Itaru Honma

List of Publications by Year
in descending order

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		8159	7718
302	25,076	76	150
papers	citations	h-index	g-index

304	304	304	25626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Are Redoxâ€Active Organic Small Molecules Applicable for Highâ€Voltage (>4ÂV) Lithiumâ€Ion Battery Cathodes?. Advanced Science, 2022, 9, e2200187.	5.6	12
2	Macroâ€•and Nanoâ€Porous 3Dâ€Hierarchical Carbon Lattices for Extraordinarily High Capacitance Supercapacitors. Advanced Functional Materials, 2022, 32, .	7.8	25
3	Rational Route for Increasing Intercalation Capacity of Hard Carbons as Sodiumâ€Ion Battery Anodes. ChemSusChem, 2020, 13, 5762-5768.	3.6	29
4	Rapid room-temperature synthesis of ultrasmall cubic Mgâ€“Mn spinel cathode materials for rechargeable Mg-ion batteries. RSC Advances, 2019, 9, 36434-36439.	1.7	29
5	Quasi-solid-state lithium batteries using bulk-size transparent Li7La3Zr2O12 electrolytes. Solid State Ionics, 2018, 319, 285-290.	1.3	21
6	Novel Amorphous Molybdenum Selenide as an Efficient Catalyst for Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2018, 10, 8659-8665.	4.0	49
7	Biocompatible Batteriesâ€”Materials and Chemistry, Fabrication, Applications, and Future Prospects. Bulletin of the Chemical Society of Japan, 2018, 91, 492-505.	2.0	123
8	Analysis of Degradation Mechanisms in Quinone-Based Electrodes for Aqueous Electrolyte System via In Situ XRD Measurements. Journal of Physical Chemistry C, 2018, 122, 2461-2466.	1.5	15
9	Electrodeposited Amorphous Tungstenâ€doped Cobalt Oxide as an Efficient Catalyst for the Oxygen Evolution Reaction. Chemistry - an Asian Journal, 2018, 13, 1530-1534.	1.7	7
10	Correlation between the carbon structures and their tolerance to carbon corrosion as catalyst supports for polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2018, 43, 6406-6412.	3.8	26
11	Capacity improvement of the carbon-based electrochemical capacitor by zigzag-edge introduced graphene. Applied Surface Science, 2018, 428, 986-989.	3.1	8
12	Inversion domain boundaries in MoSe₂ layers. RSC Advances, 2018, 8, 33391-33397.	1.7	9
13	One-Pot Rapid Synthesis of Mo(S,Se)₂ Nanosheets on Graphene for Highly Efficient Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2018, 6, 11502-11510.	3.2	18
14	Electronic States of Quinones for Organic Energy Devices: The Effect of Molecular Structure on Electrochemical Characteristics. ACS Applied Energy Materials, 2018, 1, 3084-3092.	2.5	9
15	Fabrication of three-dimensional CuInS 2 solar-cell structure via supercritical fluid processing. Journal of Supercritical Fluids, 2017, 120, 448-452.	1.6	5
16	Solidified inorganic-organic hybrid electrolyte for all solid state flexible lithium battery. Journal of Power Sources, 2017, 343, 22-29.	4.0	32
17	Mg Secondary Batteries Using Nano-Crystalline V2O5. ECS Transactions, 2017, 75, 25-34.	0.3	3
18	Structure-Based Selective Adsorption of Graphene on a Gel Surface: Toward Improving the Quality of Graphene Nanosheets. Langmuir, 2017, 33, 5406-5411.	1.6	7

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19	Exfoliated MoS₂ and MoSe₂ Nanosheets by a Supercritical Fluid Process for a Hybrid Mgâ€“Li-Ion Battery. ACS Omega, 2017, 2, 2360-2367.	1.6	64
20	High-energy-density electrochemical flow capacitors containing quinone derivatives impregnated in nanoporous carbon beads. Journal of Materials Chemistry A, 2017, 5, 2188-2194.	5.2	18
21	Fabrication of Cu2ZnSnS4 thin films using a Cu-Zn-Sn-O amorphous precursor and supercritical fluid sulfurization. Thin Solid Films, 2017, 638, 244-250.	0.8	1
22	Nanocrystalline MgMnSiO4 and MgCoSiO4 particles for rechargeable Mg-ion batteries. Journal of Power Sources, 2017, 361, 195-202.	4.0	53
23	Unravelling the Surface Structure of MgMn₂O₄ Cathode Materials for Rechargeable Magnesium-Ion Battery. Chemistry of Materials, 2017, 29, 6245-6251.	3.2	91
24	An organic proton battery employing two redox-active quinones trapped within the nanochannels of zeolite-templated carbon. Carbon, 2016, 107, 831-836.	5.4	52
25	Disulfide-Bridged (Mo₃S₁₁) Cluster Polymer: Molecular Dynamics and Application as Electrode Material for a Rechargeable Magnesium Battery. Nano Letters, 2016, 16, 5829-5835.	4.5	57
26	Electron-deficient anthraquinone derivatives as cathodic material for lithium ion batteries. Journal of Power Sources, 2016, 328, 228-234.	4.0	29
27	Coordination polymer structure and revisited hydrogen evolution catalytic mechanism for amorphous molybdenumÂsulfide. Nature Materials, 2016, 15, 640-646.	13.3	490
28	One pot synthesis of in situ Au decorated LiNiPO4 nanoplates for Li-ion batteries. Applied Materials Today, 2015, 1, 95-99.	2.3	9
29	Controllable bandgap of Cu₂ZnSn(S,Se)₄thin films via simultaneous supercritical fluid chalcogenization. Applied Physics Express, 2015, 8, 021201.	1.1	6
30	Chemical potential shift in organic field-effect transistors identified by soft X-ray operando nano-spectroscopy. Applied Physics Letters, 2015, 106, .	1.5	18
31	Synthesis, characterization and observation of antisite defects in LiNiPO4 nanomaterials. Scientific Reports, 2015, 5, 11041.	1.6	63
32	Charge/discharge mechanism of a new Co-doped Li 2 O cathode material for a rechargeable sealed lithium-peroxide battery analyzed by X-ray absorption spectroscopy. Journal of Power Sources, 2015, 287, 220-225.	4.0	31
33	Development of Bipolar All-solid-state Lithium Battery Based on Quasi-solid-state Electrolyte Containing Tetraglyme-LiTFSA Equimolar Complex. Scientific Reports, 2015, 5, 8869.	1.6	62
34	Fabrication of CuInSe2 and Cu2ZnSnSe4 films from metal-oxide precursors and SeO2 using supercritical ethanol. Journal of Supercritical Fluids, 2015, 101, 48-53.	1.6	2
35	Enhancement of energy density in organic redox capacitor by improvement of electric conduction network. Journal of Power Sources, 2015, 274, 412-416.	4.0	7
36	Supercritical Fluid Synthesis of LiCoPO4 Nanoparticles and Their Application to Lithium Ion Battery. Inorganics, 2014, 2, 233-247.	1.2	11

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37	Development of high capacity all-solid-state lithium battery using quasi-solid-state electrolyte containing tetraglymeâ€“Li-TFSA equimolar complexes. Solid State Ionics, 2014, 262, 765-768.	1.3	10
38	Multielectron Redox Compounds for Organic Cathode Quasi-Solid State Lithium Battery. Journal of the Electrochemical Society, 2014, 161, A6-A9.	1.3	66
39	Development of lithium-sulfur batteries using room temperature ionic liquid-based quasi-solid-state electrolytes. Electrochimica Acta, 2014, 125, 386-394.	2.6	45
40	Relocation of Cobalt Ions in Electrochemically Delithiated LiCoPO₄ Cathode Materials. Chemistry of Materials, 2014, 26, 2770-2773.	3.2	33
41	Polytype and Stacking Faults in the Li₂CoSiO₄ Liâ€Ion Battery Cathode. Chemistry - A European Journal, 2014, 20, 16210-16215.	1.7	5
42	Antisite defects in LiCoPO4 nanocrystals synthesized via a supercritical fluid process. RSC Advances, 2014, 4, 52410-52414.	1.7	10
43	Supercritical fluid assisted synthesis of N-doped graphene nanosheets and their capacitance behavior in ionic liquid and aqueous electrolytes. Journal of Materials Chemistry A, 2014, 2, 4731-4738.	5.2	72
44	Benzylamine-directed growth of olivine-type LiMPO₄nanoplates by a supercritical ethanol process for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 17400-17407.	5.2	28
45	Supercritical fluid methods for synthesizing cathode materials towards lithium ion battery applications. RSC Advances, 2014, 4, 27452-27470.	1.7	25
46	Structural Analysis and Electrochemical Performance of Li2CoPO4F Cathode Materials. Electrochimica Acta, 2014, 127, 245-251.	2.6	13
47	Bipolar stacked quasi-all-solid-state lithium secondary batteries with output cell potentials of over 6â€¦V. Scientific Reports, 2014, 4, 6084.	1.6	26
48	Metal-free aqueous redox capacitor via proton rocking-chair system in an organic-based couple. Scientific Reports, 2014, 4, 3591.	1.6	87
49	Controlling the shape of LiCoPO4 nanocrystals by supercritical fluid process for enhanced energy storage properties. Scientific Reports, 2014, 4, 3975.	1.6	53
50	Supercritical hydrothermal synthesis of rod like Li2FeSiO4 particles for cathode application in lithium ion batteries. Electrochimica Acta, 2013, 109, 75-81.	2.6	42
51	One-pot synthesis of Li2FePO4F nanoparticles via a supercritical fluid process and characterization for application in lithium-ion batteries. RSC Advances, 2013, 3, 19849.	1.7	14
52	Temperature dependent local structure of LiCoO2 nanoparticles determined by Co K-edge X-ray absorption fine structure. Journal of Power Sources, 2013, 229, 272-276.	4.0	26
53	Development of all-solid-state lithium battery using quasi-solidified tetraglymeâ€“lithium bis(trifluoromethanesulfonyl)amideâ€“fumed silica nano-composites as electrolytes. Journal of Power Sources, 2013, 244, 354-362.	4.0	29
54	Direct Observation of Antisite Defects in LiCoPO₄ Cathode Materials by Annular Dark- and Bright-Field Electron Microscopy. ACS Applied Materials & Interfaces, 2013, 5, 9926-9932.	4.0	74

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55	Synthesis of Li2CoSiO4 nanoparticles and structure observation by annular bright and dark field electron microscopy. RSC Advances, 2013, 3, 20633.	1.7	27
56	Novel processing of lithium manganese silicate nanomaterials for Li-ion battery applications. RSC Advances, 2013, 3, 608-615.	1.7	41
57	Alcohol-induced decomposition of Olmstead's crystalline Ag(<scp>i</scp>)â€“fullerene heteronanostructure yields â€˜bucky cubesâ€™. Journal of Materials Chemistry C, 2013, 1, 1174-1181.	2.7	61
58	Electrical Conductivity, Self-Diffusivity and Electrolyte Performance of a Quasi-Solid-State Pseudo-Ternary System, Bis(trifluoromethanesulfonyl)amide-Based Room Temperature Ionic Liquidâ€“Lithium Bis(trifluoromethanesulfonyl)amideâ€“Fumed Silica Nanoparticles. Journal of the Electrochemical Society, 2013, 160, A138-A147.	1.3	42
59	Superhydrophilic Graphene-Loaded TiO₂ Thin Film for Self-Cleaning Applications. ACS Applied Materials & Interfaces, 2013, 5, 207-212.	4.0	210
60	Analysis of selenization in supercritical ethanol for the production of compound semiconductor films. Journal of Supercritical Fluids, 2013, 83, 41-46.	1.6	4
61	Pt sub-nano/nanoclusters stabilized at the edge of nanographene sheets and their catalytic performance. Electrochimica Acta, 2013, 92, 421-426.	2.6	11
62	Ternary metal Prussian blue analogue nanoparticles as cathode materials for Li-ion batteries. Dalton Transactions, 2013, 42, 15881.	1.6	59
63	One-Step Production of Anisotropically Etched Graphene Using Supercritical Water. ACS Macro Letters, 2013, 2, 794-798.	2.3	8
64	Application of quinonic cathode compounds for quasi-solid lithium batteries. Journal of Power Sources, 2013, 221, 186-190.	4.0	91
65	Study of LiCoO2 nanoparticles by hard x-ray emission and absorption spectroscopies. Applied Physics Letters, 2013, 103, .	1.5	8
66	X-Ray Emission Spectra of Graphene Nanosheets. Journal of Nanoscience and Nanotechnology, 2012, 12, 8913-8919.	0.9	11
67	Quasi-Solid-State Lithium-Sulfur Battery Using Room Temperature Ionic Liquid-Li-salt-Fumed Silica Nanoparticle Composites as Electrolytes. Electrochemistry, 2012, 80, 765-767.	0.6	37
68	Controlled synthesis of plate-like LiCoPO4 nanoparticles via supercritical method and their electrode property. Electrochimica Acta, 2012, 85, 548-553.	2.6	43
69	Rechargeable quasi-solid state lithium battery with organic crystalline cathode. Scientific Reports, 2012, 2, 453.	1.6	155
70	Keggin-type aluminum polyoxocation/graphene oxide hybrid as a new nanostructured electrode for a lithium ion battery. Journal of Physics and Chemistry of Solids, 2012, 73, 1417-1419.	1.9	9
71	Controlled synthesis of nanocrystalline Li2MnSiO4 particles for high capacity cathode application in lithium-ion batteries. Chemical Communications, 2012, 48, 2698.	2.2	102
72	Graphene anchored with Fe3O4 nanoparticles as anode for enhanced Li-ion storage. Journal of Power Sources, 2012, 217, 85-91.	4.0	104

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73	Mass transport properties in quasi-solidified lithium-ion conducting ionic liquids at oxide particle surfaces. Solid State Ionics, 2012, 225, 416-419.	1.3	8
74	Nanographene production from platelet carbon nanofiber by supercritical fluid exfoliation. Applied Physics Letters, 2012, 100, 233110.	1.5	16
75	Ultrathin SnS₂ Nanoparticles on Graphene Nanosheets: Synthesis, Characterization, and Li-Ion Storage Applications. Journal of Physical Chemistry C, 2012, 116, 12475-12481.	1.5	137
76	Ultrathin Nanosheets of Li₂MSiO₄ (M = Fe, Mn) as High-Capacity Li-Ion Battery Electrode. Nano Letters, 2012, 12, 1146-1151.	4.5	323
77	Local structure of LiCoO₂nanoparticles studied by Co K-edge x-ray absorption spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 335305.	0.7	12
78	Hydrothermal and Solvothermal Process Towards Development of LiMPO₄ (M = Fe, Mn) Nanomaterials for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2012, 2, 284-297.	10.2	287
79	Nanocrystalline tin compounds/graphene nanocomposite electrodes as anode for lithium-ion battery. Journal of Solid State Electrochemistry, 2012, 16, 1767-1774.	1.2	30
80	Nanographene derived from carbon nanofiber and its application to electric double-layer capacitors. Electrochimica Acta, 2012, 68, 146-152.	2.6	24
81	Application of quasi-solid-state silica nanoparticlesâ€“ionic liquid composite electrolytes to all-solid-state lithium secondary battery. Journal of Power Sources, 2012, 208, 271-275.	4.0	62
82	Direct preparation of 1-PSA modified graphenenanosheets by supercritical fluidic exfoliation and its electrochemical properties. Journal of Materials Chemistry, 2011, 21, 3462-3466.	6.7	79
83	A stable electrochemically active copper interface for room-temperature ionic liquid via surface modification to a metalâ€“organic charge-transfer complex. Journal of Materials Chemistry, 2011, 21, 9154.	6.7	4
84	Low-Temperature Direct Conversion of Cuâ€“In Films to CuInSe2 via Selenization Reaction in Supercritical Fluid. ACS Applied Materials & Interfaces, 2011, 3, 3268-3271.	4.0	5
85	MnO2 assisted oxidative polymerization of aniline on graphene sheets: Superior nanocomposite electrodes for electrochemical supercapacitors. Journal of Materials Chemistry, 2011, 21, 16216.	6.7	63
86	Size and shape controlled LiMnPO4 nanocrystals by a supercritical ethanol process and their electrochemical properties. Journal of Materials Chemistry, 2011, 21, 15813.	6.7	74
87	Electrical conductivity and dynamics of quasi-solidified lithium-ion conducting ionic liquid at oxide particle surfaces. Solid State Ionics, 2011, 201, 11-20.	1.3	30
88	Sub-nano-Pt cluster supported on graphene nanosheets for CO tolerant catalysts in polymer electrolyte fuel cells. Journal of Power Sources, 2011, 196, 110-115.	4.0	110
89	Ionâ€Induced Transformation of Magnetism in a Bimetallic CuFe Prussian Blue Analogue. Angewandte Chemie - International Edition, 2011, 50, 6269-6273.	7.2	84
90	Electron delocalization in cyanide-bridged coordination polymer electrodes for Li-ion batteries studied by soft x-ray absorption spectroscopy. Physical Review B, 2011, 84, .	1.1	38

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91	Synthesis of single crystalline Li0.44MnO2 nanowires with large specific capacity and good high current density property for a positive electrode of Li ion battery. Journal of Power Sources, 2010, 195, 7098-7101.	4.0	19
92	Rapid and Direct Conversion of Graphite Crystals into Highâ€Yielding, Goodâ€Quality Graphene by Supercritical Fluid Exfoliation. Chemistry - A European Journal, 2010, 16, 6488-6494.	1.7	167
93	Layerâ€byâ€Layer Films of Graphene and Ionic Liquids for Highly Selective Gas Sensing. Angewandte Chemie - International Edition, 2010, 49, 9737-9739.	7.2	296
94	Directed growth of nanoarchitectured LiFePO4 electrode by solvothermal synthesis and their cathode properties. Journal of Power Sources, 2010, 195, 6167-6171.	4.0	68
95	High ionic conductivity of Mgâ€“Al layered double hydroxides at intermediate temperature (100â€“200Â°C) under saturated humidity condition (100% RH). Solid State Ionics, 2010, 181, 883-888.	1.3	49
96	Physico-chemical properties of temperature tolerant anhydrous nafion-benzimidazole blend membrane. Solid State Ionics, 2010, 181, 1098-1102.	1.3	12
97	Development of Positive Electrode Materials for the High Rate Lithium Ion Battery by Nanostructure Control. Key Engineering Materials, 2010, 445, 109-112.	0.4	0
98	Fast Li-Ion Insertion into Nanosized LiMn₂O₄ without Domain Boundaries. ACS Nano, 2010, 4, 741-752.	7.3	194
99	Switching Redox-Active Sites by Valence Tautomerism in Prussian Blue Analogues A_xMn_y[Fe(CN)₆]Â·nH₂O (A: K, Rb): Robust Frameworks for Reversible Li Storage. Journal of Physical Chemistry Letters, 2010, 1, 2063-2071.	2.1	179
100	Open-Mouthed Metallic Microcapsules: Exploring Performance Improvements at Agglomeration-Free Interiors. Journal of the American Chemical Society, 2010, 132, 14415-14417.	6.6	89
101	Synthesis of Triaxial LiFePO₄ Nanowire with a VGCF Core Column and a Carbon Shell through the Electrospinning Method. ACS Applied Materials & Interfaces, 2010, 2, 212-218.	4.0	121
102	Rapid one-pot synthesis of LiMPO4 (M = Fe, Mn) colloidal nanocrystals by supercritical ethanol process. Chemical Communications, 2010, 46, 7548.	2.2	63
103	One-pot synthesis of multifunctional mesoporous silica nanoparticle incorporated with zinc(II) phthalocyanine and iron oxide. Scripta Materialia, 2009, 61, 1137-1140.	2.6	21
104	Surface modified LiFePO4/C nanocrystals synthesis by organic molecules assisted supercritical water process. Journal of Power Sources, 2009, 194, 1036-1042.	4.0	33
105	Size effect on electrochemical property of nanocrystalline LiCoO2 synthesized from rapid thermal annealing method. Solid State Ionics, 2009, 180, 612-615.	1.3	51
106	Determination of Activation Energy for Li Ion Diffusion in Electrodes. Journal of Physical Chemistry B, 2009, 113, 2840-2847.	1.2	84
107	Enhanced Cyclic Performance and Lithium Storage Capacity of SnO₂/Graphene Nanoporous Electrodes with Three-Dimensionally Delaminated Flexible Structure. Nano Letters, 2009, 9, 72-75.	4.5	1,615
108	Enhanced Electrocatalytic Activity of Pt Subnanoclusters on Graphene Nanosheet Surface. Nano Letters, 2009, 9, 2255-2259.	4.5	1,041

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109	Synthesis of Single Crystalline Spinel LiMn₂O₄ Nanowires for a Lithium Ion Battery with High Power Density. Nano Letters, 2009, 9, 1045-1051.	4.5	493
110	Anisotropic Surface Effect on Electronic Structures and Electrochemical Properties of LiCoO₂. Journal of Physical Chemistry C, 2009, 113, 15337-15342.	1.5	45
111	High-ion conducting solidified hybrid electrolytes by the self-assembly of ionic liquids and TiO2. Chemical Communications, 2009, , 3068.	2.2	37
112	Synthesis of single crystalline electro-conductive Na0.44MnO2 nanowires with high aspect ratio for the fast chargeâ€“discharge Li ion battery. Journal of Power Sources, 2008, 182, 349-352.	4.0	78
113	Phonon confinement effect on nanocrystalline LiCoO2 studied with Raman spectroscopy. Journal of Physics and Chemistry of Solids, 2008, 69, 2911-2915.	1.9	12
114	Ionogel electrolytes at medium temperatures by composite of ionic liquids with proton conducting cesium hydrogen sulfate. Solid State Ionics, 2008, 179, 1178-1181.	1.3	8
115	A nanoscale meshed electrode of single-crystalline SnO for lithium-ion rechargeable batteries. Electrochemistry Communications, 2008, 10, 52-55.	2.3	90
116	New organicâ€“inorganic crystalline electrolytes synthesized from 12-phosphotungstic acid and the ionic liquid [BMIM][TFSI]. Electrochimica Acta, 2008, 53, 7638-7643.	2.6	15
117	Large Reversible Li Storage of Graphene Nanosheet Families for Use in Rechargeable Lithium Ion Batteries. Nano Letters, 2008, 8, 2277-2282.	4.5	2,694
118	Synthesis of Nanocrystalline Li[sub 4]Ti[sub 5]O[sub 12] by Chemical Lithiation of Anatase Nanocrystals and Postannealing. Journal of the Electrochemical Society, 2008, 155, A553.	1.3	53
119	Positron Annihilation Lifetime in Ordered Porous Silica SBA-3. Journal of Physical Chemistry C, 2008, 112, 8779-8783.	1.5	21
120	High-Rate Lithium Ion Batteries with Flat Plateau Based on Self-Nanoporous Structure of Tin Electrode. Journal of the Electrochemical Society, 2007, 154, A146.	1.3	27
121	SrTiO3Thin Films with Visible-Light Band Gap Fabricated by Nitrogen Reactive Sputtering. Japanese Journal of Applied Physics, 2007, 46, L468-L470.	0.8	6
122	Nanocrystalline Rutile TiO[sub 2] Electrode for High-Capacity and High-Rate Lithium Storage. Electrochemical and Solid-State Letters, 2007, 10, A127.	2.2	141
123	Single-crystal ZnO nanorods fabricated with different end morphologies. Nanotechnology, 2007, 18, 095608.	1.3	9
124	Switchable titanate-nanotube electrode sensitive to nitrate. Applied Physics Letters, 2007, 90, 253112.	1.5	9
125	Broadband surface plasmon resonance spectroscopy for determination of refractive-index dispersion of dielectric thin films. Applied Physics Letters, 2007, 90, 181112.	1.5	16
126	Nanoporous leaky waveguide based chemical and biological sensors with broadband spectroscopy. Applied Physics Letters, 2007, 90, 011102.	1.5	31

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127	Bio-Inspired Membranes for Advanced Polymer Electrolyte Fuel Cells. Anhydrous Proton-Conducting Membrane via Molecular Self-Assembly. Bulletin of the Chemical Society of Japan, 2007, 80, 2110-2123.	2.0	55
128	Synthesis of One-Dimensional Sodium Titanate Nanostructures. Journal of Nanoscience and Nanotechnology, 2007, 7, 1065-1068.	0.9	6
129	Anhydrous Proton-Conducting Properties of Nafionâ€“1,2,4-Triazole and Nafionâ€“Benzimidazole Membranes for Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 2007, 154, A290.	1.3	65
130	One-Step Synthesis of Nanoâ€“Micro Chestnut TiO₂ with Rutile Nanopins on the Microanatase Octahedron. ACS Nano, 2007, 1, 273-278.	7.3	112
131	Nanosize Effect on High-Rate Li-Ion Intercalation in LiCoO2Electrode. Journal of the American Chemical Society, 2007, 129, 7444-7452.	6.6	690
132	Preparation of Nanohybrid Solid-State Electrolytes with Liquidlike Mobilities by Solidifying Ionic Liquids with Silica Particles. Chemistry of Materials, 2007, 19, 5216-5221.	3.2	108
133	Synthesis of a Perpendicular TiO2 Nanosheet Film with the Superhydrophilic Property without UV Irradiation. Langmuir, 2007, 23, 7447-7450.	1.6	118
134	Thin Films Composed of Multiwalled Carbon Nanotubes, Gold Nanoparticles and Myoglobin for Humidity Detection at Room Temperature. ChemPhysChem, 2007, 8, 264-269.	1.0	13
135	Synthesis of heteropoly oxometalate/amphiphilic block copolymer composite thin films with self-ordered mesostructures. Thin Solid Films, 2007, 515, 2842-2846.	0.8	4
136	Vanadium-oxide nanotubes: Synthesis and template-related electrochemical properties. Electrochemistry Communications, 2007, 9, 1766-1771.	2.3	43
137	Fast proton conductor under anhydrous condition synthesized from 12-phosphotungstic acid and ionic liquid. Electrochimica Acta, 2007, 53, 963-967.	2.6	39
138	Effect of particle dispersion on high rate performance of nano-sized Li4Ti5O12 anode. Electrochimica Acta, 2007, 52, 6470-6475.	2.6	164
139	Preparation and rate capability of Li4Ti5O12 hollow-sphere anode material. Journal of Power Sources, 2007, 166, 514-518.	4.0	124
140	Anhydrous proton conductivity of a lamella-structured inorganicâ€“organic zirconiumâ€“monododecyl phosphate crystalline hybrid. Journal of Power Sources, 2007, 172, 694-697.	4.0	8
141	Simultaneous voltammetric detection of dopamine and uric acid at their physiological level in the presence of ascorbic acid using poly(acrylic acid)-multiwalled carbon-nanotube composite-covered glassy-carbon electrode. Biosensors and Bioelectronics, 2007, 23, 74-80.	5.3	199
142	Particle size dependence of the lithium storage capability and high rate performance of nanocrystalline anatase TiO2 electrode. Journal of Power Sources, 2007, 166, 239-243.	4.0	318
143	Electrochemical hydrogen storage in Li-doped pentacene. Journal of Chemical Physics, 2006, 124, 204718.	1.2	7
144	Fabrication of Ordered Mesoporous Thin Films for Optical Waveguiding and Interferometric Chemical Sensing. Journal of Physical Chemistry B, 2006, 110, 10590-10594.	1.2	27

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145	Chemical Gas Sensor Application of Open-Pore Mesoporous Thin Films Based on Integrated Optical Polarimetric Interferometry. Analytical Chemistry, 2006, 78, 1034-1041.	3.2	37
146	Poly(acrylic acid)-wrapped multi-walled carbon nanotubes composite solubilization in water: definitive spectroscopic properties. Nanotechnology, 2006, 17, 2845-2849.	1.3	121
147	Organicâ€“Inorganic Hybrid Membranes for a PEMFC Operation at Intermediate Temperatures. Journal of the Electrochemical Society, 2006, 153, A508.	1.3	45
148	Ordered Porous Carbon with Tailored Pore Size for Electrochemical Hydrogen Storage Application. Journal of Physical Chemistry B, 2006, 110, 4875-4880.	1.2	147
149	Humidity sensor based on localized surface plasmon resonance of multilayer thin films of gold nanoparticles linked with myoglobin. Optics Letters, 2006, 31, 1854.	1.7	41
150	Multilayered mesoporous titanate nanocomposite film: Fabrication by layer-by-layer self-assembly and its electrochemical properties with H+ intercalation. Electrochemistry Communications, 2006, 8, 206-210.	2.3	10
151	Ultralong single-crystal TiO2-B nanowires: Synthesis and electrochemical measurements. Chemical Physics Letters, 2006, 424, 316-320.	1.2	44
152	The high power and high energy densities Li ion storage device by nanocrystalline and mesoporous Ni/NiO covered structure. Electrochemistry Communications, 2006, 8, 284-288.	2.3	63
153	Remote voltage generation through sono-electrochemical process on platinum surface. Electrochemistry Communications, 2006, 8, 801-806.	2.3	0
154	One-dimensional proton conductor under high vapor pressure condition employing titanate nanotube. Electrochemistry Communications, 2006, 8, 1549-1552.	2.3	26
155	Synthesis of the CoOOH fine nanoflake film with the high rate capacitance property. Journal of Power Sources, 2006, 158, 779-783.	4.0	147
156	Preparation of room temperature NO2 gas sensors based on W- and V-modified mesoporous MCM-41 thin films employing surface photovoltage technique. Sensors and Actuators B: Chemical, 2006, 114, 109-119.	4.0	39
157	Synthesis of single-crystal vanadium dioxide nanosheets by the hydrothermal process. Journal of Crystal Growth, 2006, 296, 1-5.	0.7	15
158	Structure and electrical properties of heat-treated fullerene nanowhiskers as potential energy device materials. Journal of the European Ceramic Society, 2006, 26, 429-434.	2.8	30
159	Heteropolyacid-Encapsulated Self-Assembled Materials for Anhydrous Proton-Conducting Electrolytes. Journal of Physical Chemistry B, 2006, 110, 20486-20490.	1.2	71
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