

Naoaki Yabuuchi

List of Publications by Year in Descending Order

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

125
papers

22,373
citations

55
h-index

149
g-index

149
ext. papers

24,534
ext. citations

8.5
avg, IF

7.14
L-index

#	Paper	IF	Citations
125	Metastable and Nanosized Li _{1.2} Nb _{0.2} V _{0.6} O ₂ for High-Energy Li-ion Batteries. <i>Electrochemistry</i> , 2022 ,	1.2	6
124	Rocksalt and Layered Metal Sulfides for Li Storage Applications: LiMe _{0.5} Ti _{0.5} S ₂ (Me = Fe ²⁺ , Mn ²⁺ , and Mg ²⁺). <i>ACS Applied Energy Materials</i> , 2022 , 5, 2642-2646	6.1	2
123	Anionic Redox Reaction in Li -Excess High-Capacity Transition-Metal Oxides 2022 , 121-144		
122	Rational material design of Li-excess metal oxides with disordered rock salt structure. <i>Current Opinion in Electrochemistry</i> , 2022 , 34, 100978	7.2	5
121	Magnetic Compton Scattering Study of Li-Rich Battery Materials. <i>Condensed Matter</i> , 2022 , 7, 4	1.8	0
120	Fundamentals of metal oxide/oxyfluoride electrodes for Li-/Na-ion batteries. <i>Chemical Physics Reviews</i> , 2021 , 2, 041306	4.4	7
119	Nanosized and metastable molybdenum oxides as negative electrode materials for durable high-energy aqueous Li-ion batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
118	Corrigendum to Efficient Stabilization of Na Storage Reversibility by Ti Integration into O ³ -Type NaMnO ₂ . <i>Energy Material Advances</i> , 2021 , 2021, 1-2	1	1
117	Efficient Stabilization of Na Storage Reversibility by Ti Integration into O ³ -Type NaMnO ₂ . <i>Energy Material Advances</i> , 2021 , 2021, 1-12	1	11
116	Tomographic reconstruction of oxygen orbitals in lithium-rich battery materials. <i>Nature</i> , 2021 , 594, 213-216	21.4	22
115	Why is the O ₃ to O ₁ phase transition hindered in LiNiO ₂ on full delithiation?. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 15963-15967	13	12
114	P2-type layered NaCrMgTiO for Na storage applications. <i>Chemical Communications</i> , 2021 , 57, 2756-2759	5.8	2
113	Nanostructured LiMnO with LiPO Integrated at the Atomic Scale for High-Energy Electrode Materials with Reversible Anionic Redox. <i>ACS Central Science</i> , 2020 , 6, 2326-2338	16.8	12
112	Activation and stabilization mechanisms of anionic redox for Li storage applications: Joint experimental and theoretical study on Li ₂ TiO ₃ ∕MnO ₂ binary system. <i>Materials Today</i> , 2020 , 37, 43-55	21.8	29
111	Tuning cation migration. <i>Nature Materials</i> , 2020 , 19, 372-373	27	2
110	Structural Analysis of Sucrose-Derived Hard Carbon and Correlation with the Electrochemical Properties for Lithium, Sodium, and Potassium Insertion. <i>Chemistry of Materials</i> , 2020 , 32, 2961-2977	9.6	65
109	Electrochemical Properties of LiNiO ₂ Integrated with Nanosize Li ₃ PO ₄ . <i>ECS Meeting Abstracts</i> , 2020 , MA2020-02, 3533-3533	0	

108	Lithium Storage Properties of Rocksalt-Type Li-Excess Titanium Sulfides. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-02, 3534-3534	0	
107	Charge Compensation Mechanism of Lithium-Excess Metal Oxides with Different Covalent and Ionic Characters Revealed by Operando Soft and Hard X-ray Absorption Spectroscopy. <i>Chemistry of Materials</i> , 2020 , 32, 139-147	9.6	21
106	Nanosize Cation-Disordered Rocksalt Oxides: Na TiO -NaMnO Binary System. <i>Small</i> , 2020 , 16, e1902462	11	12
105	Influence of Synthesis Conditions on Electrochemical Properties of P2-Type Na _{2/3} Fe _{2/3} Mn _{1/3} O ₂ for Rechargeable Na Batteries. <i>Small Methods</i> , 2019 , 3, 1800032	12.8	12
104	Li/Na Storage Properties of Disordered Carbons Synthesized by Mechanical Milling. <i>Electrochemistry</i> , 2019 , 87, 276-280	1.2	7
103	Improved Electrode Performance of Lithium-Excess Molybdenum Oxyfluoride: Titanium Substitution with Concentrated Electrolyte. <i>ACS Applied Energy Materials</i> , 2019 , 2, 1629-1633	6.1	27
102	Effect of diphenylethane as an electrolyte additive to enhance high-temperature durability of LiCoO ₂ /graphite cells. <i>Electrochimica Acta</i> , 2018 , 270, 120-128	6.7	6
101	Synthesis of Conjugated Carbonyl Containing Polymer Negative Electrodes for Sodium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A434-A438	3.9	10
100	Effect of Nanosizing on Reversible Sodium Storage in a NaCrO ₂ Electrode. <i>ACS Applied Nano Materials</i> , 2018 , 1, 364-370	5.6	23
99	Li _{4/3} Ni _{1/3} Mo _{1/3} O ₂ Ni _{1/2} Mn _{1/2} O ₂ Binary System as High Capacity Positive Electrode Materials for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A1357-A1362	3.9	6
98	Material Design Concept of Lithium-Excess Electrode Materials with Rocksalt-Related Structures for Rechargeable Non-Aqueous Batteries. <i>Chemical Record</i> , 2018 , 19, 690	6.6	36
97	Metastable and nanosize cation-disordered rocksalt-type oxides: revisit of stoichiometric LiMnO ₂ and NaMnO ₂ . <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13943-13951	13	34
96	Reversible Three-Electron Redox Reaction of Mo ³⁺ /Mo ⁶⁺ for Rechargeable Lithium Batteries. <i>ACS Energy Letters</i> , 2017 , 2, 733-738	20.1	39
95	Acrylonitrile-grafted poly(vinyl alcohol) copolymer as effective binder for high-voltage spinel positive electrode. <i>Journal of Power Sources</i> , 2017 , 358, 121-127	8.9	8
94	Na-Excess Cation-Disordered Rocksalt Oxide: Na _{1.3} Nb _{0.3} Mn _{0.4} O ₂ . <i>Chemistry of Materials</i> , 2017 , 29, 5043-5047	9.6	29
93	Solid-state Redox Reaction of Oxide Ions for Rechargeable Batteries. <i>Chemistry Letters</i> , 2017 , 46, 412-422	7	48
92	Reversible Li storage for nanosize cation/anion-disordered rocksalt-type oxyfluorides: LiMoO ₂ & LiF (0 & ∞) binary system. <i>Journal of Power Sources</i> , 2017 , 367, 122-129	8.9	42
91	All-solid-state ion-selective electrodes with redox-active lithium, sodium, and potassium insertion materials as the inner solid-contact layer. <i>Analyst, The</i> , 2017 , 142, 3857-3866	5	15

90	Lithium-Excess Cation-Disordered Rocksalt-Type Oxide with Nanoscale Phase Segregation: $\text{Li}_{1.25}\text{Nb}_{0.25}\text{V}_{0.5}\text{O}_2$. <i>Chemistry of Materials</i> , 2017 , 29, 6927-6935	9.6	59
89	High performance red phosphorus electrode in ionic liquid-based electrolyte for Na-ion batteries. <i>Journal of Power Sources</i> , 2017 , 363, 404-412	8.9	41
88	Effect of Hexafluorophosphate and Fluoroethylene Carbonate on Electrochemical Performance and the Surface Layer of Hard Carbon for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2016 , 3, 1856-1867	4.3	96
87	Thermal Stability of NaCrO for Rechargeable Sodium Batteries; Studies by High-Temperature Synchrotron X-ray Diffraction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32292-32299	9.5	35
86	Synthesis and electrochemical properties of $\text{Li}_{1.3}\text{Nb}_{0.3}\text{V}_{0.4}\text{O}_2$ as a positive electrode material for rechargeable lithium batteries. <i>Chemical Communications</i> , 2016 , 52, 2051-4	5.8	59
85	Black Phosphorus as a High-Capacity, High-Capability Negative Electrode for Sodium-Ion Batteries: Investigation of the Electrode/Electrolyte Interface. <i>Chemistry of Materials</i> , 2016 , 28, 1625-1635	9.6	199
84	Synthesis and Electrochemical Properties of $\text{Li}_4\text{MoO}_5\text{NiO}$ Binary System as Positive Electrode Materials for Rechargeable Lithium Batteries. <i>Chemistry of Materials</i> , 2016 , 28, 416-419	9.6	45
83	Understanding Particle-Size-Dependent Electrochemical Properties of Li_2MnO_3 -Based Positive Electrode Materials for Rechargeable Lithium Batteries. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 875-885	3.8	55
82	Understanding the Structural Evolution and Redox Mechanism of a $\text{NaFeO}_2\text{NaCoO}_2$ Solid Solution for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 6047-6059	15.6	107
81	Impact of the Cut-Off Voltage on Cyclability and Passive Interphase of Sn-Polyacrylate Composite Electrodes for Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15017-15026	3.8	33
80	Synthesis and Electrode Performance of $\text{Li}_4\text{MoO}_5\text{-LiFeO}_2$ Binary System as Positive Electrode Materials for Rechargeable Lithium Batteries. <i>Electrochemistry</i> , 2016 , 84, 797-801	1.2	24
79	Origin of stabilization and destabilization in solid-state redox reaction of oxide ions for lithium-ion batteries. <i>Nature Communications</i> , 2016 , 7, 13814	17.4	249
78	Layered $\text{Na}_x\text{Cr}_x\text{Ti}_{1-x}\text{O}_2$ as Bifunctional Electrode Materials for Rechargeable Sodium Batteries. <i>Chemistry of Materials</i> , 2016 , 28, 7006-7016	9.6	46
77	Electrochemical Properties of LiCoO_2 Electrodes with Latex Binders on High-Voltage Exposure. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A538-A544	3.9	55
76	Improvement of Electrochemical Performance of Bilirubin Oxidase Modified Gas Diffusion Biocathode by Hydrophilic Binder. <i>Journal of the Electrochemical Society</i> , 2015 , 162, F1425-F1430	3.9	9
75	Acrylic Acid-Based Copolymers as Functional Binder for Silicon/Graphite Composite Electrode in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A2245-A2249	3.9	28
74	Degradation Mechanisms of Electric Double Layer Capacitors with Activated Carbon Electrodes on High Voltage Exposure. <i>Electrochemistry</i> , 2015 , 83, 609-618	1.2	11
73	Crystal Structures and Electrochemical Properties of P_2/O_2 -type Mn-based Layered Oxides. <i>Hamon</i> , 2015 , 25, 264-267	0	

72	High-capacity electrode materials for rechargeable lithium batteries: Li ₃ NbO ₄ -based system with cation-disordered rocksalt structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7650-5	11.5	313
71	Electrochemical lithiation performance and characterization of silicon-graphite composites with lithium, sodium, potassium, and ammonium polyacrylate binders. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3783-95	3.6	61
70	New Insight into Structural Evolution in Layered NaCrO ₂ during Electrochemical Sodium Extraction. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 166-175	3.8	119
69	Improved High-Temperature Performance and Surface Chemistry of Graphite/LiMn ₂ O ₄ Li-Ion Cells by Fluorosilane-Based Electrolyte Additive. <i>Electrochimica Acta</i> , 2015 , 160, 347-356	6.7	23
68	New O ₂ /P ₂ -type Li-Excess Layered Manganese Oxides as Promising Multi-Functional Electrode Materials for Rechargeable Li/Na Batteries. <i>Advanced Energy Materials</i> , 2014 , 4, 1301453	21.8	228
67	Research development on sodium-ion batteries. <i>Chemical Reviews</i> , 2014 , 114, 11636-82	68.1	3941
66	A new electrode material for rechargeable sodium batteries: P ₂ -type Na _{2/3} [Mg _{0.28} Mn _{0.72}]O ₂ with anomalously high reversible capacity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16851-16855	13	227
65	P ₂ -type Na _(2/3) Ni _(1/3) Mn _(2/3-x) Ti _(x) O ₂ as a new positive electrode for higher energy Na-ion batteries. <i>Chemical Communications</i> , 2014 , 50, 3677-80	5.8	276
64	Double-layered polyion complex for application to biosensing electrodes. <i>Electrochemistry Communications</i> , 2014 , 47, 88-91	5.1	4
63	Negative electrodes for Na-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 15007-28	3.6	494
62	Fabrication of carbon-felt-based multi-enzyme immobilized anodes to oxidize sucrose for biofuel cells. <i>ChemPhysChem</i> , 2014 , 15, 2145-51	3.2	23
61	Sodium carboxymethyl cellulose as a potential binder for hard-carbon negative electrodes in sodium-ion batteries. <i>Electrochemistry Communications</i> , 2014 , 44, 66-69	5.1	149
60	Na ₂ CoPO ₄ F as a High-voltage Electrode Material for Na-ion Batteries. <i>Electrochemistry</i> , 2014 , 82, 909-911	12	35
59	Layered oxides as positive electrode materials for Na-ion batteries. <i>MRS Bulletin</i> , 2014 , 39, 416-422	3.2	177
58	Recent research progress on iron- and manganese-based positive electrode materials for rechargeable sodium batteries. <i>Science and Technology of Advanced Materials</i> , 2014 , 15, 043501	7.1	157
57	Phosphorus Electrodes in Sodium Cells: Small Volume Expansion by Sodiation and the Surface-Stabilization Mechanism in Aprotic Solvent. <i>ChemElectroChem</i> , 2014 , 1, 580-589	4.3	169
56	A comparative study of LiCoO ₂ polymorphs: structural and electrochemical characterization of O ₂ -, O ₃ -, and O ₄ -type phases. <i>Inorganic Chemistry</i> , 2013 , 52, 9131-42	5.1	44
55	NMR study for electrochemically inserted Na in hard carbon electrode of sodium ion battery. <i>Journal of Power Sources</i> , 2013 , 225, 137-140	8.9	151

54	A layer-structured Na ₂ CoP ₂ O ₇ pyrophosphate cathode for sodium-ion batteries. <i>RSC Advances</i> , 2013 , 3, 3857	3.7	82
53	NaFe _{0.5} Co _{0.5} O ₂ as high energy and power positive electrode for Na-ion batteries. <i>Electrochemistry Communications</i> , 2013 , 34, 60-63	5.1	227
52	Synthesis and Electrode Performance of O ₃ -Type NaFeO ₂ -NaNi _{1/2} Mn _{1/2} O ₂ Solid Solution for Rechargeable Sodium Batteries. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A3131-A3137	3.9	154
51	Structural and Electrochemical Characterizations on Li ₂ MnO ₃ -LiCoO ₂ -LiCrO ₂ System as Positive Electrode Materials for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A39-A45	3.9	45
50	Efficient Electrolyte Additives of Phosphate, Carbonate, and Borate to Improve Redox Capacitor Performance of Manganese Oxide Electrodes. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A1952-A1961	3.9	19
49	Nano-structured birnessite prepared by electrochemical activation of manganese(III)-based oxides for aqueous supercapacitors. <i>Electrochimica Acta</i> , 2012 , 59, 455-463	6.7	42
48	Study on the reversible electrode reaction of Na(1-x)Ni(0.5)Mn(0.5)O ₂ for a rechargeable sodium-ion battery. <i>Inorganic Chemistry</i> , 2012 , 51, 6211-20	5.1	480
47	Crop-derived polysaccharides as binders for high-capacity silicon/graphite-based electrodes in lithium-ion batteries. <i>ChemSusChem</i> , 2012 , 5, 2307-11	8.3	80
46	Redox reaction of Sn-polyacrylate electrodes in aprotic Na cell. <i>Electrochemistry Communications</i> , 2012 , 21, 65-68	5.1	351
45	High-capacity Si/graphite composite electrodes with a self-formed porous structure by a partially neutralized polyacrylate for Li-ion batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 9014	35.4	137
44	Electrochemical behavior and structural change of spinel-type Li[LixMn _{2-x}]O ₄ (x = 0 and 0.2) in sodium cells. <i>Electrochimica Acta</i> , 2012 , 82, 296-301	6.7	43
43	Comparative Study of Sodium Polyacrylate and Poly(vinylidene fluoride) as Binders for High Capacity Si/graphite Composite Negative Electrodes in Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1380-1389	3.8	174
42	P ₂ -type Na _x [Fe(1/2)Mn(1/2)]O ₂ made from earth-abundant elements for rechargeable Na batteries. <i>Nature Materials</i> , 2012 , 11, 512-7	27	1639
41	Cross-Linked Poly(acrylic acid) with Polycarbodiimide as Advanced Binder for Si/Graphite Composite Negative Electrodes in Li-Ion Batteries. <i>ECS Electrochemistry Letters</i> , 2012 , 2, A17-A20		54
40	2.??? <i>Electrochemistry</i> , 2012 , 80, 93-97	1.2	2
39	Interfacial Charge Storage of Manganese Oxide Electrodes for Electrochemical Capacitors 2012 , 491-507		
38	Crystal Structures and Electrode Performance of Alpha-NaFeO ₂ for Rechargeable Sodium Batteries. <i>Electrochemistry</i> , 2012 , 80, 716-719	1.2	271
37	A Comparison of Crystal Structures and Electrode Performance between Na ₂ FePO ₄ F and Na ₂ Fe _{0.5} Mn _{0.5} PO ₄ F Synthesized by Solid-State Method for Rechargeable Na-Ion Batteries. <i>Electrochemistry</i> , 2012 , 80, 80-84	1.2	59

36	Low-temperature phase of Li ₂ FeSiO ₄ : crystal structure and a preliminary study of electrochemical behavior. <i>Dalton Transactions</i> , 2011 , 40, 1846-8	4.3	31
35	Fluorinated ethylene carbonate as electrolyte additive for rechargeable Na batteries. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4165-8	9.5	496
34	Study on Polymer Binders for High-Capacity SiO Negative Electrode of Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13487-13495	3.8	287
33	Design principles for oxygen-reduction activity on perovskite oxide catalysts for fuel cells and metal-air batteries. <i>Nature Chemistry</i> , 2011 , 3, 546-50	17.6	1940
32	Polyacrylate as Functional Binder for Silicon and Graphite Composite Electrode in Lithium-Ion Batteries. <i>Electrochemistry</i> , 2011 , 79, 6-9	1.2	45
31	Synthesis and electrode performance of carbon coated Na ₂ FePO ₄ F for rechargeable Na batteries. <i>Electrochemistry Communications</i> , 2011 , 13, 1225-1228	5.1	214
30	Detailed studies of a high-capacity electrode material for rechargeable batteries, Li ₂ MnO ₃ -LiCo(1/3)Ni(1/3)Mn(1/3)O ₂ . <i>Journal of the American Chemical Society</i> , 2011 , 133, 4404-19	16.4	957
29	Electrochemical Na Insertion and Solid Electrolyte Interphase for Hard-Carbon Electrodes and Application to Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2011 , 21, 3859-3867	15.6	1495
28	Graphite-Silicon-Polyacrylate Negative Electrodes in Ionic Liquid Electrolyte for Safer Rechargeable Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2011 , 1, 759-765	21.8	120
27	Effect of heat-treatment process on FeF ₃ nanocomposite electrodes for rechargeable Li batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10035		65
26	The Influence of Heat-Treatment Temperature on the Cation Distribution of LiNi _{0.5} Mn _{0.5} O ₂ and Its Rate Capability in Lithium Rechargeable Batteries. <i>Journal of the Electrochemical Society</i> , 2011 , 158, A192	3.9	15
25	High-power lithium batteries from functionalized carbon-nanotube electrodes. <i>Nature Nanotechnology</i> , 2010 , 5, 531-7	28.7	946
24	The Influence of Surface Chemistry on the Rate Capability of LiNi _{0.5} Mn _{0.5} O ₂ for Lithium Rechargeable Batteries. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, A158		14
23	Electrocatalytic Measurement Methodology of Oxide Catalysts Using a Thin-Film Rotating Disk Electrode. <i>Journal of the Electrochemical Society</i> , 2010 , 157, B1263	3.9	304
22	Electrochemical Insertion of Li and Na Ions into Nanocrystalline Fe ₃ O ₄ and Fe ₂ O ₃ for Rechargeable Batteries. <i>Journal of the Electrochemical Society</i> , 2010 , 157, A60	3.9	134
21	Hydrothermal Synthesis and Characterization of Li ₂ FeSiO ₄ as Positive Electrode Materials for Li-Ion Batteries. <i>Electrochemistry</i> , 2010 , 78, 363-366	1.2	26
20	Functional binders for reversible lithium intercalation into graphite in propylene carbonate and ionic liquid media. <i>Journal of Power Sources</i> , 2010 , 195, 6069-6074	8.9	104
19	High-temperature X-ray diffraction study of crystallization and phase segregation on spinel-type lithium manganese oxides. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 234-241	3.3	20

18	Electrochemical intercalation activity of layered NaCrO ₂ vs. LiCrO ₂ . <i>Electrochemistry Communications</i> , 2010 , 12, 355-358	5.1	453
17	Probing the Origin of Enhanced Stability of AlPO ₄ Nanoparticle Coated LiCoO ₂ during Cycling to High Voltages: Combined XRD and XPS Studies. <i>Chemistry of Materials</i> , 2009 , 21, 4408-4424	9.6	222
16	Roles of surface steps on Pt nanoparticles in electro-oxidation of carbon monoxide and methanol. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15669-77	16.4	179
15	Origin of Oxygen Reduction Reaction Activity on Pt ₃ Co Nanoparticles: Atomically Resolved Chemical Compositions and Structures. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1109-1125	3.8	247
14	A New Polymorph of Layered LiCoO ₂ . <i>Chemistry Letters</i> , 2009 , 38, 954-955	1.7	19
13	Enhanced activity for oxygen reduction reaction on "Pt ₃ Co" nanoparticles: direct evidence of percolated and sandwich-segregation structures. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13818-9	16.4	255
12	Thermal Instability of Cycled Li _x Ni _{0.5} Mn _{0.5} O ₂ Electrodes: An in Situ Synchrotron X-ray Powder Diffraction Study. <i>Chemistry of Materials</i> , 2008 , 20, 4936-4951	9.6	71
11	Electrochemical Control of the Magnetic Moment of CrO ₂ . <i>Journal of the Electrochemical Society</i> , 2008 , 155, P83	3.9	15
10	Partially reversible changes in magnetic properties of CrO ₂ nanoparticles through electrochemical cycling. <i>Journal of Applied Physics</i> , 2008 , 103, 07D708	2.5	1
9	Changes in the Cation Ordering of Layered O ₃ Li _x Ni _{0.5} Mn _{0.5} O ₂ during Electrochemical Cycling to High Voltages: An Electron Diffraction Study. <i>Chemistry of Materials</i> , 2007 , 19, 2551-2565	9.6	105
8	Changes in the Crystal Structure and Electrochemical Properties of Li _x Ni _{0.5} Mn _{0.5} O ₂ during Electrochemical Cycling to High Voltages. <i>Journal of the Electrochemical Society</i> , 2007 , 154, A566	3.9	43
7	Solid-State Chemistry and Electrochemistry of LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ for Advanced Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2007 , 154, A314	3.9	233
6	Solid-State Chemistry and Electrochemistry of LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ for Advanced Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A1434	3.9	169
5	Electrochemical behaviors of LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ in lithium batteries at elevated temperatures. <i>Journal of Power Sources</i> , 2005 , 146, 636-639	8.9	101
4	Materials Strategy for Advanced Lithium-Ion (Shuttlecock) Batteries: Lithium Nickel Manganese Oxides with or without Cobalt. <i>Electrochemistry</i> , 2005 , 73, 2-11	1.2	46
3	Solid-State Chemistry and Electrochemistry of LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ for Advanced Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A1545	3.9	140
2	Novel lithium insertion material of LiCo _{1/3} Ni _{1/3} Mn _{1/3} O ₂ for advanced lithium-ion batteries. <i>Journal of Power Sources</i> , 2003 , 119-121, 171-174	8.9	698
1	Highly Graphitic Carbon Coating on Li _{1.25} Nb _{0.25} V _{0.5} O ₂ Derived from a Precursor with a Perylene Core for High-Power Battery Applications. <i>Chemistry of Materials</i> ,	9.6	2

