Naoaki Yabuuchi

List of Publications by Year
in descending order

143 papers	26,843 citations	23567 58 h-index	16183 124 g-index
149 all docs	149 docs citations	149 times ranked	18780 citing authors

#	Article	IF	Citations
1	Metastable and Nanosized Li_{1.2}Nb_{0.2}V_{0.6}O₂ for High-Energy Li-ion Batteries. Electrochemistry, 2022, 90, 037005-037005.	1.4	10
2	Highly Graphitic Carbon Coating on Li_{1.25}Nb_{0.25}V_{0.5}O₂ Derived from a Precursor with a Perylene Core for High-Power Battery Applications. Chemistry of Materials, 2022, 34, 1946-1955.	6.7	7
3	Rocksalt and Layered Metal Sulfides for Li Storage Applications: LiMe_{0.5}Ti_{0.5}S₂ (Me = Fe²⁺, Mn²⁺, and) Tj ETQq1 1 0.784314 rgBT /C	5.1	3
4	Rational material design of Li-excess metal oxides with disordered rock salt structure. Current Opinion in Electrochemistry, 2022, 34, 100978.	4.8	15
5	Magnetic Compton Scattering Study of Li-Rich Battery Materials. Condensed Matter, 2022, 7, 4.	1.8	5
6	Unexpectedly Large Contribution of Oxygen to Charge Compensation Triggered by Structural Disordering: Detailed Experimental and Theoretical Study on a Li₃NbO₄â€“NiO Binary System. ACS Central Science, 2022, 8, 775-794.	11.3	10
7	Why is the O3 to O1 phase transition hindered in LiNiO₂ on full delithiation?. Journal of Materials Chemistry A, 2021, 9, 15963-15967.	10.3	34
8	Efficient Stabilization of Na Storage Reversibility by Ti Integration into Oâ€²3-Type NaMnO ₂. Energy Material Advances, 2021, 2021, .	11.0	15
9	Tomographic reconstruction of oxygen orbitals in lithium-rich battery materials. Nature, 2021, 594, 213-216.	27.8	56
10	P2-type layered Na_{0.67}Cr_{0.33}Mg_{0.17}Ti_{0.5}O₂ for Na storage applications. Chemical Communications, 2021, 57, 2756-2759.	4.1	6
11	Corrigendum to â€œEfficient Stabilization of Na Storage Reversibility by Ti Integration into O ^{â€²} 3-Type NaMnO ₂ â€. Energy Material Advances, 2021, 2021, .	11.0	2
12	Fundamentals of metal oxide/oxyfluoride electrodes for Li-/Na-ion batteries. Chemical Physics Reviews, 2021, 2, .	5.7	16
13	Charge/Discharge Reaction Mechanisms of Nanosized Li-Excess Li2TiO3â€“LiVO2 System. ECS Meeting Abstracts, 2021, MA2021-02, 1675-1675.	0.0	0
14	Nanosized and metastable molybdenum oxides as negative electrode materials for durable high-energy aqueous Li-ion batteries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
15	(Invited) Nanostructured High-Capacity Positive Electrode Materials for Li-Ion Batteries. ECS Meeting Abstracts, 2021, MA2021-02, 191-191.	0.0	0
16	Studies on Electrochemistry and Factors Affecting Phase Transition Behavior of LiMnO2 Polymorphs. ECS Meeting Abstracts, 2021, MA2021-02, 1677-1677.	0.0	0
17	Nanosize Cationâ€Disordered Rocksalt Oxides: Na₂TiO₃â€“NaMnO₂ Binary System. Small, 2020, 16, e1902462.	10.0	20
18	Charge Compensation Mechanism of Lithium-Excess Metal Oxides with Different Covalent and Ionic Characters Revealed by <i>Operando</i> Soft and Hard X-ray Absorption Spectroscopy. Chemistry of Materials, 2020, 32, 139-147.	6.7	37

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19	Nanostructured LiMnO₂ with Li₃PO₄ Integrated at the Atomic Scale for High-Energy Electrode Materials with Reversible Anionic Redox. ACS Central Science, 2020, 6, 2326-2338.	11.3	22
20	Activation and stabilization mechanisms of anionic redox for Li storage applications: Joint experimental and theoretical study on Li2TiO3â€“LiMnO2 binary system. Materials Today, 2020, 37, 43-55.	14.2	46
21	Tuning cation migration. Nature Materials, 2020, 19, 372-373.	27.5	4
22	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.	6.7	150
23	Synthesis and Electrochemical Properties of Mg-Substituted Ni/Mn-Based High-Voltage Spinel Oxides. ECS Meeting Abstracts, 2020, MA2020-02, 3540-3540.	0.0	0
24	Factors Affecting on Electrochemical Properties of O3-Type NaFeO₂ for Sodium Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 3539-3539.	0.0	0
25	Highly Reversible Anionic Redox without Voltage Decay. ECS Meeting Abstracts, 2020, MA2020-02, 3537-3537.	0.0	0
26	Electrochemical Properties of LiNiO2 Integrated with Nanosize Li3PO4. ECS Meeting Abstracts, 2020, MA2020-02, 3533-3533.	0.0	0
27	Rechargeable Aqueous Lithium-Ion Batteries with Molybdenum-Based Oxides As Negative Electrode Materials. ECS Meeting Abstracts, 2020, MA2020-02, 3538-3538.	0.0	0
28	(Invited) Nanostructured Rocksalt-Based Positive Electrode Materials for Rechargeable Li/Na Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 510-510.	0.0	0
29	Impact of Nb Substitution on Crystal Structures and Electrode Reversibility of LiNiO2. ECS Meeting Abstracts, 2020, MA2020-02, 3535-3535.	0.0	0
30	Lithium Storage Properties of Rocksalt-Type Li-Excess Titanium Sulfides. ECS Meeting Abstracts, 2020, MA2020-02, 3534-3534.	0.0	0
31	High Capacity Li-Excess Vanadium Oxides for Positive Electrode Materials. ECS Meeting Abstracts, 2020, MA2020-02, 3536-3536.	0.0	0
32	Electrochemical Properties of Ti-Based Negative Electrode Materials with Different Binders Possessing Branched Structures for Rechargeable Sodium-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 3541-3541.	0.0	0
33	Influence of Synthesis Conditions on Electrochemical Properties of P2â€Type Na_{2/3}Fe_{2/3}Mn_{1/3}O₂ for Rechargeable Na Batteries. Small Methods, 2019, 3, 1800032.	8.6	14
34	Li/Na Storage Properties of Disordered Carbons Synthesized by Mechanical Milling. Electrochemistry, 2019, 87, 276-280.	1.4	8
35	Improved Electrode Performance of Lithium-Excess Molybdenum Oxyfluoride: Titanium Substitution with Concentrated Electrolyte. ACS Applied Energy Materials, 2019, 2, 1629-1633.	5.1	34
36	Material Design Concept of Lithiumâ€Excess Electrode Materials with Rocksaltâ€Related Structures for Rechargeable Nonâ€Aqueous Batteries. Chemical Record, 2019, 19, 690-707.	5.8	59

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37	Effect of diphenylethane as an electrolyte additive to enhance high-temperature durability of LiCoO2/graphite cells. Electrochimica Acta, 2018, 270, 120-128.	5.2	7
38	Synthesis of Conjugated Carbonyl Containing Polymer Negative Electrodes for Sodium Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A434-A438.	2.9	14
39	Effect of Nanosizing on Reversible Sodium Storage in a NaCrO₂ Electrode. ACS Applied Nano Materials, 2018, 1, 364-370.	5.0	32
40	Metastable and nanosize cation-disordered rocksalt-type oxides: revisit of stoichiometric LiMnO₂ and NaMnO₂. Journal of Materials Chemistry A, 2018, 6, 13943-13951.	10.3	59
41	Li_{4/3}Ni_{1/3}Mo_{1/3}O₂â€“ LiNi_{1/2}Mn_{1/2}O₂Binary System as High Capacity Positive Electrode Materials for Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 2018, 165, A1357-A1362.	2.9	9
42	Reversible Three-Electron Redox Reaction of Mo³⁺/Mo⁶⁺ for Rechargeable Lithium Batteries. ACS Energy Letters, 2017, 2, 733-738.	17.4	61
43	Acrylonitrile-grafted poly(vinyl alcohol) copolymer as effective binder for high-voltage spinel positive electrode. Journal of Power Sources, 2017, 358, 121-127.	7.8	16
44	Na-Excess Cation-Disordered Rocksalt Oxide: Na_{1.3}Nb_{0.3}Mn_{0.4}O₂. Chemistry of Materials, 2017, 29, 5043-5047.	6.7	38
45	Solid-state Redox Reaction of Oxide Ions for Rechargeable Batteries. Chemistry Letters, 2017, 46, 412-422.	1.3	59
46	Reversible Li storage for nanosize cation/anion-disordered rocksalt-type oxyfluorides: LiMoO 2 â€“ x LiF (0 â‰ x â‰ 2) binary system. Journal of Power Sources, 2017, 367, 122-129.	7.8	59
47	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.	3.5	20
48	Lithium-Excess Cation-Disordered Rocksalt-Type Oxide with Nanoscale Phase Segregation: Li_{1.25}Nb_{0.25}V_{0.5}O₂. Chemistry of Materials, 2017, 29, 6927-6935.	6.7	87
49	High performance red phosphorus electrode in ionic liquid-based electrolyte for Na-ion batteries. Journal of Power Sources, 2017, 363, 404-412.	7.8	52
50	Understanding the Structural Evolution and Redox Mechanism of a NaFeO₂â€“NaCoO₂ Solid Solution for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2016, 26, 6047-6059.	14.9	132
51	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.	3.1	40
52	Synthesis and Electrode Performance of Li₄MoO₅-LiFeO₂ Binary System as Positive Electrode Materials for Rechargeable Lithium Batteries. Electrochemistry, 2016, 84, 797-801.	1.4	30
53	Origin of stabilization and destabilization in solid-state redox reaction of oxide ions for lithium-ion batteries. Nature Communications, 2016, 7, 13814.	12.8	330
54	Layered Na_{<i>x</i>}Cr_{<i>x</i>}Ti_{1â€“<i>x</i>}O₂ as Bifunctional Electrode Materials for Rechargeable Sodium Batteries. Chemistry of Materials, 2016, 28, 7006-7016.	6.7	56

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55	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.	3.4	147
56	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.	8.0	36
57	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.	4.1	76
58	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.	6.7	238
59	Synthesis and Electrochemical Properties of Li₄MoO₅â€“NiO Binary System as Positive Electrode Materials for Rechargeable Lithium Batteries. Chemistry of Materials, 2016, 28, 416-419.	6.7	55
60	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.	3.1	77
61	Electrochemical Properties of High-Voltage Spinel Positive Electrodes Prepared with Non-Fluorine PAN-Based Binders. ECS Meeting Abstracts, 2016, , .	0.0	0
62	Li1.2Ti0.4Mn0.4O2 As 300 m Ah g-1-Class Electrode Material Using Redox Reaction of Oxide Ions. ECS Meeting Abstracts, 2016, , .	0.0	0
63	Origin of Stabilization and Destabilization in Solid-State Redox Reaction of Oxide Ions for Rechargeable Lithium Batteries. ECS Meeting Abstracts, 2016, , .	0.0	1
64	Layered Na x Cr x Ti1-X O2 As Bi-Functional Electrode Materials for Rechargeable Sodium Batteries. ECS Meeting Abstracts, 2016, , .	0.0	0
65	Degradation Mechanisms of Electric Double Layer Capacitors with Activated Carbon Electrodes on High Voltage Exposure. Electrochemistry, 2015, 83, 609-618.	1.4	12
66	Crystal Structures and Electrochemical Properties of P2/O2-type Mn-based Layered Oxides. Hamon, 2015, 25, 264-267.	0.0	0
67	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.	7.1	400
68	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.	2.8	72
69	New Insight into Structural Evolution in Layered NaCrO₂ during Electrochemical Sodium Extraction. Journal of Physical Chemistry C, 2015, 119, 166-175.	3.1	152
70	Improved High-Temperature Performance and Surface Chemistry of Graphite/LiMn2O4 Li-Ion Cells by Fluorosilane-Based Electrolyte Additive. Electrochimica Acta, 2015, 160, 347-356.	5.2	31
71	Electrochemical Properties of LiCoO₂Electrodes with Latex Binders on High-Voltage Exposure. Journal of the Electrochemical Society, 2015, 162, A538-A544.	2.9	80
72	Improvement of Electrochemical Performance of Bilirubin Oxidase Modified Gas Diffusion Biocathode by Hydrophilic Binder. Journal of the Electrochemical Society, 2015, 162, F1425-F1430.	2.9	11

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73	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.	2.9	35
74	Layered oxides as positive electrode materials for Na-ion batteries. MRS Bulletin, 2014, 39, 416-422.	3.5	208
75	Recent research progress on iron- and manganese-based positive electrode materials for rechargeable sodium batteries. Science and Technology of Advanced Materials, 2014, 15, 043501.	6.1	199
76	Phosphorus Electrodes in Sodium Cells: Small Volume Expansion by Sodiation and the Surfaceâ€Stabilization Mechanism in Aprotic Solvent. ChemElectroChem, 2014, 1, 580-589.	3.4	196
77	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.	19.5	307
78	Research Development on Sodium-Ion Batteries. Chemical Reviews, 2014, 114, 11636-11682.	47.7	4,970
79	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.	10.3	284
80	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.	4.1	334
81	Double-layered polyion complex for application to biosensing electrodes. Electrochemistry Communications, 2014, 47, 88-91.	4.7	5
82	Negative electrodes for Na-ion batteries. Physical Chemistry Chemical Physics, 2014, 16, 15007.	2.8	555
83	Fabrication of Carbonâ€Feltâ€Based Multiâ€Enzyme Immobilized Anodes to Oxidize Sucrose for Biofuel Cells. ChemPhysChem, 2014, 15, 2145-2151.	2.1	27
84	Sodium carboxymethyl cellulose as a potential binder for hard-carbon negative electrodes in sodium-ion batteries. Electrochemistry Communications, 2014, 44, 66-69.	4.7	182
85	Na2CoPO4F as a High-voltage Electrode Material for Na-ion Batteries. Electrochemistry, 2014, 82, 909-911.	1.4	49
86	Manganese Oxides. , 2014, , 1218-1223.		0
87	A Comparative Study of LiCoO₂ Polymorphs: Structural and Electrochemical Characterization of O2-, O3-, and O4-type Phases. Inorganic Chemistry, 2013, 52, 9131-9142.	4.0	51
88	NMR study for electrochemically inserted Na in hard carbon electrode of sodium ion battery. Journal of Power Sources, 2013, 225, 137-140.	7.8	165
89	A layer-structured Na2CoP2O7 pyrophosphate cathode for sodium-ion batteries. RSC Advances, 2013, 3, 3857.	3.6	104
90	NaFe0.5Co0.5O2 as high energy and power positive electrode for Na-ion batteries. Electrochemistry Communications, 2013, 34, 60-63.	4.7	262

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91	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.	2.9	182
92	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.	2.9	51
93	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.	2.9	22
94	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
95	2ï¼ŽãƒŠãƒˆãƒªã,¦ãƒã,ã,ªãƒ³äºŒæ¬¡é›»æ±â€”æ–°ã•—ã,é›»æ±å¿œç³»ã,ã®æŒ‘æˆ¦â€”. Electrochemistry, 2012, 80, 93-97.	1.4	2
96	Crystal Structures and Electrode Performance of Alpha-NaFeO2 for Rechargeable Sodium Batteries. Electrochemistry, 2012, 80, 716-719.	1.4	329
97	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.	1.4	72
98	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.	4.0	593
99	Cropâ€Derived Polysaccharides as Binders for Highâ€Capacity Silicon/Graphiteâ€Based Electrodes in Lithiumâ€Ion Batteries. ChemSusChem, 2012, 5, 2307-2311.	6.8	92
100	Redox reaction of Sn-polyacrylate electrodes in aprotic Na cell. Electrochemistry Communications, 2012, 21, 65-68.	4.7	384
101	High-capacity Siâ€“graphite composite electrodes with a self-formed porous structure by a partially neutralized polyacrylate for Li-ion batteries. Energy and Environmental Science, 2012, 5, 9014.	30.8	156
102	Electrochemical behavior and structural change of spinel-type Li[Li Mn2â^']O4 (x= 0 and 0.2) in sodium cells. Electrochimica Acta, 2012, 82, 296-301.	5.2	50
103	Comparative Study of Sodium Polyacrylate and Poly(vinylidene fluoride) as Binders for High Capacity Siâ€"Graphite Composite Negative Electrodes in Li-Ion Batteries. Journal of Physical Chemistry C, 2012, 116, 1380-1389.	3.1	203
104	P2-type Nax[Fe1/2Mn1/2]O2 made from earth-abundant elements for rechargeable NaÂbatteries. Nature Materials, 2012, 11, 512-517.	27.5	1,884
105	Nano-structured birnessite prepared by electrochemical activation of manganese(III)-based oxides for aqueous supercapacitors. Electrochimica Acta, 2012, 59, 455-463.	5.2	46
106	Effect of heat-treatment process on FeF3 nanocomposite electrodes for rechargeable Li batteries. Journal of Materials Chemistry, 2011, 21, 10035.	6.7	69
107	The Influence of Heat-Treatment Temperature on the Cation Distribution of LiNi[sub 0.5]Mn[sub 0.5]O[sub 2] and Its Rate Capability in Lithium Rechargeable Batteries. Journal of the Electrochemical Society, 2011, 158, A192.	2.9	16
108	Low-temperature phase of Li2FeSiO4: crystal structure and a preliminary study of electrochemical behavior. Dalton Transactions, 2011, 40, 1846.	3.3	33

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109	Fluorinated Ethylene Carbonate as Electrolyte Additive for Rechargeable Na Batteries. ACS Applied Materials & Interfaces, 2011, 3, 4165-4168.	8.0	595
110	Study on Polymer Binders for High-Capacity SiO Negative Electrode of Li-Ion Batteries. Journal of Physical Chemistry C, 2011, 115, 13487-13495.	3.1	344
111	Design principles for oxygen-reduction activity on perovskite oxide catalysts for fuel cells and metalâ€"air batteries. Nature Chemistry, 2011, 3, 546-550.	13.6	2,331
112	Neutralized Poly(Acrylic Acid) as Polymer Binder for High Capacity Silicon Negative Electrodes. ECS Meeting Abstracts, 2011, , .	0.0	1
113	Polyacrylate as Functional Binder for Silicon and Graphite Composite Electrode in Lithium-Ion Batteries. Electrochemistry, 2011, 79, 6-9.	1.4	52
114	Synthesis and electrode performance of carbon coated Na2FePO4F for rechargeable Na batteries. Electrochemistry Communications, 2011, 13, 1225-1228.	4.7	244
115	Detailed Studies of a High-Capacity Electrode Material for Rechargeable Batteries, Li₂MnO₃â^'LiCo_{1/3}Ni_{1/3}Mn_{1/3}O₂. Journal of the American Chemical Society, 2011, 133, 4404-4419.	13.7	1,066
116	Electrochemical Na Insertion and Solid Electrolyte Interphase for Hardâ€Carbon Electrodes and Application to Naâ€Ion Batteries. Advanced Functional Materials, 2011, 21, 3859-3867.	14.9	1,717
117	Graphiteâ€Siliconâ€Polyacrylate Negative Electrodes in Ionic Liquid Electrolyte for Safer Rechargeable Liâ€Ion Batteries. Advanced Energy Materials, 2011, 1, 759-765.	19.5	140
118	Hydrothermal Synthesis and Characterization of Li2FeSiO4 as Positive Electrode Materials for Li-Ion Batteries. Electrochemistry, 2010, 78, 363-366.	1.4	28
119	Functional binders for reversible lithium intercalation into graphite in propylene carbonate and ionic liquid media. Journal of Power Sources, 2010, 195, 6069-6074.	7.8	122
120	High-temperature X-ray diffraction study of crystallization and phase segregation on spinel-type lithium manganese oxides. Journal of Solid State Chemistry, 2010, 183, 234-241.	2.9	21
121	Electrochemical intercalation activity of layered NaCrO2 vs. LiCrO2. Electrochemistry Communications, 2010, 12, 355-358.	4.7	509
122	High-power lithium batteries from functionalized carbon-nanotube electrodes. Nature Nanotechnology, 2010, 5, 531-537.	31.5	1,026
123	The Influence of Surface Chemistry on the Rate Capability of LiNi[sub 0.5]Mn[sub 0.5]O[sub 2] for Lithium Rechargeable Batteries. Electrochemical and Solid-State Letters, 2010, 13, A158.	2.2	15
124	Electrocatalytic Measurement Methodology of Oxide Catalysts Using a Thin-Film Rotating Disk Electrode. Journal of the Electrochemical Society, 2010, 157, B1263.	2.9	339
125	Electrochemical Insertion of Li and Na Ions into Nanocrystalline Fe[sub 3]O[sub 4] and Î±-Fe[sub 2]O[sub 3] for Rechargeable Batteries. Journal of the Electrochemical Society, 2010, 157, A60.	2.9	152
126	Probing the Origin of Enhanced Stability of â€œAlPO₄â€•Nanoparticle Coated LiCoO₂ during Cycling to High Voltages: Combined XRD and XPS Studies. Chemistry of Materials, 2009, 21, 4408-4424.	6.7	279

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127	Roles of Surface Steps on Pt Nanoparticles in Electro-oxidation of Carbon Monoxide and Methanol. Journal of the American Chemical Society, 2009, 131, 15669-15677.	13.7	186
128	Origin of Oxygen Reduction Reaction Activity on â€œPt₃Coâ€•Nanoparticles: Atomically Resolved Chemical Compositions and Structures. Journal of Physical Chemistry C, 2009, 113, 1109-1125.	3.1	267
129	A New Polymorph of Layered LiCoO2. Chemistry Letters, 2009, 38, 954-955.	1.3	22
130	Enhanced Activity for Oxygen Reduction Reaction on â€œPt₃Coâ€•Nanoparticles: Direct Evidence of Percolated and Sandwich-Segregation Structures. Journal of the American Chemical Society, 2008, 130, 13818-13819.	13.7	271
131	Thermal Instability of Cycled Li_{<i>x</i>}Ni_{0.5}Mn_{0.5}O₂ Electrodes: An in Situ Synchrotron X-ray Powder Diffraction Study. Chemistry of Materials, 2008, 20, 4936-4951.	6.7	87
132	Electrochemical Control of the Magnetic Moment of CrO[sub 2]. Journal of the Electrochemical Society, 2008, 155, P83.	2.9	15
133	Partially reversible changes in magnetic properties of CrO2 nanoparticles through electrochemical cycling. Journal of Applied Physics, 2008, 103, 07D708.	2.5	1
134	Solid-State Chemistry and Electrochemistry of LiCo[sub 1â^•3]Ni[sub 1â^•3]Mn[sub 1â^•3]O[sub 2] for Advanced Lithium-Ion Batteries. Journal of the Electrochemical Society, 2007, 154, A314.	2.9	328
135	Changes in the Cation Ordering of Layered O3 LixNi0.5Mn0.5O2during Electrochemical Cycling to High Voltages:Â An Electron Diffraction Study. Chemistry of Materials, 2007, 19, 2551-2565.	6.7	121
136	Changes in the Crystal Structure and Electrochemical Properties of Li[sub x]Ni[sub 0.5]Mn[sub 0.5]O[sub 2] during Electrochemical Cycling to High Voltages. Journal of the Electrochemical Society, 2007, 154, A566.	2.9	46
137	Electrochemical behaviors of LiCo1/3Ni1/3Mn1/3O2 in lithium batteries at elevated temperatures. Journal of Power Sources, 2005, 146, 636-639.	7.8	108
138	Materials Strategy for Advanced Lithium-Ion (Shuttlecock) Batteries: Lithium Nickel Manganese Oxides with or Without Cobalt. ChemInform, 2005, 36, no.	0.0	0
139	Solid-State Chemistry and Electrochemistry of LiCo[sub 1â^•3]Ni[sub 1â^•3]Mn[sub 1â^•3]O[sub 2] for Advanced Lithium-Ion Batteries. Journal of the Electrochemical Society, 2005, 152, A1434.	2.9	179
140	Materials Strategy for Advanced Lithium-Ion (Shuttlecock) Batteries: Lithium Nickel Manganese Oxides with or without Cobalt. Electrochemistry, 2005, 73, 2-11.	1.4	53
141	Solid-State Chemistry and Electrochemistry of LiCo[sub 1/3]Ni[sub 1/3]Mn[sub 1/3]O[sub 2] for Advanced Lithium-Ion Batteries. Journal of the Electrochemical Society, 2004, 151, A1545.	2.9	154
142	Novel lithium insertion material of LiCo1/3Ni1/3Mn1/3O2 for advanced lithium-ion batteries. Journal of Power Sources, 2003, 119-121, 171-174.	7.8	770
143	Extended conjugated carbonyl-containing polymer as a negative electrode material for Na-ion batteries. Polymer Journal, 0, , .	2.7	0