

Kyung-Yoon Chung

List of Publications by Year in descending order

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233
papers

13,760
citations

20817

60
h-index

26613

107
g-index

242
all docs

242
docs citations

242
times ranked

12559
citing authors

#	ARTICLE	IF	CITATIONS
1	High-energy-density carbon-coated bismuth nanodots on hierarchically porous molybdenum carbide for superior lithium storage. <i>Chemical Engineering Journal</i> , 2022, 432, 134276.	12.7	7
2	Sulfur-doped molybdenum phosphide as fast dis/charging anode for Li-ion and Na-ion batteries. <i>International Journal of Energy Research</i> , 2022, 46, 8452-8463.	4.5	7
3	Facilitating sustainable oxygen-redox chemistry for P3-type cathode materials for sodium-ion batteries. <i>Energy Storage Materials</i> , 2022, 46, 329-343.	18.0	11
4	Hierarchical core-shell Ni-Co-Cu-Pd alloys for efficient formic acid oxidation reaction with high mass activity. <i>Applied Surface Science</i> , 2022, 585, 152694.	6.1	3
5	Facile Method for the Formation of Intimate Interfaces in Sulfide-Based All-Solid-State Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9242-9248.	8.0	14
6	RT-XAMF and TR-XRD studies of solid-state synthesis and thermal stability of NaNiO ₂ as cathode material for sodium-ion batteries. <i>Ceramics International</i> , 2022, 48, 19675-19680.	4.8	5
7	Metastable hexagonal close-packed palladium hydride in liquid cell TEM. <i>Nature</i> , 2022, 603, 631-636.	27.8	31
8	Self-standing Co _{2.4} Sn _{0.6} O ₄ nano rods as high performance anode materials for sodium-ion battery and investigation on its reaction mechanism. <i>Chemical Engineering Journal</i> , 2022, 439, 135791.	12.7	4
9	Investigating the energy storage performance of the $\langle \text{scp} \rangle \text{ZnMn}_{2} \text{O}_{4} \langle /scp \rangle$ anode for its potential application in lithium-ion batteries. <i>International Journal of Energy Research</i> , 2022, 46, 6444-6456.	4.5	5
10	Lithium Argyrodite Sulfide Electrolytes with High Ionic Conductivity and Air Stability for All-Solid-State Li-Ion Batteries. <i>ACS Energy Letters</i> , 2022, 7, 171-179.	17.4	61
11	Enabling 100C Fast-Charging Bulk Bi Anodes for Na-ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2201446.	21.0	29
12	Li ₆ PS ₅ Cl-based composite electrolyte reinforced with high-strength polyester fibers for all-solid-state lithium batteries. <i>Journal of Power Sources</i> , 2022, 542, 231777.	7.8	10
13	Effect of optimum current-collector design on electrochemical performance of Mg-air primary batteries for large-scale energy storage. <i>International Journal of Energy Research</i> , 2022, 46, 15837-15849.	4.5	1
14	Polydopamine-assisted coating layer of a fast Li-ion conductor Li _{6.25} La ₃ Zr ₂ Al _{0.25} O ₁₂ on Ni-rich cathodes for Li-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 450, 137939.	12.7	8
15	Multiple effects of Mg _{1-x} Ni _x O coating on P2-type Na _{0.67} Ni _{0.33} Mn _{0.67} O ₂ to generate highly stable cathodes for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157294.	5.5	18
16	Quantitative determination of lithium depletion during rapid cycling in sulfide-based all-solid-state batteries. <i>Chemical Communications</i> , 2021, 57, 3453-3456.	4.1	11
17	Pulsed Laser Confinement of Single Atomic Catalysts on Carbon Nanotube Matrix for Enhanced Oxygen Evolution Reaction. <i>ACS Nano</i> , 2021, 15, 4416-4428.	14.6	29
18	An unexpected phase-transformation of cobalt-vanadium layered double hydroxides toward high energy density hybrid supercapacitor. <i>Journal of Power Sources</i> , 2021, 486, 229341.	7.8	25

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19	Controlling Vanadate Nanofiber Interlayer via Intercalation with Conducting Polymers: Cathode Material Design for Rechargeable Aqueous Zinc Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2100005.	14.9	60
20	Highly Stable Zero-Stain Na ₂ MoO ₄ /C Nanocomposite Anode for Long Life Na-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 4638-4645.	5.1	1
21	Ultra-fast and efficient calcium co-intercalation host enabled by hierarchically 3D porous carbon nanotemplates. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 96, 397-403.	5.8	0
22	Electrochemical storage behavior of NiCo ₂ O ₄ nanoparticles anode with structural and morphological evolution in lithium-ion and sodium-ion batteries. <i>International Journal of Energy Research</i> , 2021, 45, 15036-15048.	4.5	10
23	Material Design Strategy for Halide Solid Electrolytes Li ₃ MX ₆ (X = Cl, Br, and I). <i>Journal of Materials Chemistry A</i> , 2021, 9, 10784-10792.	6.7	62
24	Amorphous Nickel-Iron Borophosphate for a Robust and Efficient Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2021, 11, 2100624.	19.5	120
25	CNTs embedded in layered Zn-doped Co ₃ O ₄ nano-architectures as an efficient hybrid anode material for SIBs. <i>Journal of Alloys and Compounds</i> , 2021, 867, 158730.	5.5	15
26	Synthesis of Monocarboxylic Acids via Direct CO ₂ Conversion over Ni-Zn Intermetallic Catalysts. <i>ACS Catalysis</i> , 2021, 11, 8382-8398.	11.2	35
27	Porous Lithiophilic Li-Si Alloy-Type Interfacial Framework via Self-Discharge Mechanism for Stable Lithium Metal Anode with Superior Rate. <i>Advanced Energy Materials</i> , 2021, 11, 2101544.	19.5	56
28	Anionic three-dimensional porous aromatic framework for fast Li-ion conduction. <i>Chemical Engineering Journal</i> , 2021, 424, 130527.	12.7	6
29	Artificial cathode electrolyte interphase by functional additives toward long-life sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 425, 130547.	12.7	32
30	Superionic Si-Substituted Lithium Argyrodite Sulfide Electrolyte Li ₆ Sb _{1-x} Si _x S ₅ I for All-Solid-State Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 120-128.	6.7	48
31	Stabilizing oxygen intermediates on redox-flexible active sites in multimetallic Ni-Fe-Al-Co layered double hydroxide anodes for excellent alkaline and seawater electrolysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27332-27346.	10.3	33
32	Porous Lithiophilic Li-Si Alloy-Type Interfacial Framework via Self-Discharge Mechanism for Stable Lithium Metal Anode with Superior Rate (Adv. Energy Mater. 37/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170146.	19.5	2
33	A review of challenges and issues concerning interfaces for all-solid-state batteries. <i>Energy Storage Materials</i> , 2020, 25, 224-250.	18.0	139
34	In-Depth TEM Investigation on Structural Inhomogeneity within a Primary Li _x Ni _{0.835} Co _{0.15} Al _{0.015} O ₂ Particle: Origin of Capacity Decay during High-Rate Discharge. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2385-2391.	13.8	16
35	In-Depth TEM Investigation on Structural Inhomogeneity within a Primary Li _x Ni _{0.835} Co _{0.15} Al _{0.015} O ₂ Particle: Origin of Capacity Decay during High-Rate Discharge. <i>Angewandte Chemie</i> , 2020, 132, 2406-2412.	2.0	4
36	Polyol-mediated carbon-coated Li ₄ Ti ₅ O ₁₂ nanoparticle/graphene composites with long-term cycling stability for lithium and sodium ion storages. <i>Chemical Engineering Journal</i> , 2020, 385, 123984.	12.7	32

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37	Nano/Microstructured Silicon-Carbon Hybrid Composite Particles Fabricated with Corn Starch Biowaste as Anode Materials for Li-Ion Batteries. <i>Nano Letters</i> , 2020, 20, 625-635.	9.1	164
38	Revealing the Sodium Storage Mechanism in High-Temperature-Synthesized Silicon Oxycarbides. <i>Chemistry of Materials</i> , 2020, 32, 410-423.	6.7	21
39	Different thermal degradation mechanisms: Role of aluminum in Ni-rich layered cathode materials. <i>Nano Energy</i> , 2020, 78, 105367.	16.0	27
40	Entangled reduced graphene oxide nanosheets as an insertion anode with large interlayer spacing for high rate Na-ion batteries. <i>Ceramics International</i> , 2020, 46, 27711-27716.	4.8	10
41	Dual-Phase Engineering of Nickel Boride-Hydroxide Nanoparticles toward High-Performance Water Oxidation Electrocatalysts. <i>Advanced Functional Materials</i> , 2020, 30, 2004330.	14.9	44
42	NaFeSnO ₄ : Tunnel structured anode material for rechargeable sodium-ion batteries. <i>Electrochemistry Communications</i> , 2020, 121, 106873.	4.7	10
43	Elucidation of the role of lithium iodide as an additive for the liquid-based synthesis of Li ₇ P ₂ S ₈ I solid electrolyte. <i>International Journal of Energy Research</i> , 2020, 44, 11542-11549.	4.5	3
44	Binder-assisted electrostatic spray deposition of LiCoO ₂ and graphite films on coplanar interdigitated electrodes for flexible/wearable lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 472, 228573.	7.8	7
45	A high voltage Li-ion full-cell battery with MnCo ₂ O ₄ /LiCoPO ₄ electrodes. <i>Ceramics International</i> , 2020, 46, 26147-26155.	4.8	10
46	Boosting oxygen evolution reaction of transition metal layered double hydroxide by metalloid incorporation. <i>Nano Energy</i> , 2020, 75, 104945.	16.0	47
47	A systematic approach to achieve high energy density hybrid supercapacitors based on Ni-Co-Fe hydroxide. <i>Electrochimica Acta</i> , 2020, 353, 136578.	5.2	22
48	Superionic Halogen-Rich Li-Argyrodites Using In Situ Nanocrystal Nucleation and Rapid Crystal Growth. <i>Nano Letters</i> , 2020, 20, 2303-2309.	9.1	75
49	Theoretical Design of Lithium Chloride Superionic Conductors for All-Solid-State High-Voltage Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34806-34814.	8.0	68
50	Nanoporous nitrogen doped carbons with enhanced capacity for sodium ion battery anodes. <i>Energy Storage Materials</i> , 2020, 28, 101-111.	18.0	43
51	Frontispiece: In-Depth TEM Investigation on Structural Inhomogeneity within a Primary Li _x Ni _{0.835} Co _{0.15} Al _{0.015} O ₂ Particle: Origin of Capacity Decay during High-Rate Discharge. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	13.8	0
52	Stretchable Lithium-Ion Battery Based on Re-entrant Micro-honeycomb Electrodes and Cross-Linked Gel Electrolyte. <i>ACS Nano</i> , 2020, 14, 3660-3668.	14.6	74
53	High-rate lithium storage and kinetic investigations of a cubic Mn ₂ SnO ₄ @Carbon nanotube composite anode. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153789.	5.5	8
54	One-pot synthesis of Bi-reduced graphene oxide composite using supercritical acetone as anode for Na-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 387, 124111.	12.7	27

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55	Ecofriendly Chemical Activation of Overlithiated Layered Oxides by DNA-Wrapped Carbon Nanotubes. <i>Advanced Energy Materials</i> , 2020, 10, 1903658.	19.5	5
56	Effect of the interfacial protective layer on the NaFe _{0.5} Ni _{0.5} O ₂ cathode for rechargeable sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13964-13970.	10.3	19
57	Frontispiz: In-Depth TEM Investigation on Structural Inhomogeneity within a Primary Li _x Ni _{0.835} Co _{0.15} Al _{0.015} O ₂ Particle: Origin of Capacity Decay during High-Rate Discharge. <i>Angewandte Chemie</i> , 2020, 132, .	2.0	0
58	Using In-Situ Methods to Characterize Phase Changes in Charged Lithium Nickel Cobalt Aluminum Oxide Cathode Materials. <i>Microscopy and Microanalysis</i> , 2019, 25, 2030-2031.	0.4	2
59	Exceptionally Reversible Li-/Na-Ion Storage and Ultrastable Solid-Electrolyte Interphase in Layered GeP ₅ Anode. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32815-32825.	8.0	28
60	O ₃ -type layer-structured Na _{0.8} [Ni _{1/5} Fe _{1/5} Co _{1/5} Mn _{1/5} Ti _{1/5}]O ₂ as long life and high power cathode material for sodium-ion batteries. <i>Ceramics International</i> , 2019, 45, 23164-23171.	4.8	19
61	Electrochemically Induced Metallization of NaCl: Use of the Main Component of Salt as a Cost-Effective Electrode Material for Sodium-Ion Batteries. <i>ACS Energy Letters</i> , 2019, 4, 2060-2068.	17.4	11
62	Presodiation Strategies and Their Effect on Electrode-Electrolyte Interphases for High-Performance Electrodes for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41394-41401.	8.0	58
63	Cu ₂ O/Cu ₂ Se Mixed-Phase Nanoflake Arrays: pH-Universal Hydrogen Evolution Reactions with Ultralow Overpotential. <i>ChemElectroChem</i> , 2019, 6, 5014-5021.	3.4	8
64	Unveiling the mechanism of sodium ion storage for needle-shaped Zn _x Co _{3-x} O ₄ nanosticks as anode materials. <i>Nanoscale</i> , 2019, 11, 1065-1073.	5.6	14
65	Electrochemically activated cobalt nickel sulfide for an efficient oxygen evolution reaction: partial amorphization and phase control. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3592-3602.	10.3	81
66	Carbon-free Mn-doped LiFePO ₄ cathode for highly transparent thin-film batteries. <i>Journal of Power Sources</i> , 2019, 434, 226713.	7.8	29
67	Elucidating the performance-limiting electrode for all-vanadium redox flow batteries through in-depth physical and electrochemical analyses. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 450-460.	5.8	13
68	Advantageous crystalline-amorphous phase boundary for enhanced electrochemical water oxidation. <i>Energy and Environmental Science</i> , 2019, 12, 2443-2454.	30.8	315
69	Anionic Redox Activity as a Key Factor in the Performance Degradation of NaFeO ₂ Cathodes for Sodium Ion Batteries. <i>Chemistry of Materials</i> , 2019, 31, 3644-3651.	6.7	64
70	Determination of lithium diffusion coefficient and reaction mechanism into ultra-small nanocrystalline SnO ₂ particles. <i>Journal of Power Sources</i> , 2019, 419, 229-236.	7.8	33
71	MnO _x -Carbon Black-embedded LiFePO ₄ (MnO _x /C-LFP) as a Cathode Material for High-Power Li-Ion Batteries. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 317-323.	1.9	5
72	Revisiting NaTi ₂ (PO ₄) ₃ /nanocarbon composites prepared using nanocarbons with different dimensions for high-rate sodium-ion batteries: The surface properties of nanocarbons. <i>Journal of Alloys and Compounds</i> , 2019, 787, 728-737.	5.5	7

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73	Tomographical analysis of electrochemical lithiation and delithiation of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathodes in all-solid-state batteries. <i>Scripta Materialia</i> , 2019, 165, 10-14.	5.2	16
74	Kinetic and Electrochemical Reaction Mechanism Investigations of Rodlike CoMoO ₄ Anode Material for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3843-3851.	8.0	38
75	Atomistic Assessments of Lithium-Ion Conduction Behavior in Glass-Ceramic Lithium Thiophosphates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13-18.	8.0	20
76	Electrochemical Mechanism Investigation of Cu ₂ MoS ₄ Hollow Nanospheres for Fast and Stable Sodium Ion Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1807753.	14.9	72
77	Revealing sodium ion storage mechanism in hard carbon. <i>Carbon</i> , 2019, 145, 67-81.	10.3	185
78	High-performance sodium hybrid capacitor enabled by presodiated Li ₄ Ti ₅ O ₁₂ . <i>Journal of Power Sources</i> , 2019, 409, 48-57.	7.8	14
79	Improved performance of dual-conducting polymer-coated sulfur composite with high sulfur utilization for lithium-sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2018, 742, 868-876.	5.5	29
80	Strong, persistent superficial oxidation-assisted chemical bonding of black phosphorus with multiwall carbon nanotubes for high-capacity ultradurable storage of lithium and sodium. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10121-10134.	10.3	71
81	Parallelized Reaction Pathway and Stronger Internal Band Bending by Partial Oxidation of Metal Sulfide-Graphene Composites: Important Factors of Synergistic Oxygen Evolution Reaction Enhancement. <i>ACS Catalysis</i> , 2018, 8, 4091-4102.	11.2	116
82	Design of a porous gel polymer electrolyte for sodium ion batteries. <i>Journal of Membrane Science</i> , 2018, 566, 122-128.	8.2	43
83	Probing the Sodium Insertion/Extraction Mechanism in a Layered NaVO ₃ Anode Material. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18717-18725.	8.0	33
84	A 4â€¦V Li-Ion Battery using All-â€¦Spinel-Based Electrodes. <i>ChemSusChem</i> , 2018, 11, 2165-2170.	6.8	10
85	Enhancing the performance of all-vanadium redox flow batteries by decorating carbon felt electrodes with SnO ₂ nanoparticles. <i>Applied Energy</i> , 2018, 229, 910-921.	10.1	76
86	Reduced graphene oxide as a stable and high-capacity cathode material for Na-ion batteries. <i>Scientific Reports</i> , 2017, 7, 40910.	3.3	49
87	Effect of 1-allyl-1-methylpyrrolidinium chloride addition to ethylmagnesium bromide electrolyte on a rechargeable magnesium battery. <i>Electrochimica Acta</i> , 2017, 231, 379-385.	5.2	13
88	Lithium intercalation mechanism into FeF ₃ ·0.5H ₂ O as a highly stable composite cathode material. <i>Scientific Reports</i> , 2017, 7, 42237.	3.3	24
89	One-pot route for uniform anchoring of TiO ₂ nanoparticles on reduced graphene oxides and their anode performance for lithium-ion batteries. <i>Journal of Supercritical Fluids</i> , 2017, 125, 66-78.	3.2	27
90	Cobalt-doped pyrochlore-structured iron fluoride as a highly stable cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 238, 49-55.	5.2	35

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91	P2 Orthorhombic $\text{Na}_{0.7}[\text{Mn}^{\text{IV}}\text{Li}]_2\text{O}_{2+y}$ as Cathode Materials for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 14758-14768.	8.0	52
92	Study on the Electrochemical Reaction Mechanism of NiFe_2O_4 as a High-Performance Anode for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 14833-14843.	8.0	92
93	Investigation of Thermal Stability of P_2NaCoO_2 Cathode Materials for Sodium Ion Batteries Using Real-Time Electron Microscopy. ACS Applied Materials & Interfaces, 2017, 9, 18883-18888.	8.0	48
94	Systematic Investigation into $\text{Mg}^{2+}/\text{Li}^{+}$ Dual-Cation Transport in Chevrel Phases Using Computational and Experimental Approaches. Journal of Physical Chemistry C, 2017, 121, 12617-12623.	3.1	14
95	Li_3PO_4 surface coating on Ni-rich $\text{LiNi}_0.6\text{Co}_0.2\text{Mn}_0.2\text{O}_2$ by a citric acid assisted sol-gel method: Improved thermal stability and high-voltage performance. Journal of Power Sources, 2017, 360, 206-214.	7.8	210
96	Reversible crystalline-amorphous phase transformation in Si nanosheets with lithi-/delithiation. Nanotechnology, 2017, 28, 255401.	2.6	16
97	Understanding the Critical Role of the Ag Nanophase in Boosting the Initial Reversibility of Transition Metal Oxide Anodes for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 21715-21722.	8.0	10
98	Superior shuttling of lithium and sodium ions in manganese-doped titania @ functionalized multiwall carbon nanotube anodes. Nanoscale, 2017, 9, 9859-9871.	5.6	33
99	Lattice Water for the Enhanced Performance of Amorphous Iron Phosphate in Sodium-Ion Batteries. ACS Energy Letters, 2017, 2, 998-1004.	17.4	45
100	Electronic structural studies on the improved thermal stability of $\text{Li}(\text{Ni}_0.8\text{Co}_0.15\text{Al}_0.05)\text{O}_2$ by ZrO_2 coating for lithium ion batteries. Journal of Applied Electrochemistry, 2017, 47, 565-572.	2.9	9
101	Stabilized Octahedral Frameworks in Layered Double Hydroxides by Solid-Solution Mixing of Transition Metals. Advanced Functional Materials, 2017, 27, 1605225.	14.9	58
102	Honeycomb-layer structured $\text{Na}_3\text{Ni}_2\text{BiO}_6$ as a high voltage and long life cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 1300-1310.	10.3	67
103	Elucidating the reaction mechanism of $\text{SnF}_2@\text{C}$ nanocomposite as a high-capacity anode material for Na-ion batteries. Nano Energy, 2017, 42, 106-114.	16.0	41
104	Improving the sodium storage capacity of tunnel structured $\text{Na}_x\text{Fe}_x\text{Ti}_{2-x}\text{O}_4$ ($x=1, 0.9$ & 0.8) anode materials by tuning sodium deficiency. Journal of Power Sources, 2017, 366, 115-122.	7.8	21
105	A Structurable Gel-Polymer Electrolyte for Sodium Ion Batteries. Advanced Functional Materials, 2017, 27, 1701768.	14.9	90
106	Nanoscale Zirconium-Abundant Surface Layers on Lithium- and Manganese-Rich Layered Oxides for High-Rate Lithium-Ion Batteries. Nano Letters, 2017, 17, 7869-7877.	9.1	40
107	Structural Evolution of $\text{Li}_x\text{Ni}_y\text{Mn}_z\text{Co}_{1-y-z}\text{O}_2$ Cathode Materials during High-Rate Charge and Discharge. Journal of Physical Chemistry Letters, 2017, 8, 5758-5763.	4.6	27
108	Achieving high capacity and rate capability in layered lithium transition metal oxide cathodes for lithium-ion batteries. Journal of Power Sources, 2017, 360, 575-584.	7.8	20

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109	Hierarchical MnCo-layered double hydroxides@Ni(OH) ₂ core-shell heterostructures as advanced electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1043-1049.	10.3	296
110	Anatase TiO ₂ -reduced graphene oxide nanostructures with high-rate sodium storage performance. <i>Journal of Alloys and Compounds</i> , 2017, 690, 390-396.	5.5	26
111	Metal-Organic Framework Cathodes Based on a Vanadium Hexacyanoferrate Prussian Blue Analogue for High-Performance Aqueous Rechargeable Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1601491.	19.5	140
112	A chemically bonded NaTi ₂ (PO ₄) ₃ /rGO microsphere composite as a high-rate insertion anode for sodium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17506-17516.	10.3	80
113	Determination of the mechanism and extent of surface degradation in Ni-based cathode materials after repeated electrochemical cycling. <i>APL Materials</i> , 2016, 4, .	5.1	24
114	Investigation on the Structural Evolutions during the Insertion of Aluminum Ions into Mo ₆ S ₈ Chevreil Phase. <i>Journal of the Electrochemical Society</i> , 2016, 163, A1070-A1076.	2.9	63
115	Electrochemical Investigations on TiO ₂ -B Nanowires as a Promising High Capacity Anode for Sodium-ion Batteries. <i>Electrochimica Acta</i> , 2016, 200, 21-28.	5.2	47
116	Controlled pore evolution during phase inversion from the combinatorial non-solvent approach: application to battery separators. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9496-9501.	10.3	33
117	A conditioning-free magnesium chloride complex electrolyte for rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7160-7164.	10.3	78
118	In situ synthesis of chemically bonded NaTi ₂ (PO ₄) ₃ /rGO 2D nanocomposite for high-rate sodium-ion batteries. <i>Nano Research</i> , 2016, 9, 1844-1855.	10.4	69
119	Vanadium dioxide Reduced graphene oxide composite as cathode materials for rechargeable Li and Na batteries. <i>Journal of Power Sources</i> , 2016, 326, 522-532.	7.8	45
120	PVdF-HFP/exfoliated graphene oxide nanosheet hybrid separators for thermally stable Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 80706-80711.	3.6	24
121	Critical Role of pH Evolution of Electrolyte in the Reaction Mechanism for Rechargeable Zinc Batteries. <i>ChemSusChem</i> , 2016, 9, 2948-2956.	6.8	332
122	Synthesis of Reduced Graphene Oxide-Modified LiMn _{0.75} Fe _{0.25} PO ₄ Microspheres by Salt-Assisted Spray Drying for High-Performance Lithium-Ion Batteries. <i>Scientific Reports</i> , 2016, 6, 26686.	3.3	15
123	Ultrathin and uniform carbon-layer-coated hierarchically porous LiFePO ₄ microspheres and their electrochemical performance. <i>Journal of Supercritical Fluids</i> , 2016, 116, 164-171.	3.2	32
124	Nitrogen-doped Carbon Coated Porous Silicon as High Performance Anode Material for Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2016, 209, 299-307.	5.2	52
125	Polythiophene-Wrapped Olivine NaFePO ₄ as a Cathode for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15422-15429.	8.0	93
126	Scalable fabrication of micron-scale graphene nanomeshes for high-performance supercapacitor applications. <i>Energy and Environmental Science</i> , 2016, 9, 1270-1281.	30.8	122

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127	Probing the Sodiation-Desodiation Reactions in Nano-sized Iron Fluoride Cathode. <i>Electrochimica Acta</i> , 2016, 191, 307-316.	5.2	30
128	Layered-Layered-Spinel Cathode Materials Prepared by a High-Energy Ball-Milling Process for Lithium-ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 363-370.	8.0	20
129	Investigation of the Na Intercalation Mechanism into Nanosized V_2O_5/C Composite Cathode Material for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6032-6039.	8.0	79
130	Hydrogen-enriched porous carbon nanosheets with high sodium storage capacity. <i>Carbon</i> , 2016, 98, 213-220.	10.3	74
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