Shinichi Komaba

List of Publications by Year
in descending order

280 papers	33,417 citations	82 h-index (5558)	178 g-index (3815)
292 all docs	292 docs citations	292 times ranked	16539 citing authors

#	Article	IF	Citations
1	Electrode materials for K-ion batteries. , 2023, , 83-127.		3
2	Na Diffusion in Hard Carbon Studied with Positive Muon Spin Rotation and Relaxation. ACS Physical Chemistry Au, 2022, 2, 98-107.	1.9	7
3	Development of Nonaqueous Electrolytes for High-Voltage K-Ion Batteries. Bulletin of the Chemical Society of Japan, 2022, 95, 569-581.	2.0	14
4	Superconcentrated NaFSAâ€"KFSA Aqueous Electrolytes for 2 V-Class Dual-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 23507-23517.	4.0	7
5	Active material and interphase structures governing performance in sodium and potassium ion batteries. Chemical Science, 2022, 13, 6121-6158.	3.7	41
6	All-Solid-State Potassium Polymer Batteries Enabled by the Effective Pretreatment of Potassium Metal. ACS Energy Letters, 2022, 7, 2244-2246.	8.8	20
7	MgOâ€Template Synthesis of Extremely High Capacity Hard Carbon for Naâ€Ion Battery. Angewandte Chemie - International Edition, 2021, 60, 5114-5120.	7.2	169
8	MgOâ€Template Synthesis of Extremely High Capacity Hard Carbon for Naâ€Ion Battery. Angewandte Chemie, 2021, 133, 5174-5180.	1.6	11
9	A phosphite-based layered framework as a novel positive electrode material for Na-ion batteries. Journal of Materials Chemistry A, 2021, 9, 5045-5052.	5.2	7
10	A vanadium-based oxide-phosphate-pyrophosphate framework as a 4 V electrode material for K-ion batteries. Chemical Science, 2021, 12, 12383-12390.	3.7	10
11	Effect of Particle Size and Anion Vacancy on Electrochemical Potassium Ion Insertion into Potassium Manganese Hexacyanoferrates. ChemSusChem, 2021, 14, 1166-1175.	3.6	31
12	Phase evolution of electrochemically potassium intercalated graphite. Journal of Materials Chemistry A, 2021, 9, 11187-11200.	5.2	27
13	Nanometer-size Na cluster formation in micropore of hard carbon as origin of higher-capacity Na-ion battery. Npj Computational Materials, 2021, 7, .	3.5	39
14	Comparison of Ionic Transport Properties of Non-Aqueous Lithium and Sodium Hexafluorophosphate Electrolytes. Journal of the Electrochemical Society, 2021, 168, 040538.	1.3	24
15	Na3V2O2(PO4)2F3-2 as a stable positive electrode for potassium-ion batteries. Journal of Power Sources, 2021, 493, 229676.	4.0	10
16	Impact of Surface Hydrophilicity of Gas-Diffusion-Type Biocathodes on Their Oxygen Reduction Ability for Biofuel Cells. Journal of the Electrochemical Society, 2021, 168, 074506.	1.3	3
17	Multiâ€Enzymeâ€Modified Bioanode Utilising Starch as a Fuel. ChemElectroChem, 2021, 8, 4199-4206.	1.7	4
18	Effect of Crystallinity of Synthetic Graphite on Electrochemical Potassium Intercalation into Graphite. Electrochemistry, 2021, 89, 433-438.	0.6	5

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19	1,3,2-Dioxathiolane 2,2-Dioxide as an Electrolyte Additive for K-Metal Cells. ACS Energy Letters, 2021, 6, 3643-3649.	8.8	23
20	Design of all-solid-state chloride and nitrate ion-selective electrodes using anion insertion materials of electrodeposited poly(allylamine)-MnO2 composite. Electrochimica Acta, 2021, 389, 138749.	2.6	9
21	Impact of Mg and Ti doping in O3 type NaNi_{1/2}Mn_{1/2}O₂ on reversibility and phase transition during electrochemical Na intercalation. Journal of Materials Chemistry A, 2021, 9, 12830-12844.	5.2	32
22	Multiâ€Enzymeâ€Modified Bioanode Utilising Starch as a Fuel. ChemElectroChem, 2021, 8, 4160.	1.7	0
23	Effect of Substituted Styreneâ€Butadiene Rubber Binders on the Stability of 4.5 Vâ€Charged LiCoO₂ Electrode. ChemElectroChem, 2021, 8, 4345-4352.	1.7	5
24	Enhanced Electrochemical Properties of KTiOPO₄â€“rGO Negative Electrode for Sodium and Potassium Ion Batteries. Journal of Physical Chemistry C, 2021, 125, 24823-24830.	1.5	5
25	La₂Ni_{0.5}Li_{0.5}O₄ Modified Single Polycrystalline Particles of NMC622 for Improved Capacity Retention in High-Voltage Lithium-Ion Batteries. Journal of the Electrochemical Society, 2021, 168, 110505.	1.3	3
26	Structural change induced by electrochemical sodium extraction from layered Oâ€²3-NaMnO₂. Journal of Materials Chemistry A, 2021, 9, 26810-26819.	5.2	10
27	Development of advanced electrolytes in Na-ion batteries: application of the Red Moon method for molecular structure design of the SEI layer. RSC Advances, 2021, 12, 971-984.	1.7	14
28	High-Capacity Hard Carbon Synthesized from Macroporous Phenolic Resin for Sodium-Ion and Potassium-Ion Battery. ACS Applied Energy Materials, 2020, 3, 135-140.	2.5	113
29	Investigation and Improvement of Metallic Aluminum as Alloying Electrode in Non-Aqueous Li Cells. Journal of the Electrochemical Society, 2020, 167, 110513.	1.3	9
30	Elucidating Influence of Mgâ€•and Cuâ€Doping on Electrochemical Properties of O3â€Na<i>_x</i>[Fe,Mn]O₂ for Naâ€Ion Batteries. Small, 2020, 16, e2006483.	5.2	24
31	KFSA/glyme electrolytes for 4 V-class K-ion batteries. Journal of Materials Chemistry A, 2020, 8, 23766-23771.	5.2	26
32	Impact of Newly Developed Styreneâ€“Butadieneâ€“Rubber Binder on the Electrode Performance of High-Voltage LiNi_{0.5}Mn_{1.5}O₄ Electrode. ACS Applied Energy Materials, 2020, 3, 7978-7987.	2.5	22
33	Development of KPF₆/KFSA Binary-Salt Solutions for Long-Life and High-Voltage K-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 34873-34881.	4.0	62
34	Sodium-driven Rechargeable Batteries: An Effort towards Future Energy Storage. Chemistry Letters, 2020, 49, 1507-1516.	0.7	37
35	Application of Ionic Liquid as K-Ion Electrolyte of Graphite//K₂Mn[Fe(CN)₆] Cell. ACS Energy Letters, 2020, 5, 2849-2857.	8.8	51
36	Structural Investigation of Quaternary Layered Oxides upon Na-Ion Deinsertion. Inorganic Chemistry, 2020, 59, 7408-7414.	1.9	9

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37	Application of modified styrene-butadiene-rubber-based latex binder to high-voltage operating LiCoO2 composite electrodes for lithium-ion batteries. Journal of Power Sources, 2020, 468, 228332.	4.0	27
38	Unveiling pseudocapacitive behavior of hard carbon anode materials for sodium-ion batteries. Electrochimica Acta, 2020, 354, 136647.	2.6	50
39	Structural Analysis of Sucrose-Derived Hard Carbon and Correlation with the Electrochemical Properties for Lithium, Sodium, and Potassium Insertion. Chemistry of Materials, 2020, 32, 2961-2977.	3.2	150
40	Research Development on K-Ion Batteries. Chemical Reviews, 2020, 120, 6358-6466.	23.0	804
41	Electrolytes and Interphases in Sodiumâ€Based Rechargeable Batteries: Recent Advances and Perspectives. Advanced Energy Materials, 2020, 10, 2000093.	10.2	254
42	(Invited) Research Development on K-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 25-25.	0.0	0
43	Effect of Particle Size and Anion Vacancies on Electrochemical Performances of Potassium Manganese Hexacyanoferrate for Potassium-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 170-170.	0.0	0
44	(Invited) Sodium Insertion Carbon Materials As â€œBeyond Li-GICâ€• ECS Meeting Abstracts, 2020, MA2020-02, 559-559.	0.0	0
45	Stable and Unstable Diglyme-Based Electrolytes for Batteries with Sodium or Graphite as Electrode. ACS Applied Materials & Interfaces, 2019, 11, 32844-32855.	4.0	77
46	Removal of strontium from aqueous solutions using scallop shell powder. Journal of the Ceramic Society of Japan, 2019, 127, 111-116.	0.5	6
47	A Layered Inorganicâ€“Organic Open Framework Material as a 4 V Positive Electrode with Highâ€Rate Performance for Kâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1902528.	10.2	37
48	Application of Acrylicâ€Rubberâ€Based Latex Binder to Highâ€Voltage Spinel Electrodes of Lithiumâ€Ion Batteries. ChemElectroChem, 2019, 6, 5070-5079.	1.7	23
49	Systematic Study on Materials for Lithium-, Sodium-, and Potassium-Ion Batteries. Electrochemistry, 2019, 87, 312-320.	0.6	11
50	Correlation of carbonization condition with metallic property of sodium clusters formed in hard carbon studied using 23Na nuclear magnetic resonance. Carbon, 2019, 145, 712-715.	5.4	33
51	Lithium Magnesium Tungstate Solid as an Additive into Li(Ni_{1/3}Mn_{1/3}Co_{1/3})O₂ Electrodes for Li-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A5430-A5436.	1.3	9
52	Optimizing Micrometer-Sized Sn Powder Composite Electrodes for Sodium-Ion Batteries. Electrochemistry, 2019, 87, 70-77.	0.6	4
53	Potassium Metal as Reliable Reference Electrodes of Nonaqueous Potassium Cells. Journal of Physical Chemistry Letters, 2019, 10, 3296-3300.	2.1	93
54	A New Emerging Technology: Naâ€Ion Batteries. Small Methods, 2019, 3, 1900184.	4.6	37

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55	States of thermochemically or electrochemically synthesized NaxPy compounds analyzed by solid state 23Na and 31P nuclear magnetic resonance with theoretical calculation. Journal of Power Sources, 2019, 413, 418-424.	4.0	11
56	Hard carbons for sodium-ion batteries: Structure, analysis, sustainability, and electrochemistry. Materials Today, 2019, 23, 87-104.	8.3	537
57	Polyanionic Compounds for Potassiumâ€Ion Batteries. Chemical Record, 2019, 19, 735-745.	2.9	102
58	KPF6-KFSA Binary Salt Electrolytes for 4 V-Class Potassium Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
59	(Invited) On the NaMeO2 (Me = 3d metal) for Na-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
60	2 V-Class Aqueous Multi-Ion Batteries Realized By Superconcentrated Na/K Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
61	(Keynote) Polyanionic Compounds for K-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
62	K2[(VO)2(HPO4)2(C2O4)] and K x VOPO4 as 4 V-Class Positive Electrode Materials for K-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
63	(Invited) Functional Binders for Li-, Na-, and K-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
64	Poly-Î³-glutamate Binder To Enhance Electrode Performances of P2-Na_{2/3}Ni_{1/3}Mn_{2/3}O₂ for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 10986-10997.	4.0	53
65	Effect of diphenylethane as an electrolyte additive to enhance high-temperature durability of LiCoO2/graphite cells. Electrochimica Acta, 2018, 270, 120-128.	2.6	7
66	Towards Kâ€Ion and Naâ€Ion Batteries as â€œBeyond Liâ€Ionâ€. Chemical Record, 2018, 18, 459-479.	2.9	665
67	Unraveling the Role of Doping in Selective Stabilization of NaMnO₂ Polymorphs: Combined Theoretical and Experimental Study. Chemistry of Materials, 2018, 30, 1257-1264.	3.2	24
68	Synthesis and electrochemical properties of Na-rich Prussian blue analogues containing Mn, Fe, Co, and Fe for Na-ion batteries. Journal of Power Sources, 2018, 378, 322-330.	4.0	120
69	The electrochemical storage mechanism in oxy-hydroxyfluorinated anatase for sodium-ion batteries. Inorganic Chemistry Frontiers, 2018, 5, 1100-1106.	3.0	5
70	Effect of Binary Hydrophilic Binders of SBR Latex and Water-Soluble Polymer on Gas-Diffusion Biocathode Performance. Journal of the Electrochemical Society, 2018, 165, F1369-F1375.	1.3	2
71	The Mechanism of Electro-Catalytic Oxidation of Glucose on Manganese Dioxide Electrode Used for Amperometric Glucose Detection. Journal of the Electrochemical Society, 2018, 165, H742-H749.	1.3	9
72	Multiâ€Enzyme Immobilized Anodes Utilizing Maltose Fuel for Biofuel Cell Applications. ChemElectroChem, 2018, 5, 2271-2278.	1.7	18

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73	Hard carbons issued from date palm as efficient anode materials for sodium-ion batteries. Carbon, 2018, 137, 165-173.	5.4	100
74	Synthesis and Electrochemical Performance of C-Base-Centered Lepidocrocite-like Titanates for Na-Ion Batteries. ACS Applied Energy Materials, 2018, 1, 3630-3635.	2.5	12
75	Concentration Effect of Fluoroethylene Carbonate on the Formation of Solid Electrolyte Interphase Layer in Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 28525-28532.	4.0	66
76	Highly concentrated electrolyte solutions for 4 V class potassium-ion batteries. Chemical Communications, 2018, 54, 8387-8390.	2.2	159
77	Insights into Li⁺, Na⁺, and K⁺ Intercalation in Lepidocrocite-Type Layered TiO₂ Structures. ACS Applied Energy Materials, 2018, 1, 2078-2086.	2.5	31
78	Synthesizing higher-capacity hard-carbons from cellulose for Na- and K-ion batteries. Journal of Materials Chemistry A, 2018, 6, 16844-16848.	5.2	131
79	Electrochemistry and Solidâ€State Chemistry of NaMeO₂ (Me = 3d Transition Metals). Advanced Energy Materials, 2018, 8, 1703415.	10.2	255
80	Layered P2-Na2/3Co1/2Ti1/2O2 as a high-performance cathode material for sodium-ion batteries. Journal of Power Sources, 2017, 342, 998-1005.	4.0	46
81	A novel K-ion battery: hexacyanoferrate(<scp>ii</scp>)/graphite cell. Journal of Materials Chemistry A, 2017, 5, 4325-4330.	5.2	396
82	A Reversible Phase Transition for Sodium Insertion in Anatase TiO₂. Chemistry of Materials, 2017, 29, 1836-1844.	3.2	68
83	Synthesis of hard carbon from argan shells for Na-ion batteries. Journal of Materials Chemistry A, 2017, 5, 9917-9928.	5.2	224
84	KVPO₄F and KVOPO₄toward 4 volt-class potassium-ion batteries. Chemical Communications, 2017, 53, 5208-5211.	2.2	262
85	â€œNattoâ€•Binder of Poly-Î³-glutamate Enabling to Enhance Silicon/Graphite Composite Electrode Performance for Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2017, 5, 6343-6355.	3.2	56
86	P2- and P3-K_xCoO₂ as an electrochemical potassium intercalation host. Chemical Communications, 2017, 53, 3693-3696.	2.2	214
87	Theoretical Analysis of Interactions between Potassium Ions and Organic Electrolyte Solvents: A Comparison with Lithium, Sodium, and Magnesium Ions. Journal of the Electrochemical Society, 2017, 164, A54-A60.	1.3	276
88	Pâ€²2-Na_{2/3}Mn_{0.9}Me_{0.1}O₂ (Me = Mg, Ti, Co, Ni, Cu, and) Tj ETQq0 0 0 rgBT /Over Materials, 2017, 29, 8958-8962.	3.2	124
89	All-solid-state ion-selective electrodes with redox-active lithium, sodium, and potassium insertion materials as the inner solid-contact layer. Analyst, The, 2017, 142, 3857-3866.	1.7	20
90	Origin of Enhanced Capacity Retention of P2-Type Na_{2/3}Ni_{1/3-}<i>_x</i>Mn_{2/3}Cu<i>_x</i>O₂for Na-Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A2368-A2373.	1.8	62

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91	High performance red phosphorus electrode in ionic liquid-based electrolyte for Na-ion batteries. Journal of Power Sources, 2017, 363, 404-412.	4.0	52
92	Hard Carbons Prepared by Pyrolyzing Date's Pits for Sodium Ion Batteries. , 2017, , .		0
93	Understanding the Structural Evolution and Redox Mechanism of a NaFeO₂â€“NaCoO₂ Solid Solution for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2016, 26, 6047-6059.	7.8	132
94	Special proceedings of the Symposium A: â€œAdvances in energy storage systems: lithium batteries, supercapacitors and beyondâ€ during ICMAT 2015, June 28â€“July 3, Singapore. Journal of Solid State Electrochemistry, 2016, 20, 1819-1820.	1.2	1
95	Impact of the Cut-Off Voltage on Cyclability and Passive Interphase of Sn-Polyacrylate Composite Electrodes for Sodium-Ion Batteries. Journal of Physical Chemistry C, 2016, 120, 15017-15026.	1.5	40
96	Origin of stabilization and destabilization in solid-state redox reaction of oxide ions for lithium-ion batteries. Nature Communications, 2016, 7, 13814.	5.8	330
97	Sodium and Manganese Stoichiometry of P2â€Type Na_{2/3}MnO₂. Angewandte Chemie, 2016, 128, 12952-12955.	1.6	41
98	Iron phosphide as negative electrode material for Na-ion batteries. Electrochemistry Communications, 2016, 69, 11-14.	2.3	82
99	Preparation and electrochemical properties of Li₂MoO₃/C composites for rechargeable Li-ion batteries. Physical Chemistry Chemical Physics, 2016, 18, 28556-28563.	1.3	19
100	Polymer binder: a key component in negative electrodes for high-energy Na-ion batteries. Current Opinion in Chemical Engineering, 2016, 13, 36-44.	3.8	51
101	Effect of Hexafluorophosphate and Fluoroethylene Carbonate on Electrochemical Performance and the Surface Layer of Hard Carbon for Sodiumâ€Ion Batteries. ChemElectroChem, 2016, 3, 1856-1867.	1.7	147
102	Sodium and Manganese Stoichiometry of P2â€Type Na_{2/3}MnO₂. Angewandte Chemie - International Edition, 2016, 55, 12760-12763.	7.2	217
103	Combination of solid state NMR and DFT calculation to elucidate the state of sodium in hard carbon electrodes. Journal of Materials Chemistry A, 2016, 4, 13183-13193.	5.2	83
104	Thermal Stability of Na_{<i>x</i>}CrO₂ for Rechargeable Sodium Batteries; Studies by High-Temperature Synchrotron X-ray Diffraction. ACS Applied Materials & Interfaces, 2016, 8, 32292-32299.	4.0	36
105	Synthesis and electrochemical properties of Li_{1.3}Nb_{0.3}V_{0.4}O₂ as a positive electrode material for rechargeable lithium batteries. Chemical Communications, 2016, 52, 2051-2054.	2.2	76
106	Black Phosphorus as a High-Capacity, High-Capability Negative Electrode for Sodium-Ion Batteries: Investigation of the Electrode/Electrolyte Interface. Chemistry of Materials, 2016, 28, 1625-1635.	3.2	238
107	Synthesis and Electrochemical Properties of Li₄MoO₅â€“NiO Binary System as Positive Electrode Materials for Rechargeable Lithium Batteries. Chemistry of Materials, 2016, 28, 416-419.	3.2	55
108	Understanding Particle-Size-Dependent Electrochemical Properties of Li₂MnO₃-Based Positive Electrode Materials for Rechargeable Lithium Batteries. Journal of Physical Chemistry C, 2016, 120, 875-885.	1.5	77

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109	Degradation Mechanisms of Electric Double Layer Capacitors with Activated Carbon Electrodes on High Voltage Exposure. Electrochemistry, 2015, 83, 609-618.	0.6	12
110	Crystal Structures and Electrochemical Properties of P2/O2-type Mn-based Layered Oxides. Hamon, 2015, 25, 264-267.	0.0	0
111	High-capacity electrode materials for rechargeable lithium batteries: Li ₃ NbO ₄ -based system with cation-disordered rocksalt structure. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7650-7655.	3.3	400
112	Electrochemical lithiation performance and characterization of siliconâ€“graphite composites with lithium, sodium, potassium, and ammonium polyacrylate binders. Physical Chemistry Chemical Physics, 2015, 17, 3783-3795.	1.3	72
113	New Insight into Structural Evolution in Layered NaCrO₂ during Electrochemical Sodium Extraction. Journal of Physical Chemistry C, 2015, 119, 166-175.	1.5	152
114	Improved High-Temperature Performance and Surface Chemistry of Graphite/LiMn2O4 Li-Ion Cells by Fluorosilane-Based Electrolyte Additive. Electrochimica Acta, 2015, 160, 347-356.	2.6	31
115	Electrochemical Properties of LiCoO₂Electrodes with Latex Binders on High-Voltage Exposure. Journal of the Electrochemical Society, 2015, 162, A538-A544.	1.3	80
116	Fluorine Chemistry for Negative Electrode in Sodium and Lithium Ion Batteries. , 2015, , 387-414.		11
117	Potassium intercalation into graphite to realize high-voltage/high-power potassium-ion batteries and potassium-ion capacitors. Electrochemistry Communications, 2015, 60, 172-175.	2.3	882
118	Reviewâ€”Practical Issues and Future Perspective for Na-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A2538-A2550.	1.3	579
119	Improvement of Electrochemical Performance of Bilirubin Oxidase Modified Gas Diffusion Biocathode by Hydrophilic Binder. Journal of the Electrochemical Society, 2015, 162, F1425-F1430.	1.3	11
120	Effect of Lithium in Transition Metal Layers of Ni-Rich Cathode Materials on Electrochemical Properties. Journal of the Electrochemical Society, 2015, 162, A2313-A2318.	1.3	16
121	Acrylic Acid-Based Copolymers as Functional Binder for Silicon/Graphite Composite Electrode in Lithium-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A2245-A2249.	1.3	35
122	Layered oxides as positive electrode materials for Na-ion batteries. MRS Bulletin, 2014, 39, 416-422.	1.7	208
123	Study of electrochemical alkali insertion into carbonaceous materials. , 2014, , .		1
124	Recent research progress on iron- and manganese-based positive electrode materials for rechargeable sodium batteries. Science and Technology of Advanced Materials, 2014, 15, 043501.	2.8	199
125	P2-type Na<inf>x</inf> [Fe,Ni,Mn]O<inf>2</inf> for high capacity Na-ion batteries. , 2014, , .		0
126	Rechargeable Na-ion batteries for large format applications. , 2014, , .		0

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127	Phosphorus Electrodes in Sodium Cells: Small Volume Expansion by Sodiation and the Surfaceâ€Stabilization Mechanism in Aprotic Solvent. ChemElectroChem, 2014, 1, 580-589.	1.7	196
128	New O2/P2â€type Liâ€Excess Layered Manganese Oxides as Promising Multiâ€Functional Electrode Materials for Rechargeable Li/Na Batteries. Advanced Energy Materials, 2014, 4, 1301453.	10.2	307
129	Research Development on Sodium-Ion Batteries. Chemical Reviews, 2014, 114, 11636-11682.	23.0	4,970
130	A new electrode material for rechargeable sodium batteries: P2-type Na_{2/3}[Mg_{0.28}Mn_{0.72}]O₂ with anomalously high reversible capacity. Journal of Materials Chemistry A, 2014, 2, 16851-16855.	5.2	284
131	P2-type Na_{2/3}Ni_{1/3}Mn_{2/3âˆ’x}Ti_xO₂ as a new positive electrode for higher energy Na-ion batteries. Chemical Communications, 2014, 50, 3677-3680.	2.2	334
132	Double-layered polyion complex for application to biosensing electrodes. Electrochemistry Communications, 2014, 47, 88-91.	2.3	5
133	Negative electrodes for Na-ion batteries. Physical Chemistry Chemical Physics, 2014, 16, 15007.	1.3	555
134	Fabrication of Carbonâ€Feltâ€Based Multiâ€Enzyme Immobilized Anodes to Oxidize Sucrose for Biofuel Cells. ChemPhysChem, 2014, 15, 2145-2151.	1.0	27
135	Sodium carboxymethyl cellulose as a potential binder for hard-carbon negative electrodes in sodium-ion batteries. Electrochemistry Communications, 2014, 44, 66-69.	2.3	182
136	Na2CoPO4F as a High-voltage Electrode Material for Na-ion Batteries. Electrochemistry, 2014, 82, 909-911.	0.6	49
137	Manganese Oxides for Supercapacitors. , 2014, , 317-338.		0
138	A Comparative Study of LiCoO₂ Polymorphs: Structural and Electrochemical Characterization of O2-, O3-, and O4-type Phases. Inorganic Chemistry, 2013, 52, 9131-9142.	1.9	51
139	Preparation of Carbonaceous Materials in Fused Carbonate Salts. , 2013, , 331-354.		1
140	NMR study for electrochemically inserted Na in hard carbon electrode of sodium ion battery. Journal of Power Sources, 2013, 225, 137-140.	4.0	165
141	A layer-structured Na2CoP2O7 pyrophosphate cathode for sodium-ion batteries. RSC Advances, 2013, 3, 3857.	1.7	104
142	NaFe0.5Co0.5O2 as high energy and power positive electrode for Na-ion batteries. Electrochemistry Communications, 2013, 34, 60-63.	2.3	262
143	Synthesis and Electrode Performance of O3-Type NaFeO₂-NaNi_{1/2}Mn_{1/2}O₂Solid Solution for Rechargeable Sodium Batteries. Journal of the Electrochemical Society, 2013, 160, A3131-A3137.	1.3	182
144	Thermal Behavior of the Layered Oxide Li2/3Co2/3Mn1/3O2 Obtained by Ion Exchange from the P2-Type Na2/3Co2/3Mn1/3O2 Phase. Journal of Physical Chemistry C, 2013, 117, 3264-3271.	1.5	13

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145	Structural and Electrochemical Characterizations on Li₂MnO₃-LiCoO₂-LiCrO₂System as Positive Electrode Materials for Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 2013, 160, A39-A45.	1.3	51
146	Efficient Electrolyte Additives of Phosphate, Carbonate, and Borate to Improve Redox Capacitor Performance of Manganese Oxide Electrodes. Journal of the Electrochemical Society, 2013, 160, A1952-A1961.	1.3	22
147	Redox-Active Alkali Insertion Materials as Inner Contact Layer in All-Solid-State Ion-Selective Electrodes. ECS Transactions, 2013, 50, 279-287.	0.3	10
148	Cross-Linked Poly(acrylic acid) with Polycarbodiimide as Advanced Binder for Si/Graphite Composite Negative Electrodes in Li-Ion Batteries. ECS Electrochemistry Letters, 2012, 2, A17-A20.	1.9	59
149	2ï¼ŽãƒŠãƒˆãƒªã‚¦ãƒã‚¤ã‚ªãƒ³äºŒæ¬¡é›»æ±â€”æ–°ã•ã‚‹é›»æ±å¸åœ¿œç³»ã‚ã®æŒ‘æˆ¦â€". Electrochemistry, 2012, 80, 93-97.	0.6	2
150	Crystal Structures and Electrode Performance of Alpha-NaFeO2 for Rechargeable Sodium Batteries. Electrochemistry, 2012, 80, 716-719.	0.6	329
151	A Comparison of Crystal Structures and Electrode Performance between Na2FePO4F and Na2Fe0.5Mn0.5PO4F Synthesized by Solid-State Method for Rechargeable Na-Ion Batteries. Electrochemistry, 2012, 80, 80-84.	0.6	72
152	Study on the Reversible Electrode Reaction of Na_{1â€“<i>x</i>}Ni_{0.5}Mn_{0.5}O₂ for a Rechargeable Sodium-Ion Battery. Inorganic Chemistry, 2012, 51, 6211-6220.	1.9	593
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154	Redox reaction of Sn-polyacrylate electrodes in aprotic Na cell. Electrochemistry Communications, 2012, 21, 65-68.	2.3	384
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