

# Eiji Hosono

## 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.

120  
papers

12,317  
citations

49  
h-index

110  
g-index

125  
ext. papers

13,052  
ext. citations

6.5  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
120	Conversion Reaction of Anode Material for Li-ion Battery Revealed by Operando Soft X-ray Emission Spectroscopy. <i>Denki Kagaku</i> , <b>2022</b> , 90, 4-9	0	0
119	Constant-rate heating-induced thermal runaway in 18650-type Li-ion cells charged/discharged at 100°C: Effect of undischARGEABLE Li at anode. <i>Journal of Power Sources</i> , <b>2021</b> , 505, 230082	8.9	0
118	Chemical bath deposition of transparent ZnO films incorporated with erythrosine B molecules and their synergetic electro/photochromic properties. <i>CrystEngComm</i> , <b>2020</b> , 22, 2447-2453	3.3	3
117	Nanostructured liquid-crystalline Li-ion conductors with high oxidation resistance: molecular design strategy towards safe and high-voltage-operation Li-ion batteries. <i>Chemical Science</i> , <b>2020</b> , 11, 10631-10637	8.4	13
116	Preparation of bioplastic using soy protein. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 149, 1077-1083	7.9	20
115	Effect of the Charge Process on the Performance of Li-ion Cells during Charge-Discharge Cycling at 0°C. <i>Electrochemistry</i> , <b>2020</b> , 88, 230-235	1.2	2
114	Effect of the Charge Process and Discharge Rate on the Lithium Stripping Process Visibility in LiFePO <sub>4</sub> -Graphite Li-ion Cells during Charge-Discharge Cycling at 0°C. <i>Electrochemistry</i> , <b>2020</b> , 88, 340-342	1.2	1
113	Microscopic photoelectron analysis of single crystalline LiCoO particles during the charge-discharge in an all solid-state lithium ion battery. <i>Scientific Reports</i> , <b>2019</b> , 9, 12452	4.9	7
112	Operando measurement of single crystalline Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> with octahedral-like morphology by microscopic X-ray photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2019</b> , 233, 64-68	1.7	6
111	Mn 2p resonant X-ray emission clarifies the redox reaction and charge-transfer effects in LiMnO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 18363-18369	3.6	6
110	Impact of Calendar Degradation on the Performance of LiFePO <sub>4</sub> /Graphite Li-Ion Cells during Charge-Discharge Cycling at 25°C. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A3525-A3530	3.9	4
109	Operando soft X-ray emission spectroscopy of the FeO anode to observe the conversion reaction. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 26351-26357	3.6	5
108	Large Charge-Transfer Energy in LiFePO <sub>4</sub> Revealed by Full-Multiplet Calculation for the Fe L-edge Soft X-ray Emission Spectra. <i>ChemPhysChem</i> , <b>2018</b> , 19, 988-992	3.2	8
107	Noncovalent Approach to Liquid-Crystalline Ion Conductors: High-Rate Performances and Room-Temperature Operation for Li-Ion Batteries. <i>ACS Omega</i> , <b>2018</b> , 3, 159-166	3.9	19
106	Kinetic analysis of graphitized-carbon reactions in Li-ion cells before and after cycling degradation. <i>Solid State Ionics</i> , <b>2018</b> , 321, 98-105	3.3	1
105	Synthesis of core-sheath structured fibers of SnO <sub>2</sub> /carbon composites by electrospinning. <i>Journal of the Ceramic Society of Japan</i> , <b>2018</b> , 126, 662-666	1	2
104	Size-controlled synthesis of ZIF-8 particles and their pyrolytic conversion into ZnO aggregates as photoanode materials of dye-sensitized solar cells. <i>CrystEngComm</i> , <b>2017</b> , 19, 2844-2851	3.3	19

103	Investigation of the relationship between the cycle performance and the electronic structure in LiAlMnO ( $x = 0$ and $0.2$ ) using soft X-ray spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 16507-16511	3.6	71
102	Correlation between the O 2p Orbital and Redox Reaction in LiMn Fe PO Nanowires Studied by Soft X-ray Absorption. <i>ChemPhysChem</i> , <b>2016</b> , 17, 4110-4115	3.2	2
101	Operando Soft X-ray Emission Studies of Lithium-Ion Batteries. <i>Hyomen Kagaku</i> , <b>2016</b> , 37, 66-71		
100	Redox Potential Paradox in Na <sub>x</sub> MO <sub>2</sub> for Sodium-Ion Battery Cathodes. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1058-1065	9.6	72
99	2.2X?????Operando?????. <i>Electrochemistry</i> , <b>2016</b> , 84, 529-533	1.2	2
98	Material/element-dependent fluorescence-yield modes on soft X-ray absorption spectroscopy of cathode materials for Li-ion batteries. <i>AIP Advances</i> , <b>2016</b> , 6, 035105	1.5	28
97	Preparation of DNA-immobilized magnetic particles and their utilization as an accumulative material of metal ions. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 360-369	2.5	3
96	Bio-inspired synthesis of xLi <sub>2</sub> MnO <sub>3</sub> -(1-x)LiNi <sub>0.33</sub> Co <sub>0.33</sub> Mn <sub>0.33</sub> O <sub>2</sub> lithium-rich layered cathode materials. <i>Materials and Design</i> , <b>2016</b> , 109, 718-725	8.1	21
95	Fabrication of Transparent ZnO Thick Film with Unusual Orientation by the Chemical Bath Deposition. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 3150-3156	3.5	9
94	Charge/discharge mechanism of a new Co-doped Li <sub>2</sub> O cathode material for a rechargeable sealed lithium-peroxide battery analyzed by X-ray absorption spectroscopy. <i>Journal of Power Sources</i> , <b>2015</b> , 287, 220-225	8.9	27
93	Liquid Crystals: Liquid-Crystalline Electrolytes for Lithium-Ion Batteries: Ordered Assemblies of a Mesogen-Containing Carbonate and a Lithium Salt (Adv. Funct. Mater. 8/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1205-1205	15.6	2
92	Pseudocapacitance of MXene nanosheets for high-power sodium-ion hybrid capacitors. <i>Nature Communications</i> , <b>2015</b> , 6, 6544	17.4	707
91	Phase transitions in a LiMn <sub>2</sub> O <sub>4</sub> nanowire battery observed by operando electron microscopy. <i>ACS Nano</i> , <b>2015</b> , 9, 626-32	16.7	41
90	Fabrication of transparent conductive zinc oxide films by chemical bath deposition using solutions containing Zn <sup>2+</sup> and Al <sup>3+</sup> ions. <i>Journal of the Ceramic Society of Japan</i> , <b>2015</b> , 123, 329-334	1	1
89	In-situ STEM Observation of Strain Field Movement in a LiMn <sub>2</sub> O <sub>4</sub> Nanowire Battery. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 953-954	0.5	3
88	Liquid-Crystalline Electrolytes for Lithium-Ion Batteries: Ordered Assemblies of a Mesogen-Containing Carbonate and a Lithium Salt. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1206-1212	15.6	78
87	Operando soft x-ray emission spectroscopy of LiMn <sub>2</sub> O <sub>4</sub> thin film involving Li <sup>1s</sup> extraction/insertion reaction. <i>Electrochemistry Communications</i> , <b>2015</b> , 50, 93-96	5.1	24
86	Bipolar porous polymeric frameworks for low-cost, high-power, long-life all-organic energy storage devices. <i>Journal of Power Sources</i> , <b>2014</b> , 245, 553-556	8.9	53

85	Assembly of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanoparticles confined in a one-dimensional carbon sheath for enhanced sodium-ion cathode properties. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12636-40	4.8	63
84	Electrochemical properties of LiMn <sub>x</sub> Fe <sub>1-x</sub> PO <sub>4</sub> (x = 0, 0.2, 0.4, 0.6, 0.8 and 1.0)/vapor grown carbon fiber core/sheath composite nanowire synthesized by electrospinning method. <i>Journal of Power Sources</i> , <b>2014</b> , 248, 615-620	8.9	20
83	Single Crystallization of Olivine Lithium Phosphate Nanowires using Oriented Attachments. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 7678-7682	3.8	9
82	Fabrication of porous cubic architecture of ZnO using Zn-terephthalate MOFs with characteristic microstructures. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 14028-33	5.1	51
81	Formation of nanostructured MnO/Co/solid-electrolyte interphase ternary composites as a durable anode material for lithium-ion batteries. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 760-4	4.5	12
80	VGCF-core@LiMn <sub>0.4</sub> Fe <sub>0.6</sub> PO <sub>4</sub> -sheath heterostructure nanowire for high rate Li-ion batteries. <i>CrystEngComm</i> , <b>2013</b> , 15, 6638	3.3	9
79	Electrochemical Mg <sup>2+</sup> intercalation into a bimetallic CuFe Prussian blue analog in aqueous electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13055	13	126
78	Reversible contrast in focus series of annular bright field images of a crystalline LiMnO <sub>2</sub> nanowire. <i>Ultramicroscopy</i> , <b>2013</b> , 125, 43-8	3.1	26
77	Aromatic porous-honeycomb electrodes for a sodium-organic energy storage device. <i>Nature Communications</i> , <b>2013</b> , 4, 1485	17.4	274
76	Reversible solid state redox of an octacyanomethylate-bridged coordination polymer by electrochemical ion insertion/extraction. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 3772-9	5.1	29
75	Synthesis of Li-Mn-O mesocrystals with controlled crystal phases through topotactic transformation of MnCO <sub>3</sub> . <i>Nanoscale</i> , <b>2013</b> , 5, 2352-7	7.7	37
74	Synthesis of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> and 0.5Li <sub>2</sub> MnO <sub>3</sub> ·0.5LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> hollow nanowires by electrospinning. <i>CrystEngComm</i> , <b>2013</b> , 15, 2592	3.3	36
73	Suppressed Activation Energy for Interfacial Charge Transfer of a Prussian Blue Analog Thin Film Electrode with Hydrated Ions (Li <sup>+</sup> , Na <sup>+</sup> , and Mg <sup>2+</sup> ). <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10877-10882	3.8	134
72	In Situ TEM Observation of Local Phase Transformation in a Rechargeable LiMn <sub>2</sub> O <sub>4</sub> Nanowire Battery. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 24236-24241	3.8	58
71	Synthesis and Electrical Properties of Garnet-type Solid Oxide Electrolyte Thin Films from Solution Route. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1496, 1		
70	Impedance spectroscopic study on interfacial ion transfers in cyanide-bridged coordination polymer electrode with organic electrolyte. <i>Electrochimica Acta</i> , <b>2012</b> , 63, 139-145	6.7	52
69	Development of nanostructure control process in the solution for application to energy and environmental fields. <i>Journal of the Ceramic Society of Japan</i> , <b>2012</b> , 120, 47-51	1	2
68	Electrospinning Synthesis of Wire-Structured LiCoO <sub>2</sub> for Electrode Materials of High-Power Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 10774-10780	3.8	45

67	Electrochemical kinetics of the 0.5Li <sub>2</sub> MnO <sub>3</sub> /0.5LiMn <sub>0.42</sub> Ni <sub>0.42</sub> Co <sub>0.16</sub> O <sub>2</sub> composite layered cathode material for lithium-ion batteries. <i>RSC Advances</i> , <b>2012</b> , 2, 8797	3.7	125
66	High power Na-ion rechargeable battery with single-crystalline Na <sub>0.44</sub> MnO <sub>2</sub> nanowire electrode. <i>Journal of Power Sources</i> , <b>2012</b> , 217, 43-46	8.9	139
65	Crystal-Growth Process of Single-Crystal-like Mesoporous ZnO through a Competitive Reaction in Solution. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2923-2931	3.5	19
64	Ein Energiespeicherprinzip auf Basis bipolarer poröser Polymernetzwerke. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7972-7976	3.6	26
63	An energy storage principle using bipolar porous polymeric frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7850-4	16.4	150
62	ZnO nano-rectangular framework-like structure from zinc hydroxide acetate plates. <i>Journal of the Ceramic Society of Japan</i> , <b>2012</b> , 120, 171-174	1	6
61	Biomimetic Solid-Solution Precursors of Metal Carbonate for Nanostructured Metal Oxides: MnO/Co and MnO-CoO Nanostructures and Their Electrochemical Properties. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3673-3680	15.6	63
60	Single-crystal H <sub>2</sub> V <sub>3</sub> O <sub>8</sub> nanowires: a competitive anode with large capacity for aqueous lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1780-1787		90
59	High-surface vanadium oxides with large capacities for lithium-ion batteries: from hydrated aerogel to nanocrystalline VO <sub>2</sub> (B), V <sub>6</sub> O <sub>13</sub> and V <sub>2</sub> O <sub>5</sub> . <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10999		143
58	Development of Positive Electrode Materials for the High Rate Lithium Ion Battery by Nanostructure Control. <i>Key Engineering Materials</i> , <b>2010</b> , 445, 109-112	0.4	
57	Fast Li-Ion insertion into nanosized LiMn(2)O(4) without domain boundaries. <i>ACS Nano</i> , <b>2010</b> , 4, 741-52	16.7	169
56	Nano active materials for lithium-ion batteries. <i>Nanoscale</i> , <b>2010</b> , 2, 1294-305	7.7	443
55	Atomic and Electronic Structures of Li <sub>0.44</sub> MnO <sub>2</sub> Nanowires and Li <sub>2</sub> MnO <sub>3</sub> Byproducts in the Formation Process of LiMn <sub>2</sub> O <sub>4</sub> Nanowires. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 18358-18365	3.8	11
54	Synthesis of triaxial LiFePO <sub>4</sub> nanowire with a VGCF core column and a carbon shell through the electrospinning method. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 212-8	9.5	111
53	Aqueous solution synthesis of SnO nanostructures with tuned optical absorption behavior and photoelectrochemical properties through morphological evolution. <i>Nanoscale</i> , <b>2010</b> , 2, 2424-30	7.7	36
52	Biomimetic synthesis of metal ion-doped hierarchical crystals using a gel matrix: formation of cobalt-doped LiMn(2)O(4) with improved electrochemical properties through a cobalt-doped MnCO(3) precursor. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 792-8	4.5	10
51	Synthesis of single crystalline Li <sub>0.44</sub> MnO <sub>2</sub> nanowires with large specific capacity and good high current density property for a positive electrode of Li ion battery. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 7098-7101	8.9	16
50	TiO <sub>2</sub> - and ZnO-based solar cells using a chlorophyll a derivative sensitizer for light-harvesting and energy conversion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2010</b> , 210, 145-152	4.7	47

49	Synthesis and applications of SnO nanosheets: parallel control of oxidation state and nanostructure through an aqueous solution route. <i>Small</i> , <b>2010</b> , 6, 776-81	11	69
48	Size effect on electrochemical property of nanocrystalline LiCoO <sub>2</sub> synthesized from rapid thermal annealing method. <i>Solid State Ionics</i> , <b>2009</b> , 180, 612-615	3.3	47
47	Lithium insertion into nanometer-sized rutile-type Ti <sub>x</sub> Sn <sub>1-x</sub> O <sub>2</sub> solid solutions. <i>Solid State Ionics</i> , <b>2009</b> , 180, 956-960	3.3	22
46	Three-dimensional architectures of spinel-type LiMn <sub>2</sub> O <sub>4</sub> prepared from biomimetic porous carbonates and their application to a cathode for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 4012		50
45	Mesoporous Carbon Nanofibers for Supercapacitor Application. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 1093-1097	3.8	174
44	Design and synthesis of a novel nanothorn VO <sub>2</sub> (B) hollow microsphere and their application in lithium-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2835		111
43	Synthesis of single crystalline spinel LiMn <sub>2</sub> O <sub>4</sub> nanowires for a lithium ion battery with high power density. <i>Nano Letters</i> , <b>2009</b> , 9, 1045-51	11.5	457
42	Facile synthesis of NaV <sub>6</sub> O <sub>15</sub> nanorods and its electrochemical behavior as cathode material in rechargeable lithium batteries. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 7885		123
41	Superhydrophobic property of the perpendicular nanosheet film by hot water treatment of the metal aluminum. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 299-301	1	6
40	Metal-free organic dye sensitized solar cell based on perpendicular zinc oxide nanosheet thick films with high conversion efficiency. <i>Dalton Transactions</i> , <b>2008</b> , 5439-41	4.3	40
39	Synthesis of Nanocrystalline Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> by Chemical Lithiation of Anatase Nanocrystals and Postannealing. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, A553	3.9	48
38	Fabrication of MnOOH nanorods on a substrate in an oxygen bubbled solution with superhydrophobic properties. <i>Nanotechnology</i> , <b>2008</b> , 19, 395605	3.4	16
37	The design of a LiFePO <sub>4</sub> /carbon nanocomposite with a core-shell structure and its synthesis by an in situ polymerization restriction method. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7461-5	16.4	756
36	The Design of a LiFePO <sub>4</sub> /Carbon Nanocomposite With a CoreShell Structure and Its Synthesis by an In Situ Polymerization Restriction Method. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 7571-7575	3.6	80
35	Synthesis of single crystalline electro-conductive Na <sub>0.44</sub> MnO <sub>2</sub> nanowires with high aspect ratio for the fast charge/discharge Li ion battery. <i>Journal of Power Sources</i> , <b>2008</b> , 182, 349-352	8.9	67
34	Phonon confinement effect on nanocrystalline LiCoO <sub>2</sub> studied with Raman spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 2911-2915	3.9	11
33	A nanoscale meshed electrode of single-crystalline SnO for lithium-ion rechargeable batteries. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 52-55	5.1	85
32	Large reversible Li storage of graphene nanosheet families for use in rechargeable lithium ion batteries. <i>Nano Letters</i> , <b>2008</b> , 8, 2277-82	11.5	2453

31	Synthesis of a perpendicular TiO <sub>2</sub> nanosheet film with the superhydrophilic property without UV irradiation. <i>Langmuir</i> , <b>2007</b> , 23, 7447-50	4	112
30	High-Rate Lithium Ion Batteries with Flat Plateau Based on Self-Nanoporous Structure of Tin Electrode. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, A146	3.9	27
29	One-step synthesis of nano-micro chestnut TiO <sub>2</sub> with rutile nanopins on the microanatase octahedron. <i>ACS Nano</i> , <b>2007</b> , 1, 273-8	16.7	108
28	Nanosize effect on high-rate Li-ion intercalation in LiCoO <sub>2</sub> electrode. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7444-52	16.4	568
27	Fabrication of Nano/Micro Hierarchical Fe <sub>2</sub> O <sub>3</sub> /Ni Micrometer-Wire Structure and Characteristics for High Rate Li Rechargeable Battery. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, A1273	3.9	49
26	Nanomaterials for lithium ion batteries. <i>Nano Today</i> , <b>2006</b> , 1, 28-33	17.9	419
25	Surface-enhanced infrared absorption spectroscopy using chemically deposited Pd thin film electrodes. <i>Chemical Physics Letters</i> , <b>2006</b> , 428, 451-456	2.5	41
24	The high power and high energy densities Li ion storage device by nanocrystalline and mesoporous Ni/NiO covered structure. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 284-288	5.1	59
23	Enhanced photoelectrochemical performance of ZnO electrodes sensitized with N-719. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2006</b> , 179, 81-86	4.7	180
22	Synthesis of the CoOOH fine nanoflake film with the high rate capacitance property. <i>Journal of Power Sources</i> , <b>2006</b> , 158, 779-783	8.9	139
21	{111}-faceting of low-temperature processed rutile TiO <sub>2</sub> rods. <i>Journal of Crystal Growth</i> , <b>2006</b> , 293, 541-545	5.45	90
20	Fabrication of mesoporous ZnO nanosheets from precursor templates grown in aqueous solutions. <i>Journal of Sol-Gel Science and Technology</i> , <b>2006</b> , 39, 63-72	2.3	103
19	Fabrication of highly porous and micropatterned SnO <sub>2</sub> films by oxygen bubbles generated on the anode electrode. <i>Chemical Communications</i> , <b>2005</b> , 2609-11	5.8	9
18	Fabrication of morphology and crystal structure controlled nanorod and nanosheet cobalt hydroxide based on the difference of oxygen-solubility between water and methanol, and conversion into Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 1938		127
17	Superhydrophobic perpendicular nanopin film by the bottom-up process. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 13458-9	16.4	368
16	Evolution of Nanoscale SnO <sub>2</sub> Grains, Flakes, and Plates into Versatile Particles and Films through Crystal Growth in Aqueous Solutions. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1079-1083	3.5	91
15	The Fabrication of an Upright-Standing Zinc Oxide Nanosheet for Use in Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , <b>2005</b> , 17, 2091-2094	24	326
14	Chemical Deposition of Rodlike GaOOH and [Ga <sub>2</sub> O <sub>3</sub> ] Films Using Simple Aqueous Solutions. <i>Journal of the Electrochemical Society</i> , <b>2005</b> , 152, C764	3.9	36

13	Low-Temperature Deposition of Nanocrystalline ZnO Phosphor Films from Neutral Ethanolic Zinc Acetate Solutions in the Absence of Base. <i>Electrochemical and Solid-State Letters</i> , <b>2004</b> , 7, C49		16
12	Low-Temperature Synthesis of Nanocrystalline Zinc Titanate Materials with High Specific Surface Area. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 1785-1788	3.8	45
11	Non-Basic Solution Routes to Prepare ZnO Nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , <b>2004</b> , 29, 71-79	2.3	123
10	Fabrication of Porous Metal Oxide Semiconductor Films by a Self-Template Method Using Layered Hydroxide Metal Acetates. <i>Journal of Sol-Gel Science and Technology</i> , <b>2004</b> , 31, 165-168	2.3	17
9	Growth of layered basic zinc acetate in methanolic solutions and its pyrolytic transformation into porous zinc oxide films. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 272, 391-8	9.3	159
8	Synthesis, structure and photoelectrochemical performance of micro/nano-textured ZnO/eosin Y electrodes. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 2287-2293	6.7	99
7	Growth of submicrometer-scale rectangular parallelepiped rutile TiO <sub>2</sub> films in aqueous TiCl <sub>3</sub> solutions under hydrothermal conditions. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 7790-1	16.4	364
6	Hydrothermal routes to prepare nanocrystalline mesoporous SnO <sub>2</sub> having high thermal stability. <i>Langmuir</i> , <b>2004</b> , 20, 6476-81	4	159
5	Fabrication and electrical properties of micro/nanoporous ZnO : Al films. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 881		39
4	Fabrication of nanoparticulate porous LaOF films through film growth and thermal decomposition of ion-modified lanthanum diacetate hydroxide. <i>Langmuir</i> , <b>2004</b> , 20, 3769-74	4	27
3	Fabrication and photoluminescence of chemically stable La <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> -La <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> core-shell-structured nanoparticles. <i>Chemical Communications</i> , <b>2004</b> , 2062-3	5.8	8
2	Fabrication of Nanocrystalline ZnO Thick Films for Solar Cells. <i>Key Engineering Materials</i> , <b>2001</b> , 216, 69-72.	4	5
1	An ultrafast process for the fabrication of a Li metal/inorganic solid electrolyte interface. <i>Energy and Environmental Science</i> ,	35.4	6