Seung-Taek Myung

List of Publications by Year
in descending order

271	30,271	83	167
papers	citations	h-index	g-index
		5268	4991

284	284	284	16444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rechargeable zinc-ion batteries with manganese dioxide cathode: How critical is choice of manganese dioxide polymorphs in aqueous solutions?. Journal of Power Sources, 2022, 523, 231023.	7.8	14
2	Facilitating sustainable oxygen-redox chemistry for P3-type cathode materials for sodium-ion batteries. Energy Storage Materials, 2022, 46, 329-343.	18.0	11
3	Lithium dendritic growth inhibitor enabling high capacity, dendrite-free, and high current operation for rechargeable lithium batteries. Energy Storage Materials, 2022, 46, 76-89.	18.0	14
4	Sulfurized Carbon Composite with Unprecedentedly High Tap Density for Sodium Storage. Advanced Energy Materials, 2022, 12, .	19.5	2
5	Hysteresisâ€Suppressed Reversible Oxygenâ€Redox Cathodes for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2022, 12, .	19.5	42
6	Single-crystalline particle Ni-based cathode materials for lithium-ion batteries: Strategies, status, and challenges to improve energy density and cyclability. Energy Storage Materials, 2022, 51, 568-587.	18.0	22
7	Diverting Exploration of Silicon Anode into Practical Way: A Review Focused on Silicon-Graphite Composite for Lithium Ion Batteries. Energy Storage Materials, 2021, 35, 550-576.	18.0	248
8	WO3 Nanowire/Carbon Nanotube Interlayer as a Chemical Adsorption Mediator for High-Performance Lithium-Sulfur Batteries. Molecules, 2021, 26, 377.	3.8	12
9	Recent advancements in solid electrolytes integrated into all-solid-state 2D and 3D lithium-ion microbatteries. Journal of Materials Chemistry A, 2021, 9, 15140-15178.	10.3	39
10	Reducing cobalt from lithium-ion batteries for the electric vehicle era. Energy and Environmental Science, 2021, 14, 844-852.	30.8	174
11	An exceptionally large energy cathode with the Kâ€“SO₄â€“Cu conversion reaction for potassium rechargeable batteries. Journal of Materials Chemistry A, 2021, 9, 5475-5484.	10.3	3
12	Electronic Structure Engineering of Honeycomb Layered Cathode Material for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2003399.	19.5	24
13	A New Approach to Stable Cationic and Anionic Redox Activity in O3â€Layered Cathode for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2100901.	19.5	24
14	Promising sodium storage of bismuthinite by conversion chemistry. Energy Storage Materials, 2021, 38, 241-248.	18.0	16
15	Recent Advances in Electrode Materials with Anion Redox Chemistry for Sodium-Ion Batteries. Energy Material Advances, 2021, 2021, .	11.0	40
16	Gifts from Nature: Bioâ€Inspired Materials for Rechargeable Secondary Batteries. Advanced Materials, 2021, 33, e2006019.	21.0	30
17	Long Life Anode Material for Potassium Ion Batteries with High-Rate Potassium Storage. Energy Storage Materials, 2021, 40, 197-208.	18.0	18
18	Highly concentrated electrolyte enabling high-voltage application of metallic components for potassium-ion batteries. Journal of Power Sources, 2021, 510, 230436.	7.8	8

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19	Rational design of Co-free layered cathode material for sodium-ion batteries. Journal of Power Sources, 2021, 514, 230581.	7.8	20
20	Bismuth telluride anode boosting highly reversible electrochemical activity for potassium storage. Energy Storage Materials, 2021, 43, 411-421.	18.0	15
21	Na₂Fe₂F₇: a fluoride-based cathode for high power and long life Na-ion batteries. Energy and Environmental Science, 2021, 14, 1469-1479.	30.8	16
22	Bioâ€Derived Surface Layer Suitable for Long Term Cycling Niâ€Rich Cathode for Lithiumâ€Ion Batteries. Small, 2021, 17, e2104532.	10.0	7
23	Facile migration of potassium ions in a ternary P3-type K0.5[Mn0.8Fe0.1Ni0.1]O2 cathode in rechargeable potassium batteries. Energy Storage Materials, 2020, 25, 714-723.	18.0	57
24	New conversion chemistry of CuSO4 as ultra-high-energy cathode material for rechargeable sodium battery. Energy Storage Materials, 2020, 24, 458-466.	18.0	20
25	Pulse electrodeposited bismuth-tellurium superlattices with controllable bismuth content. Journal of Power Sources, 2020, 450, 227605.	7.8	7
26	Development of a New Mixed-Polyanion Cathode with Superior Electrochemical Performances for Na-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 163-171.	6.7	20
27	Recent Progress and Perspective of Advanced Highâ€Energy Coâ€Less Niâ€Rich Cathodes for Liâ€Ion Batteries: Yesterday, Today, and Tomorrow. Advanced Energy Materials, 2020, 10, 2002027.	19.5	221
28	A new pre-sodiation additive for sodium-ion batteries. Energy Storage Materials, 2020, 32, 281-289.	18.0	43
29	Exceptionally high-energy tunnel-type V1.5Cr0.5O4.5H nanocomposite as a novel cathode for Na-ion batteries. Nano Energy, 2020, 77, 105175.	16.0	10
30	KV3O8 with a large interlayer as a viable cathode material for zinc-ion batteries. Journal of Power Sources, 2020, 478, 229072.	7.8	15
31	High-power rhombohedral-Fe2(SO4)3 with outstanding cycle-performance as Fe-based cathode for K-ion batteries. Energy Storage Materials, 2020, 33, 276-282.	18.0	12
32	New Insight on Openâ€Structured Sodium Vanadium Oxide as Highâ€Capacity and Long Life Cathode for Znâ€"Ion Storage: Structure, Electrochemistry, and Firstâ€Principles Calculation. Advanced Energy Materials, 2020, 10, 2001595.	19.5	54
33	High-Voltage Stability in KFSI Nonaqueous Carbonate Solutions for Potassium-Ion Batteries: Current Collectors and Coin-Cell Components. ACS Applied Materials & Interfaces, 2020, 12, 42723-42733.	8.0	17
34	Co-Free Layered Cathode Materials for High Energy Density Lithium-Ion Batteries. ACS Energy Letters, 2020, 5, 1814-1824.	17.4	117
35	Highâ€Voltage Oxygenâ€Redoxâ€Based Cathode for Rechargeable Sodiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2001111.	19.5	72
36	Understanding the role of trace amount of Fe incorporated in Ni-rich Li[Ni1-x-yCoxMny]O2 cathode material. Journal of Alloys and Compounds, 2020, 835, 155342.	5.5	33

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37	Mnâ€Rich Pâ€²2â€Na_{0.67}[Ni_{0.1}Fe_{0.1}Mn_{0.8}]O₂ as Highâ€Energyâ€Density and Longâ€Life Cathode Material for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 2001346.	19.5	50
38	Nature-Derived Cellulose-Based Composite Separator for Sodium-Ion Batteries. Frontiers in Chemistry, 2020, 8, 153.	3.6	30
39	Revealing sodium storage mechanism in lithium titanium phosphate: Combined experimental and theoretical study. Journal of Power Sources, 2020, 455, 227976.	7.8	13
40	Construction of silica-oxygen-borate hybrid networks on Al2O3-coated polyethylene separators realizing multifunction for high-performance lithium ion batteries. Journal of Power Sources, 2020, 472, 228445.	7.8	36
41	An optimized approach toward high energy density cathode material for K-ion batteries. Energy Storage Materials, 2020, 27, 342-351.	18.0	37
42	Development of K4Fe3(PO4)2(P2O7) as a novel Fe-based cathode with high energy densities and excellent cyclability in rechargeable potassium batteries. Energy Storage Materials, 2020, 28, 47-54.	18.0	32
43	Oxalate-Based High-Capacity Conversion Anode for Potassium Storage. ACS Sustainable Chemistry and Engineering, 2020, 8, 3743-3750.	6.7	15
44	Synthesis and Electrochemical Reaction of a Pitch Carbon-Coated Zinc Vanadium Oxide Anode with Excellent Electrochemical Performance for Rechargeable Lithium Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 1908-1915.	6.7	8
45	P2â€K_{0.75}[Ni_{1/3}Mn_{2/3}]O₂ Cathode Material for High Power and Long Life Potassiumâ€Ion Batteries. Advanced Energy Materials, 2020, 10, 1903605.	19.5	50
46	Development of Novel Cathode with Large Lithium Storage Mechanism Based on Pyrophosphateâ€Based Conversion Reaction for Rechargeable Lithium Batteries. Small Methods, 2020, 4, 1900847.	8.6	5
47	Good practice guide for papers on batteries for the Journal of Power Sources. Journal of Power Sources, 2020, 452, 227824.	7.8	34
48	KTi₂(PO₄)₃ Electrode with a Long Cycling Stability for Potassiumâ€Ion Batteries. Small, 2020, 16, e2001090.	10.0	35
49	Cycling Stability of Layered Potassium Manganese Oxide in Nonaqueous Potassium Cells. ACS Applied Materials & Interfaces, 2019, 11, 27770-27779.	8.0	38
50	Controlled Oxygen Redox for Excellent Power Capability in Layered Sodiumâ€Based Compounds. Advanced Energy Materials, 2019, 9, 1901181.	19.5	49
51	P2-Na_{2/3}MnO₂ by Co Incorporation: As a Cathode Material of High Capacity and Long Cycle Life for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 28928-28933.	8.0	41
52	The Conversion Chemistry for High-Energy Cathodes of Rechargeable Sodium Batteries. ACS Nano, 2019, 13, 11707-11716.	14.6	13
53	Layered K_{0.28}MnO₂Â·0.15H₂O as a Cathode Material for Potassium-Ion Intercalation. ACS Applied Materials & Interfaces, 2019, 11, 43312-43319.	8.0	25
54	Unveiling yavapaiite-type K Fe(SO4)2 as a new Fe-based cathode with outstanding electrochemical performance for potassium-ion batteries. Nano Energy, 2019, 66, 104184.	16.0	28

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55	Controllable charge capacity using a black additive for high-energy-density sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 3903-3909.	10.3	41
56	Understanding on the structural and electrochemical performance of orthorhombic sodium manganese oxides. Journal of Materials Chemistry A, 2019, 7, 202-211.	10.3	39
57	Nb-Doped titanium phosphate for sodium storage: electrochemical performance and structural insights. Journal of Materials Chemistry A, 2019, 7, 5748-5759.	10.3	24
58	Potassium vanadate as a new cathode material for potassium-ion batteries. Journal of Power Sources, 2019, 432, 24-29.	7.8	53
59	Development of Na2FePO4F/Conducting-Polymer composite as an exceptionally high performance cathode material for Na-ion batteries. Journal of Power Sources, 2019, 432, 1-7.	7.8	29
60	Monoclinic Fe2(SO4)3: A new Fe-based cathode material with superior electrochemical performances for Na-ion batteries. Journal of Power Sources, 2019, 434, 226750.	7.8	14
61	A New Strategy to Build a Highâ€Performance Pâ€²2â€Type Cathode Material through Titanium Doping for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2019, 29, 1901912.	14.9	76
62	Passivation of aluminum current collectors in non-aqueous carbonate solutions containing sodium or potassium hexafluorophosphate salts. Journal of Materials Chemistry A, 2019, 7, 13012-13018.	10.3	24
63	Impact of Na₂MoO₄ nanolayers autogenously formed on tunnel-type Na_{0.44}MnO₂. Journal of Materials Chemistry A, 2019, 7, 13522-13530.	10.3	23
64	Hollanditeâ€Type VO_{1.75}(OH)_{0.5}: Effective Sodium Storage for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1900603.	19.5	16
65	Efficient recycling of valuable resources from discarded lithium-ion batteries. Journal of Power Sources, 2019, 426, 259-265.	7.8	67
66	K0.54[Co0.5Mn0.5]O2: New cathode with high power capability for potassium-ion batteries. Nano Energy, 2019, 61, 284-294.	16.0	120
67	Exceptionally highly stable cycling performance and facile oxygen-redox of manganese-based cathode materials for rechargeable sodium batteries. Nano Energy, 2019, 59, 197-206.	16.0	100
68	Are type 316L stainless steel coin cells stable in nonaqueous carbonate solutions containing NaPF₆ or KPF₆ salt?. Journal of Materials Chemistry A, 2019, 7, 26250-26260.	10.3	8
69	New Insight into Ethylenediaminetetraacetic Acid Tetrasodium Salt as a Sacrificing Sodium Ion Source for Sodium-Deficient Cathode Materials for Full Cells. ACS Applied Materials & Interfaces, 2019, 11, 5957-5965.	8.0	26
70	Layered Ni-rich Cathode Materials. , 2019, , 26-43.		2
71	Quaternary Transition Metal Oxide Layered Framework: O3-Type Na[Ni_{0.32}Fe_{0.13}Co_{0.15}Mn_{0.40}]O₂ Cathode Material for High-Performance Sodium-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 13500-13507.	3.1	39
72	Revisit of layered sodium manganese oxides: achievement of high energy by Ni incorporation. Journal of Materials Chemistry A, 2018, 6, 8558-8567.	10.3	52

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73	Sodiumâ€Ion Batteries: Building Effective Layered Cathode Materials with Longâ€Term Cycling by Modifying the Surface via Sodium Phosphate. Advanced Functional Materials, 2018, 28, 1705968.	14.9	138
74	Bioinspired Surface Layer for the Cathode Material of Highâ€Energyâ€Density Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702942.	19.5	91
75	Exceptional Effect of Benzene in Uniform Carbon Coating of SiO<i>_x</i>Nanocomposite for High-Performance Li-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A1247-A1253.	2.9	10
76	Rocksalt-type metal sulfide anodes for high-rate sodium storage. Journal of Materials Chemistry A, 2018, 6, 6867-6873.	10.3	23
77	Confinement of nanosized tin(IV) oxide particles on rGO sheets and its application to sodium-ion full cells as a high capacity anode material. Journal of Alloys and Compounds, 2018, 731, 339-346.	5.5	11
78	Exceptional effect of glassy lithium fluorophosphate on Mn-rich olivine cathode material for high-performance Li ion batteries. Journal of Power Sources, 2018, 374, 55-60.	7.8	4
79	Recent Progress in Rechargeable Potassium Batteries. Advanced Functional Materials, 2018, 28, 1802938.	14.9	518
80	Unraveling the Role of Earth-Abundant Fe in the Suppression of Jahnâ€"Teller Distortion of Pâ€²2-Type Na_{2/3}MnO₂: Experimental and Theoretical Studies. ACS Applied Materials & Interfaces, 2018, 10, 40978-40984.	8.0	49
81	Present and Future Perspective on Electrode Materials for Rechargeable Zinc-Ion Batteries. ACS Energy Letters, 2018, 3, 2620-2640.	17.4	676
82	Conversion Chemistry of Cobalt Oxalate for Sodium Storage. ACS Applied Materials & Interfaces, 2018, 10, 40523-40530.	8.0	10
83	Open-Structured Vanadium Dioxide as an Intercalation Host for Zn Ions: Investigation by First-Principles Calculation and Experiments. Chemistry of Materials, 2018, 30, 6777-6787.	6.7	111
84	Highly enhancement of the SiO nanocomposite through Ti-doping and carbon-coating for high-performance Li-ion battery. Journal of Power Sources, 2018, 400, 613-620.	7.8	51
85	A mini-review on the development of Si-based thin film anodes for Li-ion batteries. Materials Today Energy, 2018, 9, 49-66.	4.7	92
86	Role of the Mn substituent in Na₃V₂(PO₄)₃ for high-rate sodium storage. Journal of Materials Chemistry A, 2018, 6, 16627-16637.	10.3	58
87	Development of P3-K_{0.69}CrO₂ as an ultra-high-performance cathode material for K-ion batteries. Energy and Environmental Science, 2018, 11, 2821-2827.	30.8	157
88	Unexpectedly high electrochemical performances of a monoclinic Na_{2.4}V₂(PO₄)₃/conductive polymer composite for Na-ion batteries. Journal of Materials Chemistry A, 2018, 6, 17571-17578.	10.3	19
89	Marcasite iron sulfide as a high-capacity electrode material for sodium storage. Journal of Materials Chemistry A, 2018, 6, 17111-17119.	10.3	26
90	Cathode Materials for Future Electric Vehicles and Energy Storage Systems. ACS Energy Letters, 2017, 2, 703-708.	17.4	95

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91	Hollandite-type Al-doped VO_{1.52}(OH)_{0.77} as a zinc ion insertion host material. Journal of Materials Chemistry A, 2017, 5, 8367-8375.	10.3	123
92	Effect of carbon-sulphur bond in a sulphur/dehydrogenated polyacrylonitrile/reduced graphene oxide composite cathode for lithium-sulphur batteries. Journal of Power Sources, 2017, 355, 140-146.	7.8	29
93	Structural Stability of LiNiO₂ Cycled above 4.2 V. ACS Energy Letters, 2017, 2, 1150-1155.	17.4	292
94	Graphene Decorated by Indium Sulfide Nanoparticles as High-Performance Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 23723-23730.	8.0	48
95	Sodium-ion batteries: present and future. Chemical Society Reviews, 2017, 46, 3529-3614.	38.1	3,436
96	Nickel-Rich Layered Cathode Materials for Automotive Lithium-Ion Batteries: Achievements and Perspectives. ACS Energy Letters, 2017, 2, 196-223.	17.4	1,033
97	Effect of Mn in Li₃V_{2â€“<i>x</i>}Mn_{<i>x</i>}(PO₄)₃ as High Capacity Cathodes for Lithium Batteries. ACS Applied Materials & Interfaces, 2017, 9, 40307-40316.	8.0	30
98	Development of a new alluaudite-based cathode material with high power and long cyclability for application in Na ion batteries in real-life. Journal of Materials Chemistry A, 2017, 5, 22334-22340.	10.3	20
99	Tunnel-type Î²-FeOOH cathode material for high rate sodium storage via a new conversion reaction. Nano Energy, 2017, 41, 687-696.	16.0	41
100	Resolving the degradation pathways of the O3-type layered oxide cathode surface through the nano-scale aluminum oxide coating for high-energy density sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 23671-23680.	10.3	107
101	Synthesis and Electrochemical Reaction of Tin Oxalate-Reduced Graphene Oxide Composite Anode for Rechargeable Lithium Batteries. ACS Applied Materials & Interfaces, 2017, 9, 25941-25951.	8.0	35
102	Extending the Battery Life Using an Al-Doped Li[Ni_{0.76}Co_{0.09}Mn_{0.15}]O₂ Cathode with Concentration Gradients for Lithium Ion Batteries. ACS Energy Letters, 2017, 2, 1848-1854.	17.4	162
103	Nickelâ€Rich and Lithiumâ€Rich Layered Oxide Cathodes: Progress and Perspectives. Advanced Energy Materials, 2016, 6, 1501010.	19.5	946
104	High-energy-density lithium-ion battery using a carbon-nanotubeâ€“Si composite anode and a compositionally graded Li[Ni_{0.85}Co_{0.05}Mn_{0.10}]O₂ cathode. Energy and Environmental Science, 2016, 9, 2152-2158.	30.8	269
105	Effect of nickel and iron on structural and electrochemical properties of O3 type layer cathode materials for sodium-ion batteries. Journal of Power Sources, 2016, 324, 106-112.	7.8	58
106	Synthesis of LiVOPO₄ by Emulsion Drying Method for Use as an Anode Material for Rechargeable Lithium Batteries. ACS Applied Materials & Interfaces, 2016, 8, 25856-25862.	8.0	7
107	Stability of type 310S stainless steel bipolar plates tested at various current densities in proton exchange membrane fuel cells. Electrochimica Acta, 2016, 211, 754-760.	5.2	19
108	Novel Cathode Materials for Naâ€Ion Batteries Composed of Spokeâ€Like Nanorods of Na[Ni_{0.61}Co_{0.12}Mn_{0.27}]O₂ Assembled in Spherical Secondary Particles. Advanced Functional Materials, 2016, 26, 8083-8093.	14.9	78

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109	Vanadium dioxide â€“ Reduced graphene oxide composite as cathode materials for rechargeable Li and Na batteries. Journal of Power Sources, 2016, 326, 522-532.	7.8	45
110	Compositionally Graded Cathode Material with Longâ€‘Term Cycling Stability for Electric Vehicles Application. Advanced Energy Materials, 2016, 6, 1601417.	19.5	137
111	Comparative Study of Ni-Rich Layered Cathodes for Rechargeable Lithium Batteries: Li[Ni_{0.85}Co_{0.11}Al_{0.04}]O₂ and Li[Ni_{0.84}Co_{0.06}Mn_{0.09}Al_{0.01}]O₂ with Two-Step Full Concentration Gradients. ACS Energy Letters, 2016, 1, 283-289.	17.4	110
112	Nickel oxalate dihydrate nanorods attached to reduced graphene oxide sheets as a high-capacity anode for rechargeable lithium batteries. NPG Asia Materials, 2016, 8, e270-e270.	7.9	53
113	Re-heating effect of Ni-rich cathode material on structure and electrochemical properties. Journal of Power Sources, 2016, 313, 1-8.	7.8	65
114	Surface coating effect on thermal properties of delithiated lithium nickel manganese layer oxide. Journal of Power Sources, 2015, 282, 511-519.	7.8	12
115	Carbothermal synthesis of molybdenum(IV) oxide as a high rate anode for rechargeable lithium batteries. Journal of Power Sources, 2015, 280, 1-4.	7.8	16
116	Carbon-coated anatase titania as a high rate anode for lithium batteries. Journal of Power Sources, 2015, 281, 362-369.	7.8	23
117	Carbon-coated Li4Ti5O12 nanowires showing high rate capability as an anode material for rechargeable sodium batteries. Nano Energy, 2015, 12, 725-734.	16.0	109
118	Nanostructured cathode materials for rechargeable lithium batteries. Journal of Power Sources, 2015, 283, 219-236.	7.8	97
119	Ultrafast sodium storage in anatase TiO2 nanoparticles embedded on carbon nanotubes. Nano Energy, 2015, 16, 218-226.	16.0	128
120	A new synthetic method of titanium oxyfluoride and its application as an anode material for rechargeable lithium batteries. Journal of Power Sources, 2015, 288, 376-383.	7.8	18
121	Radially aligned hierarchical columnar structure as a cathode material for high energy density sodium-ion batteries. Nature Communications, 2015, 6, 6865.	12.8	210
122	NaCrO₂ cathode for high-rate sodium-ion batteries. Energy and Environmental Science, 2015, 8, 2019-2026.	30.8	307
123	Effect of titanium addition as nickel oxide formation inhibitor in nickel-rich cathode material for lithium-ion batteries. Journal of Power Sources, 2015, 299, 425-433.	7.8	54
124	Effect of Lithium in Transition Metal Layers of Ni-Rich Cathode Materials on Electrochemical Properties. Journal of the Electrochemical Society, 2015, 162, A2313-A2318.	2.9	16
125	An effective method to reduce residual lithium compounds on Ni-rich Li[Ni0.6Co0.2Mn0.2]O2 active material using a phosphoric acid derived Li3PO4 nanolayer. Nano Research, 2015, 8, 1464-1479.	10.4	304
126	Thermal properties of fully delithiated olivines. Journal of Power Sources, 2014, 256, 479-484.	7.8	11

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127	Progress in High-Capacity Coreâ€“Shell Cathode Materials for Rechargeable Lithium Batteries. Journal of Physical Chemistry Letters, 2014, 5, 671-679.	4.6	57
128	Anatase Titania Nanorods as an Intercalation Anode Material for Rechargeable Sodium Batteries. Nano Letters, 2014, 14, 416-422.	9.1	422
129	Effect of Residual Lithium Compounds on Layer Ni-Rich Li[Ni_{0.7}Mn_{0.3}]O₂. Journal of the Electrochemical Society, 2014, 161, A920-A926.	2.9	267
130	Electrochemical Properties of Polyaniline-Coated Li-Rich Nickel Manganese Oxide and Role of Polyaniline Coating Layer. Journal of the Electrochemical Society, 2014, 161, A142-A148.	2.9	31
131	Optimization of Layered Cathode Material with Full Concentration Gradient for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2014, 118, 175-182.	3.1	37
132	Nanorod and Nanoparticle Shells in Concentration Gradient Coreâ€“Shell Lithium Oxides for Rechargeable Lithium Batteries. ChemSusChem, 2014, 7, 3295-3303.	6.8	18
133	High Capacity O3-Type Na[Li_{0.05}(Ni_{0.25}Fe_{0.25}Mn_{0.5})_{0.95}]O₂ Cathode for Sodium Ion Batteries. Chemistry of Materials, 2014, 26, 6165-6171.	6.7	175
134	High-Energy Layered Oxide Cathodes with Thin Shells for Improved Surface Stability. Chemistry of Materials, 2014, 26, 5973-5979.	6.7	41
135	Electrochemical stability of aluminum current collector in alkyl carbonate electrolytes containing lithium bis(pentafluoroethylsulfonyl)imide for lithium-ion batteries. Journal of Power Sources, 2014, 271, 167-173.	7.8	14
136	Carbon-Coated Magnetite Embedded on Carbon Nanotubes for Rechargeable Lithium and Sodium Batteries. ACS Applied Materials & Interfaces, 2014, 6, 11749-11757.	8.0	63
137	Low Temperature Electrochemical Properties of Li[NixCoyMn1-x-y]O2Cathode Materials for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2014, 161, A1514-A1520.	2.9	27
138	Performance improvement of liquid phase plasma processed carbon blacks electrode in lithium ion battery applications. International Journal of Precision Engineering and Manufacturing, 2014, 15, 1689-1693.	2.2	3
139	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.	9.1	283
140	Effect of Water on the Performance of Carbon Blacks Anode Material Processed by Plasma in the Benzene Solution. Science of Advanced Materials, 2014, 6, 1594-1598.	0.7	1
141	Formation of a Continuous Solidâ€Solution Particle and its Application to Rechargeable Lithium Batteries. Advanced Functional Materials, 2013, 23, 1028-1036.	14.9	39
142	Black anatase titania enabling ultra high cycling rates for rechargeable lithium batteries. Energy and Environmental Science, 2013, 6, 2609.	30.8	221
143	Cobalt-Free Nickel Rich Layered Oxide Cathodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 11434-11440.	8.0	236
144	Electrochemical properties of the TiO2(B) powders ball mill treated for lithium-ion battery application. Chemistry Central Journal, 2013, 7, 174.	2.6	9

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145	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.	2.8	88
146	Iron trifluoride synthesized via evaporation method and its application to rechargeable lithium batteries. Journal of Power Sources, 2013, 223, 1-8.	7.8	48
147	Preparation of Carbon Blacks by Liquid Phase Plasma (LPP) Process. Journal of Nanoscience and Nanotechnology, 2013, 13, 7381-7385.	0.9	13
148	Effect of anatase phase on electrochemical properties of the TiO2(B) negative electrode for lithium-ion battery application. Current Applied Physics, 2013, 13, S148-S151.	2.4	9
149	Microstructural Effect of Carbon Blacks for the Application in Lithium Ion Batteries. Japanese Journal of Applied Physics, 2013, 52, 11NM01.	1.5	7
150	Surface Properties of Stainless Steel Cathodically Treated in Nitrate Solution and its Application to PEFC Bipolar Plates. Zairyo To Kankyo/ Corrosion Engineering, 2013, 62, 439-442.	0.2	3
151	Nanostructured high-energy cathode materials for advanced lithium batteries. Nature Materials, 2012, 11, 942-947.	27.5	921
152	Reversible NaFePO4 electrode for sodium secondary batteries. Electrochemistry Communications, 2012, 22, 149-152.	4.7	350
153	Olivine LiCoPO4â€“carbon composite showing high rechargeable capacity. Journal of Materials Chemistry, 2012, 22, 14932.	6.7	53
154	High voltage retainable Ni-saving high nitrogen stainless steel bipolar plates for proton exchange membrane fuel cells: Phenomena and mechanism. Journal of Power Sources, 2012, 202, 92-99.	7.8	14
155	Direct observation of the passive layer on high nitrogen stainless steel used as bipolar plates for proton exchange membrane fuel cells. Journal of Power Sources, 2012, 210, 92-95.	7.8	12
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