Chong S Yoon

List of Publications by Year
in descending order

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264 papers	22,065 citations	6613 79 h-index	9103 144 g-index
270 all docs	270 docs citations	270 times ranked	13050 citing authors

#	Article	IF	Citations
1	Evolution of a Radially Aligned Microstructure in Boron-Doped Li[Ni_{0.95}Co_{0.04}Al_{0.01}]O₂ Cathode Particles. ACS Applied Materials & Interfaces, 2022, 14, 17500-17508.	8.0	19
2	Highâ€Energy Niâ€Rich Cathode Materials for Longâ€Range and Longâ€Life Electric Vehicles. Advanced Energy Materials, 2022, 12, .	19.5	43
3	Enhanced cycling stability of Sn-doped Li[Ni0.90Co0.05Mn0.05]O2 via optimization of particle shape and orientation. Chemical Engineering Journal, 2021, 405, 126887.	12.7	38
4	Microstrain Alleviation in High-Energy Ni-Rich NCMA Cathode for Long Battery Life. ACS Energy Letters, 2021, 6, 216-223.	17.4	82
5	Cation ordered Ni-rich layered cathode for ultra-long battery life. Energy and Environmental Science, 2021, 14, 1573-1583.	30.8	83
6	Reducing cobalt from lithium-ion batteries for the electric vehicle era. Energy and Environmental Science, 2021, 14, 844-852.	30.8	174
7	Microstructure Engineered Niâ€Rich Layered Cathode for Electric Vehicle Batteries. Advanced Energy Materials, 2021, 11, 2100884.	19.5	76
8	Mn Fe5â^'Si3 for active magnetic regenerative refrigeration at room temperature. Journal of Magnetism and Magnetic Materials, 2021, 530, 167952.	2.3	2
9	Capacity Fading Mechanisms in Ni-Rich Single-Crystal NCM Cathodes. ACS Energy Letters, 2021, 6, 2726-2734.	17.4	258
10	Ultra-stable cycling of multi-doped (Zr,B) Li[Ni0.885Co0.100Al0.015]O2 cathode. Journal of Power Sources, 2021, 513, 230548.	7.8	16
11	High-performance Ni-rich Li[Ni_{0.9â€“x}Co_{0.1}Al_x]O₂ cathodes via multi-stage microstructural tailoring from hydroxide precursor to the lithiated oxide. Energy and Environmental Science, 2021, 14, 5084-5095.	30.8	47
12	High-Energy Cathodes via Precision Microstructure Tailoring for Next-Generation Electric Vehicles. ACS Energy Letters, 2021, 6, 4195-4202.	17.4	44
13	Transition metal-doped Ni-rich layered cathode materials for durable Li-ion batteries. Nature Communications, 2021, 12, 6552.	12.8	167
14	Ultrafine-grained Ni-rich layered cathode for advanced Li-ion batteries. Energy and Environmental Science, 2021, 14, 6616-6626.	30.8	82
15	Cobaltâ€Free Highâ€Capacity Niâ€Rich Layered Li[Ni_{0.9}Mn_{0.1}]O₂ Cathode. Advanced Energy Materials, 2020, 10, 1903179.	19.5	141
16	Niâ€Rich Layered Cathode Materials with Electrochemoâ€Mechanically Compliant Microstructures for Allâ€Solidâ€State Li Batteries. Advanced Energy Materials, 2020, 10, 1903360.	19.5	136
17	High-Energy W-Doped Li[Ni0.95Co0.04Al0.01]O2 Cathodes for Next-Generation Electric Vehicles. Energy Storage Materials, 2020, 33, 399-407.	18.0	88
18	Heuristic solution for achieving long-term cycle stability for Ni-rich layered cathodes at full depth of discharge. Nature Energy, 2020, 5, 860-869.	39.5	278

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19	Tungsten Oxide/Zirconia as a Functional Polysulfide Mediator for High-Performance Lithiumâ€“Sulfur Batteries. ACS Energy Letters, 2020, 5, 3168-3175.	17.4	38
20	New Class of Niâ€Rich Cathode Materials Li[Ni_xCo_yB_{1â^'}_x_{â^'}_y<sub>]O₂ for Next Lithium Batteries. Advanced Energy Materials, 2020, 10, 2000495.	19.5	121
21	Multi-Doped (Ga,B) Li[Ni_{0.885}Co_{0.100}Al_{0.015}]O₂Cathode. Journal of the Electrochemical Society, 2020, 167, 100557.	2.9	13
22	A highly stabilized Ni-rich NCA cathode for high-energy lithium-ion batteries. Materials Today, 2020, 36, 73-82.	14.2	163
23	Magnetocaloric properties of Nd Gd5-Si4Mn0.5Cr0.5 (xÂ= 0.5, 1, 1.5). Journal of Alloys and Compounds, 2020, 827, 154302.	5.5	2
24	Mn5â^'xGe3Nix refrigerant for active magnetic refrigeration. Journal of Applied Physics, 2020, 128, .	2.5	7
25	Degradation Mechanism of Highly Ni-Rich Li[Ni_xCo_yMn_{1â€“xâ€“y}]O₂ Cathodes with x > 0.9. ACS Applied Materials & Interfaces, 2019, 11, 30936-30942.	8.0	152
26	Suppressing detrimental phase transitions via tungsten doping of LiNiO₂ cathode for next-generation lithium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 18580-18588.	10.3	175
27	Li[Ni_{0.9}Co_{0.09}W_{0.01}]O₂: A New Type of Layered Oxide Cathode with High Cycling Stability. Advanced Energy Materials, 2019, 9, 1902698.	19.5	121
28	Tungsten doping for stabilization of Li[Ni0.90Co0.05Mn0.05]O2 cathode for Li-ion battery at high voltage. Journal of Power Sources, 2019, 442, 227242.	7.8	118
29	Nano-compacted Li₂S/Graphene Composite Cathode for High-Energy Lithiumâ€“Sulfur Batteries. ACS Energy Letters, 2019, 4, 2787-2795.	17.4	37
30	Capacity Fading of Ni-Rich NCA Cathodes: Effect of Microcracking Extent. ACS Energy Letters, 2019, 4, 2995-3001.	17.4	297
31	A method of increasing the energy density of layered Ni-rich Li[Ni_{1â^'2x}Co_xMn_x]O₂ cathodes (x = 0.05, 0.1,) Tj ETQq1 1 0.784314 rgBT	10.3	431
32	Understanding on the structural and electrochemical performance of orthorhombic sodium manganese oxides. Journal of Materials Chemistry A, 2019, 7, 202-211.	10.3	39
33	Quaternary Layered Ni-Rich NCMA Cathode for Lithium-Ion Batteries. ACS Energy Letters, 2019, 4, 576-582.	17.4	217
34	Degradation Mechanism of Ni-Enriched NCA Cathode for Lithium Batteries: Are Microcracks Really Critical?. ACS Energy Letters, 2019, 4, 1394-1400.	17.4	290
35	Customizing a Liâ€“metal battery that survives practical operating conditions for electric vehicle applications. Energy and Environmental Science, 2019, 12, 2174-2184.	30.8	130
36	Microstructureâ€Controlled Niâ€Rich Cathode Material by Microscale Compositional Partition for Nextâ€Generation Electric Vehicles. Advanced Energy Materials, 2019, 9, 1803902.	19.5	175

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37	Compositionally and structurally redesigned high-energy Ni-rich layered cathode for next-generation lithium batteries. Materials Today, 2019, 23, 26-36.	14.2	118
38	New Insights Related to Rechargeable Lithium Batteries: Li Metal Anodes, Ni Rich LiNi_xCo_yMn_zO₂ Cathodes and Beyond Them. Journal of the Electrochemical Society, 2019, 166, A5265-A5274.	2.9	38
39	Unusual flow behavior of Fe-based soft magnetic amorphous ribbons under high temperature tensile loading. Current Applied Physics, 2018, 18, 411-416.	2.4	0
40	Cation Ordering of Zr-Doped LiNiO₂ Cathode for Lithium-Ion Batteries. Chemistry of Materials, 2018, 30, 1808-1814.	6.7	160
41	Toward High-Safety Potassiumâ€“Sulfur Batteries Using a Potassium Polysulfide Catholyte and Metal-Free Anode. ACS Energy Letters, 2018, 3, 540-541.	17.4	99
42	Extracting maximum capacity from Ni-rich Li[Ni_{0.95}Co_{0.025}Mn_{0.025}]O₂cathodes for high-energy-density lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 4126-4132.	10.3	199
43	Capacity Fading of Ni-Rich Li[Ni_xCo_yMn_{1â€“xâ€“y}]O₂ (0.6) Tj ETQq1 1 0.784314 Degradation?. Chemistry of Materials, 2018, 30, 1155-1163.	6.7	1,060
44	Stabilization of Lithium-Metal Batteries Based on the in Situ Formation of a Stable Solid Electrolyte Interphase Layer. ACS Applied Materials & Interfaces, 2018, 10, 17985-17993.	8.0	82
45	Highâ€Capacity Concentration Gradient Li[Ni_{0.865}Co_{0.120}Al_{0.015}]O₂ Cathode for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1703612.	19.5	154
46	Pushing the limit of layered transition metal oxide cathodes for high-energy density rechargeable Li ion batteries. Energy and Environmental Science, 2018, 11, 1271-1279.	30.8	322
47	Microstructural Degradation: Microstructural Degradation of Niâ€Rich Li[Ni_xCo_yMn₁_{â^’xâ^’y}]O₂ Cathodes During Accelerated Calendar Aging (Small 45/2018). Small, 2018, 14, 1870207.	10.0	5
48	Capacity Degradation Mechanism and Cycling Stability Enhancement of AlF₃-Coated Nanorod Gradient Na[Ni_{0.65}Co_{0.08}Mn_{0.27}]O₂ Cathode for Sodium-Ion Batteries. ACS Nano, 2018, 12, 12912-12922.	14.6	82
49	Variation of Electronic Conductivity within Secondary Particles Revealing a Capacity-Fading Mechanism of Layered Ni-Rich Cathode. ACS Energy Letters, 2018, 3, 3002-3007.	17.4	80
50	Microstructural Degradation of Niâ€Rich Li[Ni_xCo_yMn₁_{â^’xâ^’y}]O₂ Cathodes During Accelerated Calendar Aging. Small, 2018, 14, e1803179.	10.0	86
51	Interface morphology effect on the spin mixing conductance of Pt/Fe3O4 bilayers. Scientific Reports, 2018, 8, 13907.	3.3	17
52	Microstructure Evolution of Concentration Gradient Li[Ni_{0.75}Co_{0.10}Mn_{0.15}]O₂ Cathode for Lithiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1802090.	14.9	62
53	Improved Cycling Stability of Li[Ni_{0.90}Co_{0.05}Mn_{0.05}]O₂ Through Microstructure Modification by Boron Doping for Liâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1801202.	19.5	336
54	Self-Passivation of a LiNiO₂ Cathode for a Lithium-Ion Battery through Zr Doping. ACS Energy Letters, 2018, 3, 1634-1639.	17.4	161

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55	Characterization of Sputter-Deposited LiCoO₂ Thin Film Grown on NASICON-type Electrolyte for Application in All-Solid-State Rechargeable Lithium Battery. ACS Applied Materials & Interfaces, 2017, 9, 16063-16070.	8.0	98
56	Structural Stability of LiNiO₂ Cycled above 4.2 V. ACS Energy Letters, 2017, 2, 1150-1155.	17.4	292
57	High-Energy Density Coreâ€“Shell Structured Li[Ni_{0.95}Co_{0.025}Mn_{0.025}]O₂ Cathode for Lithium-Ion Batteries. Chemistry of Materials, 2017, 29, 5048-5052.	6.7	123
58	The reaction mechanism revealed. Nature Nanotechnology, 2017, 12, 503-504.	31.5	2
59	Nickel-Rich Layered Cathode Materials for Automotive Lithium-Ion Batteries: Achievements and Perspectives. ACS Energy Letters, 2017, 2, 196-223.	17.4	1,033
60	Critical behavior and magnetocaloric effect of Mn4.75Ge3(Co, Fe)0.25 alloys. Journal of Alloys and Compounds, 2017, 696, 931-937.	5.5	20
61	Direct measurement of the magnetocaloric effect (Î”Tad) of Mn5â^' (Fe,Co) Ge3. Journal of Alloys and Compounds, 2017, 729, 603-606.	5.5	12
62	Growing instead of confining. Nature Energy, 2017, 2, 768-769.	39.5	5
63	Resolving the degradation pathways of the O3-type layered oxide cathode surface through the nano-scale aluminum oxide coating for high-energy density sodium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 23671-23680.	10.3	107
64	Extending the Battery Life Using an Al-Doped Li[Ni_{0.76}Co_{0.09}Mn_{0.15}]O₂ Cathode with Concentration Gradients for Lithium Ion Batteries. ACS Energy Letters, 2017, 2, 1848-1854.	17.4	162
65	High-Energy Ni-Rich Li[Ni_xCo_yMn_{1â€“xâ€“y}]O₂ Cathodes via Compositional Partitioning for Next-Generation Electric Vehicles. Chemistry of Materials, 2017, 29, 10436-10445.	6.7	189
66	Non-Enzymatic Sensing of Hydrogen Peroxide Using Directly Deposited Au Nanoparticles on Solid-Supported Phospholipid Film. Journal of the Electrochemical Society, 2017, 164, B753-B757.	2.9	2
67	Periodically ordered inverse opal TiO2/polyaniline core/shell design for electrochemical energy storage applications. Journal of Alloys and Compounds, 2017, 694, 111-118.	5.5	21
68	Magnetocaloric effect of compositionally partitioned Mn5â^'Ge3Ni alloys produced by solid state sintering. Journal of Alloys and Compounds, 2016, 681, 541-546.	5.5	19
69	High-energy-density lithium-ion battery using a carbon-nanotubeâ€“Si composite anode and a compositionally graded Li[Ni_{0.85}Co_{0.05}Mn_{0.10}]O₂ cathode. Energy and Environmental Science, 2016, 9, 2152-2158.	30.8	269
70	Novel Cathode Materials for Naâ€Ion Batteries Composed of Spokeâ€Like Nanorods of Na[Ni_{0.61}Co_{0.12}Mn_{0.27}]O₂ Assembled in Spherical Secondary Particles. Advanced Functional Materials, 2016, 26, 8083-8093.	14.9	78
71	A comprehensive study of the role of transition metals in O3-type layered Na[Ni_xCo_yMn_z]O₂ (x = 1/3, 0.5, 0.6, and 0.8) cathodes for sodium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 17952-17959.	10.3	110
72	Compositionally Graded Cathode Material with Longâ€Term Cycling Stability for Electric Vehicles Application. Advanced Energy Materials, 2016, 6, 1601417.	19.5	137

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73	Lithium-Ion Batteries: Compositionally Graded Cathode Material with Long-Term Cycling Stability for Electric Vehicles Application (Adv. Energy Mater. 22/2016). Advanced Energy Materials, 2016, 6, .	19.5	1
74	Critical Role of pH Evolution of Electrolyte in the Reaction Mechanism for Rechargeable Zinc Batteries. ChemSusChem, 2016, 9, 2948-2956.	6.8	332
75	Comparative Study of Ni-Rich Layered Cathodes for Rechargeable Lithium Batteries: Li[Ni_{0.85}Co_{0.11}Al_{0.04}]O₂ and Li[Ni_{0.84}Co_{0.06}Mn_{0.09}Al_{0.01}]O₂ with Two-Step Full Concentration Gradients. ACS Energy Letters, 2016, 1, 283-289.	17.4	110
76	Nickel oxalate dihydrate nanorods attached to reduced graphene oxide sheets as a high-capacity anode for rechargeable lithium batteries. NPG Asia Materials, 2016, 8, e270-e270.	7.9	53
77	Adhesion of sputter-deposited Cu/Ti film on plasma-treated polymer substrate. Thin Solid Films, 2016, 600, 90-97.	1.8	14
78	Advanced Concentration Gradient Cathode Material with Twoâ€Slope for Highâ€Energy and Safe Lithium Batteries. Advanced Functional Materials, 2015, 25, 4673-4680.	14.9	127
79	Improved Performances of Li[Ni_{0.65}Co_{0.08}Mn_{0.27}]O₂Cathode Material with Full Concentration Gradient for Li-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A3059-A3063.	2.9	30
80	Nanoconfinement of low-conductivity products in rechargeable sodiumâ€“air batteries. Nano Energy, 2015, 12, 123-130.	16.0	63
81	Carbon-coated Li4Ti5O12 nanowires showing high rate capability as an anode material for rechargeable sodium batteries. Nano Energy, 2015, 12, 725-734.	16.0	109
82	Magnetocaloric refrigerant with wide operating temperature range based on Mn5â^'Ge3(Co,Fe) composite. Journal of Alloys and Compounds, 2015, 644, 464-469.	5.5	16
83	Improvement of Electrochemical Properties of Lithiumâ€“Oxygen Batteries Using a Silver Electrode. Journal of Physical Chemistry C, 2015, 119, 15036-15040.	3.1	22
84	High surface area, mesoporous carbon for low-polarization, catalyst-free lithium oxygen battery. Solid State Ionics, 2015, 278, 133-137.	2.7	12
85	A new synthetic method of titanium oxyfluoride and its application as an anode material for rechargeable lithium batteries. Journal of Power Sources, 2015, 288, 376-383.	7.8	18
86	A Strategy for the Formation of Goldâ€“Palladium Supra-Nanoparticles from Gold Nanoparticles of Various Shapes and Their Application to High-Performance H₂O₂ Sensing. Journal of Physical Chemistry C, 2015, 119, 26164-26170.	3.1	40
87	Characterization of Sputter-Deposited LiZr₂(PO₄)₃Thin Film Solid Electrolyte. Journal of the Electrochemical Society, 2015, 162, A2080-A2084.	2.9	5
88	Reviewâ€"High-Capacity Li[Ni₁₋_xCo_x_{/2}Mn_x_{/2}]O₂ 162, A2483-A2489.	2.9	127
89	Effect of Lithium in Transition Metal Layers of Ni-Rich Cathode Materials on Electrochemical Properties. Journal of the Electrochemical Society, 2015, 162, A2313-A2318.	2.9	16
90	Effect of outer layer thickness on full concentration gradient layered cathode material for lithium-ion batteries. Journal of Power Sources, 2015, 273, 663-669.	7.8	23

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91	Magnetocaloric effect of Mn5+xGe3â^'x alloys. Journal of Alloys and Compounds, 2015, 620, 164-167.	5.5	14
92	New optical transition, structural, and ferromagnetic properties of InCrP:Zn implanted with Cr. Journal of Luminescence, 2014, 154, 593-596.	3.1	4
93	Observation of ferromagnetic semiconductor behavior in manganese-oxide doped graphene. AIP Advances, 2014, 4, 087120.	1.3	6
94	Preparation of SERS active Ag nanoparticles encapsulated by phospholipids. Journal of Raman Spectroscopy, 2014, 45, 292-298.	2.5	8
95	Molecular dynamics simulation of interlayer water embedded in phospholipid bilayer. Materials Science and Engineering C, 2014, 36, 49-56.	7.3	2
96	Anatase Titania Nanorods as an Intercalation Anode Material for Rechargeable Sodium Batteries. Nano Letters, 2014, 14, 416-422.	9.1	422
97	Optimization of Layered Cathode Material with Full Concentration Gradient for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2014, 118, 175-182.	3.1	37
98	High Electrochemical Performances of Microsphere C-TiO₂ Anode for Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2014, 6, 11295-11301.	8.0	213
99	Room-temperature magnetocaloric effect of Niâ€“Coâ€“Mnâ€“Al Heusler alloys. Journal of Alloys and Compounds, 2014, 616, 66-70.	5.5	18
100	Stabilization of Solid-Supported Phospholipid Multilayer against Water by Gramicidin Addition. Journal of Physical Chemistry B, 2014, 118, 3035-3040.	2.6	1
101	Enhanced ferromagnetism by preventing antiferromagnetic MnO2 in InP:Be/Mn/InP:Be triple layers fabricated using molecular beam epitaxy. Current Applied Physics, 2014, 14, 558-562.	2.4	2
102	Advanced Na[Ni_{0.25}Fe_{0.5}Mn_{0.25}]O₂/Câ€“Fe₃O₄ Sodium-Ion Batteries Using EMS Electrolyte for Energy Storage. Nano Letters, 2014, 14, 1620-1626.	9.1	283
103	Electrochemically-induced reversible transition from the tunneled to layered polymorphs of manganese dioxide. Scientific Reports, 2014, 4, 6066.	3.3	275
104	Black anatase titania enabling ultra high cycling rates for rechargeable lithium batteries. Energy and Environmental Science, 2013, 6, 2609.	30.8	221
105	Surface-enhanced Raman scattering substrate based on silver nanoparticle-deposited phospholipid multilayer. Applied Surface Science, 2013, 287, 369-374.	6.1	5
106	Deposition of Metal Nanoparticles on Phospholipid Multilayer Membranes Modified by Gramicidin. Langmuir, 2013, 29, 13251-13257.	3.5	1
107	Ordered Mesoporous Carbon Electrodes for Liâ€“O₂ Batteries. ACS Applied Materials & Interfaces, 2013, 5, 13426-13431.	8.0	69
108	Systematic and consistent ferromagnetism in InMnP:Zn bilayers for various Mn concentrations and annealing temperatures. Journal of the Korean Physical Society, 2013, 63, 2158-2164.	0.7	0

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109	Phase transitions and magnetocaloric effect of Ni1.7Co0.3Mn1+xAl1â^'x Heusler alloys. Journal of Alloys and Compounds, 2013, 557, 265-269.	5.5	19
110	Comparison of the structural and electrochemical properties of layered Li[NixCoyMnz]O2 (xÂ=Â1/3, 0.5,) Tj ETQq0 0 0 rgBT /Overlock 1 121-130.	7.8	1,694
111	Improvement of long-term cycling performance of Li[Ni0.8Co0.15Al0.05]O2 by AlF3 coating. Journal of Power Sources, 2013, 234, 201-207.	7.8	237
112	Cathode Material with Nanorod Structureâ€"An Application for Advanced High-Energy and Safe Lithium Batteries. Chemistry of Materials, 2013, 25, 2109-2115.	6.7	137
113	Influence of Temperature on Lithiumâ€"Oxygen Battery Behavior. Nano Letters, 2013, 13, 2971-2975.	9.1	63
114	Structure and magnetic properties of low-temperature annealed Ni-Mn-Al alloys. Journal of Applied Physics, 2013, 113, .	2.5	10
115	Optical and Structural Properties of Ag:Ta₂O₅ Nanocomposites. Journal of Nanoscience and Nanotechnology, 2013, 13, 3451-3454.	0.9	2
116	Effect of in-situ application of ultrasonic waves during formation of silver nanoparticles embedded in phospholipid membrane. Journal of Applied Physics, 2013, 114, 144702.	2.5	1
117	Deposition temperature dependence of titanium oxide thin films grown by remoteâ€plasma atomic layer deposition. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 276-284.	1.8	26
118	Coalescence and Polygonization of Au Nanoparticles Embedded in Liquid-Crystalline Lipid Membrane. Journal of Nanoscience and Nanotechnology, 2013, 13, 6150-6152.	0.9	0
119	Effect of Crystal Structure and Grain Size on Photo-Catalytic Activities of Remote-Plasma Atomic Layer Deposited Titanium Oxide Thin Film. ECS Journal of Solid State Science and Technology, 2012, 1, Q63-Q69.	1.8	13
120	Fe-Fe₃O₄Composite Electrode for Lithium Secondary Batteries. Journal of the Electrochemical Society, 2012, 159, A325-A329.	2.9	20
121	Formation of Ag Nanostrings Induced by Lyotropic Liquidâ€"Crystalline Phospholipid Multilayer. Langmuir, 2012, 28, 259-263.	3.5	4
122	Effect of Temperature and Humidity on Coarsening Behavior of Au Nanoparticles Embedded in Liquid Crystalline Lipid Membrane. Langmuir, 2012, 28, 10980-10987.	3.5	5
123	Nanostructured high-energy cathode materials for advanced lithium batteries. Nature Materials, 2012, 11, 942-947.	27.5	921
124	Coarsening of Au nanoparticles embedded in solid-supported lipid membrane at 80Â°C under different humidity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 409, 138-142.	4.7	0
125	Formation of the ferromagnetic semiconductor InMnP:Zn through low-temperature annealing by using Mn/InP:Zn bilayer. Journal of the Korean Physical Society, 2012, 61, 1065-1069.	0.7	1
126	Structure of solid-supported lipid membrane probed by noble metal nanoparticle deposition. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2884-2891.	2.6	7

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127	A Transmission Electron Microscopy Study of the Electrochemical Process of Lithiumâ€“Oxygen Cells. Nano Letters, 2012, 12, 4333-4335.	9.1	107
128	Effect of plasma etching on photoluminescence of SnO /Sn nanoparticles deposited on DOPC lipid membrane. Journal of Colloid and Interface Science, 2012, 368, 257-262.	9.4	3
129	The Role of AlF₃ Coatings in Improving Electrochemical Cycling of Liâ€Enriched Nickelâ€Manganese Oxide Electrodes for Liâ€Ion Batteries. Advanced Materials, 2012, 24, 1192-1196.	21.0	629
130	Batteries: The Role of AlF3 Coatings in Improving Electrochemical Cycling of Li-Enriched Nickel-Manganese Oxide Electrodes for Li-Ion Batteries (Adv. Mater. 9/2012). Advanced Materials, 2012, 24, 1276-1276.	21.0	8
131	Effect of hydration on Ag nanoparticles embedded in lyotropic phospholipid membrane. , 2011, , .		0
132	Photoluminescence from SnO<inf>x</inf>/Sn nanoparticle monolayer on solid-supported liquid-crystalline phopholipid membranes: Dioleoylphosphocholine, dioleoylphosphatidylethanolamine, dioleoyltrimethylammonium-propane. , 2011, , .		0
133	Electrochemical Properties of Solâ€“Gel Prepared Li2ZrxTi1â€“x(PO4)3 Electrodes for Lithium Secondary Batteries. Journal of the Electrochemical Society, 2011, 158, A396.	2.9	10
134	Coarsening of Au nanoparticles embedded in liquid crystalline phospholipid membrane. , 2011, , .		0
135	Thermodynamic Behavior of Excitonic Emission Properties in Manganese- and Zinc-Codoped Indium Phosphide Diluted Magnetic Semiconductor Layers. Journal of Physical Chemistry C, 2011, 115, 23564-23567.	3.1	8
136	Microscale spherical carbon-coated Li4Ti5O12 as ultra high power anode material for lithium batteries. Energy and Environmental Science, 2011, 4, 1345.	30.8	433
137	Magnetocaloric effect of Fe64Mn15â^'Co Si10B11 amorphous alloys. Journal of Alloys and Compounds, 2011, 509, 7764-7767.	5.5	13
138	Effect of Mn Content in Surface on the Electrochemical Properties of Core-Shell Structured Cathode Materials. Journal of the Electrochemical Society, 2011, 159, A1-A5.	2.9	31
139	Polypyrrole-modified graphitized carbon black as a catalyst support for methanol oxidation. Applied Catalysis A: General, 2011, 409-410, 156-161.	4.3	7
140	Annealing-induced enhancement of ferromagnetism in SnO2-core/Cu-shell coaxial nanowires. Metals and Materials International, 2011, 17, 641-647.	3.4	7
141	Nanostructured TiO₂ and Its Application in Lithiumâ€Ion Storage. Advanced Functional Materials, 2011, 21, 3231-3241.	14.9	154
142	Electrochemical albumin sensing based on silicon nanowires modified by gold nanoparticles. Applied Surface Science, 2011, 257, 4650-4654.	6.1	20
143	Facile method of fabricating Sn nanoparticle monolayer using solid-supported liquidâ€“crystalline phospholipid membrane. Applied Surface Science, 2011, 257, 8702-8711.	6.1	8
144	Phospholipid-driven long-range ordering of Fe3O4 nanoparticles. Applied Surface Science, 2011, 257, 3128-3134.	6.1	4

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145	Enhanced electrochemical performance of carbonâ€“LiMn1â^'Fe PO4 nanocomposite cathode for lithium-ion batteries. Journal of Power Sources, 2011, 196, 6924-6928.	7.8	95
146	Synthesis of ultra-thin polypyrrole nanosheets for chemical sensor applications. Polymer, 2011, 52, 652-657.	3.8	53
147	Clarification of enhanced ferromagnetism in Be-codoped InMnP fabricated using Mn/InP:Be bilayers grown by molecular beam epitaxy. Applied Physics Letters, 2011, 99, .	3.3	7
148	Surface Plasmon Resonance Tuning of Silver Nanoparticle Array Produced by Nanosphere Lithography Through Ion Etching and Thermal Annealing. Journal of Nanoscience and Nanotechnology, 2010, 10, 3118-3122.	0.9	8
149	A Novel Cathode Material with a Concentrationâ€Gradient for Highâ€Energy and Safe Lithiumâ€Ion Batteries. Advanced Functional Materials, 2010, 20, 485-491.	14.9	252
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