , 186, 30-41	4	16
55	In-situ tailored 3D Li ₂ O@Cu nanowires array enabling stable lithium metal anode with ultra-high coulombic efficiency. <i>Journal of Power Sources</i> , 2020 , 463, 228178	8.9	16

54	Fe _x Co _x alloy nanoparticles encapsulated in three-dimensionally N-doped porous carbon/multiwalled carbon nanotubes composites as bifunctional electrocatalyst for zinc-air battery. <i>Journal of Power Sources</i> , 2019 , 438, 227019	8.9	16
53	Improved electrochemical performance of Si/C material based on the interface stability. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 1304-1312	5.7	16
52	Enhanced cycling performance of Si/C composite prepared by spray-drying as anode for Li-ion batteries. <i>Powder Technology</i> , 2013 , 249, 105-109	5.2	16
51	Systematic parameter acquisition method for electrochemical model of 4.35 V LiCoO ₂ batteries. <i>Solid State Ionics</i> , 2019 , 343, 115083	3.3	16
50	Smartly tailored Co(OH) ₂ -Ni(OH) ₂ heterostructure on nickel foam as binder-free electrode for high-energy hybrid capacitors. <i>Electrochimica Acta</i> , 2019 , 309, 140-147	6.7	15
49	The Electrochemical Performance and Reaction Mechanism of Coated Titanium Anodes for Manganese Electrowinning. <i>Journal of the Electrochemical Society</i> , 2019 , 166, E502-E511	3.9	15
48	Comprehensive utilization of metallurgic waste in manganese electrowinning: Towards high performance LiMn ₂ O ₄ . <i>Ceramics International</i> , 2019 , 45, 8607-8615	5.1	14
47	Synthesis and characterization of Li ₄ Ti ₅ O ₁₂ /graphene composite as anode material with enhanced electrochemical performance. <i>Ionics</i> , 2013 , 19, 717-723	2.7	14
46	High-Value Utilization of Lignin To Prepare Functional Carbons toward Advanced Lithium-Ion Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11522-11531	8.3	14
45	Modification of Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode with HMoO ₃ via a simple wet chemical coating process. <i>Applied Surface Science</i> , 2019 , 479, 1277-1286	6.7	14
44	Improving the electrochemical performance of Li-rich Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ cathode material by LiF coating. <i>Ionics</i> , 2018 , 24, 3717-3724	2.7	13
43	Bifunctional Li ₆ CoO ₄ serving as prelithiation reagent and pseudocapacitive electrode for lithium ion capacitors. <i>Journal of Energy Chemistry</i> , 2020 , 47, 38-45	12	13
42	Manipulating the Composition and Structure of Solid Electrolyte Interphase at Graphite Anode by Adjusting the Formation Condition. <i>Energy Technology</i> , 2019 , 7, 1900273	3.5	12
41	A novel hierarchical precursor of densely integrated hydroxide nanoflakes on oxide microspheres toward high-performance layered Ni-rich cathode for lithium ion batteries. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1822-1828	7.8	12
40	Self-assembly of porous-graphite/silicon/carbon composites for lithium-ion batteries. <i>Powder Technology</i> , 2014 , 254, 403-406	5.2	12
39	Properties on novel PVDF-HFP-based composite polymer electrolyte with vinyltrimethoxysilane-modified ZSM-5. <i>Polymer Composites</i> , 2012 , 33, 629-635	3	12
38	Synthesis of FeO-nanowires/NiCo ₂ O ₄ -nanosheets core/shell heterostructure as free-standing electrode with enhanced lithium storage properties. <i>Ceramics International</i> , 2016 , 42, 15099-15103	5.1	11
37	Self-sacrificial-reaction guided formation of hierarchical electronic/ionic conductive shell enabling high-performance nano-silicon anode. <i>Chemical Engineering Journal</i> , 2021 , 415, 128998	14.7	11

36	Chitosan: A N-doped carbon source of silicon-based anode material for lithium ion batteries. <i>Ionics</i> , 2017 , 23, 2311-2318	2.7	10
35	Magnesium-doped Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode with high rate capability and improved cyclic stability. <i>Ionics</i> , 2019 , 25, 1967-1977	2.7	10
34	Synthesis and electrochemical performance of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ /reduced graphene oxide cathode materials for lithium-ion batteries. <i>Ionics</i> , 2013 , 19, 1329-1334	2.7	10
33	A compact process to prepare LiNi _{0.8} Co _{0.1} Mn _{0.1} O ₂ cathode material from nickel-copper sulfide ore. <i>Hydrometallurgy</i> , 2017 , 174, 1-9	4	10
32	Enhancing the electrochemical and storage performance of Ni-based cathode materials by introducing spinel pillaring layer for lithium ion batteries. <i>Solid State Ionics</i> , 2019 , 332, 41-46	3.3	10
31	Research Progress of Single-Crystal Nickel-Rich Cathode Materials for Lithium Ion Batteries.. <i>Small Methods</i> , 2021 , 5, e2100234	12.8	10
30	A smart architecture of nickel-cobalt sulfide nanotubes assembled nanoclusters for high-performance pseudocapacitor. <i>Journal of Alloys and Compounds</i> , 2018 , 765, 505-511	5.7	9
29	Modification by simultaneously $\text{LiWO}_3/\text{Li}_2\text{WO}_4$ composite coating and spinel-structure formation on Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode via a simple wet process. <i>Journal of Alloys and Compounds</i> , 2019 , 790, 421-432	5.7	8
28	Revealing the fake initial coulombic efficiency of spinel/layered Li-rich cathode materials. <i>Electrochimica Acta</i> , 2020 , 347, 136279	6.7	8
27	Compact structured silicon/carbon composites as high-performance anodes for lithium ion batteries. <i>Ionics</i> , 2018 , 24, 3405-3411	2.7	8
26	BODIPY-Based Conjugated Porous Polymer and Its Derived Porous Carbon for Lithium-Ion Storage. <i>ACS Omega</i> , 2018 , 3, 7727-7735	3.9	8
25	Preparation and physicochemical performances of poly[(vinylidene fluoride)-co-hexafluoropropylene]-based composite polymer electrolytes doped with modified carbon nanotubes. <i>Polymer International</i> , 2014 , 63, 307-314	3.3	8
24	Comprehensive reinvestigation on the initial coulombic efficiency and capacity fading mechanism of LiNi _{0.5} Mn _{1.5} O ₄ at low rate and elevated temperature. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 1029-1038	2.6	8
23	Spiral Graphene Coupling Hierarchically Porous Carbon Advances Dual-Carbon Lithium Ion Capacitor. <i>Energy Storage Materials</i> , 2021 , 38, 528-534	19.4	8
22	Graphitic nanorings for super-long lifespan lithium-ion capacitors. <i>Nano Research</i> , 2020 , 13, 2909-2916	10	7
21	Vital effect of sufficient vulcanization on the properties of Ni-Co-S/graphene composites for supercapacitor. <i>Chemical Engineering Science</i> , 2020 , 221, 115709	4.4	7
20	Superior lithium storage of Si/WSi ₂ composite prepared via one step co-reduction of multi-phase oxide. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 826, 84-89	4.1	7
19	Investigation on the storage performance of LiMn ₂ O ₄ at elevated temperature with the mixture of electrolyte stabilizer. <i>Ionics</i> , 2012 , 18, 907-911	2.7	7

18	Performance and capacity fading reason of LiMn ₂ O ₄ /graphite batteries after storing at high temperature. <i>Rare Metals</i> , 2009 , 28, 322-327	5.5	7
17	The influences of SO ₄ ²⁻ from electrolytic manganese dioxide precursor on the electrochemical properties of Li-rich Mn-based material for Li-ion batteries. <i>Ionics</i> , 2019 , 25, 2585-2594	2.7	7
16	Three-dimensionally mesoporous dual (Co, Fe) metal oxide/CNTs composite as electrocatalysts for air cathodes in Li-O ₂ batteries. <i>Ceramics International</i> , 2018 , 44, 21942-21949	5.1	7
15	Study on performances of ZSM-5 doped P(VDF-HFP) based composite polymer electrolyte prepared by steam bath technique. <i>Iranian Polymer Journal (English Edition)</i> , 2012 , 21, 481-488	2.3	6
14	Improving the electrochemical performance of LiMn ₂ O ₄ /graphite batteries using LiF additive during fabrication. <i>Rare Metals</i> , 2011 , 30, 120-125	5.5	6
13	Synthesis and performance of xLiVPO ₄ F/Li ₃ V ₂ (PO ₄) ₃ composites as cathode materials for lithium ion batteries. <i>Ceramics International</i> , 2015 , 41, 13891-13895	5.1	5
12	Clearing surficial charge-transport obstacles to boost the performance of lithium-rich layered oxides. <i>Chemical Engineering Journal</i> , 2020 , 399, 125142	14.7	5
11	Modification on improving the structural stabilities and cyclic properties of Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ cathode materials with CePO ₄ . <i>Ionics</i> , 2020 , 26, 2117-2127	2.7	5
10	Mono-Active Bimetallic Oxide Co ₂ AlO ₄ with Yolk-Shell Structure as a Superior Lithium-Storage Material. <i>ChemElectroChem</i> , 2019 , 6, 3298-3302	4.3	4
9	Storage performance with different charged state of manganese spinel battery. <i>Ionics</i> , 2012 , 18, 643-648.	2.7	4
8	Efficient production of metal manganese achieved by cylindrical and rotary electrode. <i>Journal of Cleaner Production</i> , 2021 , 326, 129266	10.3	4
7	Accurate regulation of pore distribution and atomic arrangement enabling highly efficient dual-carbon lithium ion capacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22230-22239	13	4
6	A Renewable Sedimentary Slurry Battery: Preliminary Study in Zinc Electrodes. <i>IScience</i> , 2020 , 23, 101826.	6.1	4
5	Improving the Desulfurization Degree of High-Grade Nickel Matte via a Two-Step Oxidation Roasting Process. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018 , 49, 1834-1840	2.5	3
4	Mitigating the voltage fading and air sensitivity of O ₃ -type NaNi _{0.4} Mn _{0.4} Cu _{0.1} Ti _{0.1} O ₂ cathode material via La doping. <i>Chemical Engineering Journal</i> , 2021 , 133456	14.7	2
3	Electrospinning-enabled SiO _x @TiO ₂ /C fibers as anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161635	5.7	2
2	Unraveling the role of LiODFB salt as a SEI-forming additive for sodium-ion battery. <i>Ionics</i> , 2021 , 27, 683-691	6.9	0
1	A robust in-situ catalytic graphitization combined with salt-template strategy towards fast lithium-ions storage. <i>Journal of Alloys and Compounds</i> , 2022 , 908, 164717	5.7	0

