

# Byungwoo Park

## 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.

189  
papers

9,542  
citations

49  
h-index

90  
g-index

201  
ext. papers

10,218  
ext. citations

6  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
189	Mixed-Valence iron phosphate as an effective catalytic host for the High-Rate Lithium-Sulfur battery. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134814	14.7	0
188	Identifying the Association between Surface Heterogeneity and Electrochemical Properties in Graphite. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
187	Highly effective III-V solar cells by controlling the surface roughnesses. <i>Current Applied Physics</i> , <b>2020</b> , 20, 899-903	2.6	3
186	3D Meshlike Polyacrylamide Hydrogel as a Novel Binder System via in situ Polymerization for High-Performance Si-Based Electrode. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1901475	4.6	15
185	A Cu <sub>2</sub> O/CuSCN Nanocomposite as a Hole-Transport Material of Perovskite Solar Cells for Enhanced Carrier Transport and Suppressed Interfacial Degradation. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 7572-7579	6.1	16
184	Metal-Coordination Mediated Polyacrylate for High Performance Silicon Microparticle Anode. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 1287-1295	5.6	5
183	Incorporation of Lithium Fluoride Restraining Thermal Degradation and Photodegradation of Organometal Halide Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50418-50425	9.5	9
182	CuCrO Nanoparticles Incorporated into PTAA as a Hole Transport Layer for 85 °C and Light Stabilities in Perovskite Solar Cells. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	16
181	Electronic Traps and Their Correlations to Perovskite Solar Cell Performance via Compositional and Thermal Annealing Controls. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 6907-6917	9.5	41
180	Efficient Type-II Heterojunction Nanorod Sensitized Solar Cells Realized by Controlled Synthesis of Core/Patchy-Shell Structure and CdS Cosensitization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 19104-19114	9.5	10
179	Origins of Efficient Perovskite Solar Cells with Low-Temperature Processed SnO <sub>2</sub> Electron Transport Layer. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 3554-3560	6.1	43
178	Microstructural Evolution of Hybrid Perovskites Promoted by Chlorine and its Impact on the Performance of Solar Cell. <i>Scientific Reports</i> , <b>2019</b> , 9, 4803	4.9	40
177	Triamine-Based Aromatic Cation as a Novel Stabilizer for Efficient Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1905190	15.6	30
176	Methylammonium-chloride post-treatment on perovskite surface and its correlation to photovoltaic performance in the aspect of electronic traps. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 023101	2.5	10
175	Recent Progress in Inorganic Hole Transport Materials for Efficient and Stable Perovskite Solar Cells. <i>Electronic Materials Letters</i> , <b>2019</b> , 15, 505-524	2.9	38
174	Selective removal of nanopores by triphenylphosphine treatment on the natural graphite anode. <i>Electrochimica Acta</i> , <b>2019</b> , 326, 134993	6.7	10
173	Aminosilane-Modified CuGaO <sub>2</sub> Nanoparticles Incorporated with CuSCN as a Hole-Transport Layer for Efficient and Stable Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1901372	4.6	21

172	Interfacial Modification and Defect Passivation by the Cross-Linking Interlayer for Efficient and Stable CuSCN-Based Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46818-46824	9.5	45
171	An Aromatic Diamine Molecule as the A-Site Solute for Highly Durable and Efficient Perovskite Solar Cells. <i>Small Methods</i> , <b>2019</b> , 3, 1800361	12.8	32
170	Uniform Cs <sub>2</sub> SnI <sub>6</sub> Thin Films for Lead-Free and Stable Perovskite Optoelectronics via Hybrid Deposition Approaches. <i>Electronic Materials Letters</i> , <b>2019</b> , 15, 192-200	2.9	25
169	From Nanostructural Evolution to Dynamic Interplay of Constituents: Perspectives for Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2018</b> , 30, e1704208	24	39
168	Selective rear contact for Ga <sub>0.5</sub> In <sub>0.5</sub> P- and GaAs- based solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 182, 348-353	6.4	14
167	Optimum Morphology of Mixed-Olivine Mesocrystals for a Li-Ion Battery. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5999-6009	5.1	7
166	Complementary surface modification by disordered carbon and reduced graphene oxide on SnO <sub>2</sub> hollow spheres as an anode for Li-ion battery. <i>Carbon</i> , <b>2018</b> , 129, 342-348	10.4	31
165	Photoconductive noise microscopy revealing quantitative effect of localized electronic traps on the perovskite-based solar cell performance. <i>Nano Energy</i> , <b>2018</b> , 43, 29-36	17.1	13
164	Organometal Halide Perovskites: From Nanostructural Evolution to Dynamic Interplay of Constituents: Perspectives for Perovskite Solar Cells (Adv. Mater. 42/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870313	24	
163	Tailoring the Mesoscopic TiO Layer: Concomitant Parameters for Enabling High-Performance Perovskite Solar Cells. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 57	5	19
162	Breathable Carbon-Free Electrode: Black TiO <sub>2</sub> with Hierarchically Ordered Porous Structure for Stable LiO <sub>2</sub> Battery. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700814	21.8	50
161	Next-Generation Electrocatalysts <b>2017</b> , 713-741		
160	Synchrotron-based x-ray absorption spectroscopy for the electronic structure of Li <sub>x</sub> Mn <sub>0.8</sub> Fe <sub>0.2</sub> PO <sub>4</sub> mesocrystal in Li <sup>+</sup> batteries. <i>Nano Energy</i> , <b>2017</b> , 31, 495-503	17.1	22
159	Single-layer graphene-wrapped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode with superior lithium storage capability. <i>Carbon</i> , <b>2017</b> , 114, 275-283	10.4	52
158	Synergetic effect of double-step blocking layer for the perovskite solar cell. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 145106	2.5	11
157	Route to Improving Photovoltaics Based on CdSe/CdSeTe Type-II Heterojunction Nanorods: The Effect of Morphology and Cosensitization on Carrier Recombination and Transport. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 31931-31939	9.5	12
156	Insights on the delithiation/lithiation reactions of Li <sub>x</sub> Mn <sub>0.8</sub> Fe <sub>0.2</sub> PO <sub>4</sub> mesocrystals in Li <sup>+</sup> batteries by in situ techniques. <i>Nano Energy</i> , <b>2017</b> , 39, 371-379	17.1	26
155	Solvent and Intermediate Phase as Boosters for the Perovskite Transformation and Solar Cell Performance. <i>Scientific Reports</i> , <b>2016</b> , 6, 25648	4.9	36

154	Evaluation of graphene-wrapped LiFePO <sub>4</sub> as novel cathode materials for Li-ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 105081-105086	3.7	14
153	Evaluating the Optoelectronic Quality of Hybrid Perovskites by Conductive Atomic Force Microscopy with Noise Spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30985-30991	9.5	39
152	Investigation of chlorine-mediated microstructural evolution of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> (Cl) grains for high optoelectronic responses. <i>Nano Energy</i> , <b>2016</b> , 25, 91-99	17.1	32
151	Bandgap grading and Al <sub>0.3</sub> Ga <sub>0.7</sub> As heterojunction emitter for highly efficient GaAs-based solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2016</b> , 155, 264-272	6.4	33
150	Synthesis of LiMn <sub>0.8</sub> Fe <sub>0.2</sub> PO <sub>4</sub> Mesocrystals for High-Performance Li-Ion Cathode Materials. <i>Electrochimica Acta</i> , <b>2016</b> , 216, 203-210	6.7	16
149	Development of carbon-based cathodes for Li-air batteries: Present and future. <i>Electronic Materials Letters</i> , <b>2016</b> , 12, 551-567	2.9	37
148	Oxygen-Controlled Seed Layer in DC Sputter-Deposited ZnO:Al Substrate for Si Thin-Film Solar Cells. <i>IEEE Journal of Photovoltaics</i> , <b>2015</b> , 5, 473-478	3.7	5
147	Nanoroughness control of Al-Doped ZnO for high efficiency Si thin-film solar cells. <i>Current Applied Physics</i> , <b>2015</b> , 15, 1353-1357	2.6	10
146	Facile Conversion Synthesis of Densely-Formed Branched ZnO-Nanowire Arrays for Quantum-Dot-Sensitized Solar Cells. <i>Electrochimica Acta</i> , <b>2015</b> , 167, 194-200	6.7	21
145	Recent advances in the transparent conducting ZnO for thin-film Si solar cells. <i>Electronic Materials Letters</i> , <b>2015</b> , 11, 917-930	2.9	17
144	Organic-acid texturing of transparent electrodes toward broadband light trapping in thin-film solar cells. <i>Nano Energy</i> , <b>2015</b> , 17, 180-186	17.1	18
143	The construction of tandem dye-sensitized solar cells from chemically-derived nanoporous photoelectrodes. <i>Journal of Power Sources</i> , <b>2015</b> , 274, 937-942	8.9	34
142	Integration of CdSe/CdSexTe <sub>1-x</sub> Type-II Heterojunction Nanorods into Hierarchically Porous TiO <sub>2</sub> Electrode for Efficient Solar Energy Conversion. <i>Scientific Reports</i> , <b>2015</b> , 5, 17472	4.9	23
141	Reduced graphene oxide/carbon double-coated 3-D porous ZnO aggregates as high-performance Li-ion anode materials. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 204	5	26
140	Wrapping SnO <sub>2</sub> with porosity-tuned graphene as a strategy for high-rate performance in lithium battery anodes. <i>Carbon</i> , <b>2015</b> , 85, 289-298	10.4	48
139	Enhanced rate capability of LiMn <sub>0.9</sub> Mg <sub>0.1</sub> PO <sub>4</sub> nanoplates by reduced graphene oxide/carbon double coating for Li-ion batteries. <i>Current Applied Physics</i> , <b>2014</b> , 14, 725-730	2.6	21
138	Quantitative analyses of damp-heat-induced degradation in transparent conducting oxides. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 122, 282-286	6.4	31
137	Effective wrapping of graphene on individual Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> grains for high-rate Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2023-2027	13	69

136	Oriented Hierarchical Porous TiO <sub>2</sub> Nanowires on Ti Substrate: Evolution of Nanostructures for Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , <b>2014</b> , 145, 231-236	6.7	18
135	Improving scattering layer through mixture of nanoporous spheres and nanoparticles in ZnO-based dye-sensitized solar cells. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 295	5	10
134	Analysis of a-Si:H/TCO contact resistance for the Si heterojunction back-contact solar cell. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 120, 412-416	6.4	55
133	Synergistic improvement of oxygen reduction reaction on gold/cerium-phosphate catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 10921-10926	6.7	11
132	The effect of TiO <sub>2</sub> -coating layer on the performance in nanoporous ZnO-based dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2013</b> , 232, 159-164	8.9	19
131	Graded bandgap structure for PbS/CdS/ZnS quantum-dot-sensitized solar cells with a PbxCd <sub>1-x</sub> S interlayer. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 183901	3.4	42
130	Electronic Effect in Methanol Dehydrogenation on Pt Surfaces: Potential Control during Methanol Electrooxidation. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 2931-2936	6.4	20
129	The role of ZnO-coating-layer thickness on the recombination in CdS quantum-dot-sensitized solar cells. <i>Nano Energy</i> , <b>2013</b> , 2, 1218-1224	17.1	21
128	Electronic transport and carrier concentration in conductive ZnO:Ga thin films. <i>Current Applied Physics</i> , <b>2013</b> , 13, 415-418	2.6	24
127	Nanostructural analysis of ZnO:Al thin films for carrier-transport mechanisms. <i>Current Applied Physics</i> , <b>2013</b> , 13, 775-778	2.6	13
126	Review paper: Toward highly efficient quantum-dot- and dye-sensitized solar cells. <i>Current Applied Physics</i> , <b>2013</b> , 13, S2-S13	2.6	79
125	Preparation and exceptional lithium anodic performance of porous carbon-coated ZnO quantum dots derived from a metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7394-7404	16.4	418
124	A simple template-free sputtering deposition and selective etching process for nanoporous thin films and its application to dye-sensitized solar cells. <i>Nanotechnology</i> , <b>2013</b> , 24, 365604	3.4	10
123	Photoluminescence Enhancement by Surface-Plasmon Resonance: Recombination-Rate Theory and Experiments. <i>Applied Physics Express</i> , <b>2013</b> , 6, 052001	2.4	5
122	Pt/AlPO <sub>4</sub> nanocomposite thin-film electrodes for ethanol electrooxidation. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 135, 188-192	4.4	9
121	Surface-plasmon-enhanced photoluminescence of CdS nanoparticles with Au/SiO <sub>2</sub> nanocomposites. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 453-457	5.1	25
120	The role of carbon incorporation in SnO <sub>2</sub> nanoparticles for Li rechargeable batteries. <i>Journal of Power Sources</i> , <b>2012</b> , 211, 154-160	8.9	55
119	Surface-plasmon resonance for photoluminescence and solar-cell applications. <i>Electronic Materials Letters</i> , <b>2012</b> , 8, 351-364	2.9	23

118	Trigonal Na <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Phase as an Intercalation Host for Rechargeable Batteries. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, A2016-A2023	3.9	40
117	Facile synthesis of porous-carbon/LiFePO <sub>4</sub> nanocomposites. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	14
116	Surface plasmon-coupled photoluminescence from CdS nanoparticles with Au films. <i>Solid State Communications</i> , <b>2012</b> , 152, 1767-1770	1.6	13
115	The role of a TiCl <sub>4</sub> treatment on the performance of CdS quantum-dot-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2012</b> , 220, 108-113	8.9	64
114	Photoluminescence enhancement in CdS quantum dots by thermal annealing. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 482	5	49
113	Improved measurement accuracy for the thickness of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films by using a single two-resonance-mode sapphire resonator. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 60, 1072-1077	0.6	1
112	Challenges in synthesizing carbon-coated LiFePO <sub>4</sub> nanoparticles from hydrous FePO <sub>4</sub> and their electrochemical properties. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 3495-3498	5.1	5
111	An effective oxidation approach for luminescence enhancement in CdS quantum dots by H <sub>2</sub> O <sub>2</sub> . <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 672	5	22
110	Nanoscale interface control for high-performance Li-ion batteries. <i>Electronic Materials Letters</i> , <b>2012</b> , 8, 91-105	2.9	44
109	Investigation of electronic and optical properties in Al <sub>x</sub> Ga <sub>1-x</sub> codoped ZnO thin films. <i>Current Applied Physics</i> , <b>2012</b> , 12, 628-631	2.6	69
108	The effect of TiCl <sub>4</sub> -treated TiO <sub>2</sub> compact layer on the performance of dye-sensitized solar cell. <i>Current Applied Physics</i> , <b>2012</b> , 12, 737-741	2.6	130
107	The effects of 100 nm-diameter Au nanoparticles on dye-sensitized solar cells. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 253107	3.4	75
106	Ultrathin zirconium disulfide nanodiscs. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 7636-9	16.4	133
105	Electrochemical Promotion of Oxygen Reduction on Gold with Aluminum Phosphate Overlayer. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7092-7096	3.8	17
104	The effect of a blocking layer on the photovoltaic performance in CdS quantum-dot-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 10526-10531	8.9	103
103	Methanol oxidation in nanostructured platinum/cerium-phosphate thin films. <i>Current Applied Physics</i> , <b>2011</b> , 11, S2-S5	2.6	12
102	Preface of ENGE 2010 special issue. <i>Current Applied Physics</i> , <b>2011</b> , 11, S1	2.6	2
101	Review paper: Semiconductor nanoparticles with surface passivation and surface plasmon. <i>Electronic Materials Letters</i> , <b>2011</b> , 7, 185-194	2.9	34

100	Photoluminescence enhancement in CdS nanoparticles by surface-plasmon resonance. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 041906	3.4	54
99	Surface-passivation effects on the photoluminescence enhancement in ZnS:Mn nanoparticles by ultraviolet irradiation with oxygen bubbling. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 211908	3.4	32
98	Optical and electronic properties of post-annealed ZnO:Al thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 171902	3.4	127
97	Modification of Gold Catalysis with Aluminum Phosphate for Oxygen-Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3688-3692	3.8	38
96	The effect of Al <sub>2</sub> O <sub>3</sub> -coating coverage on the electrochemical properties in LiCoO <sub>2</sub> thin films. <i>Journal of Solid State Electrochemistry</i> , <b>2010</b> , 14, 1235-1240	2.6	49
95	Effects of iron-phosphate coating on Ru dissolution in the PtRu thin-film electrodes. <i>Journal of Materials Research</i> , <b>2009</b> , 24, 140-144	2.5	11
94	The effects of ruthenium-oxidation states on Ru dissolution in PtRu thin-film electrodes. <i>Journal of Materials Research</i> , <b>2009</b> , 24, 2762-2766	2.5	26
93	Nanoporous Pt thin films with superior catalytic activities by the electrochemical dissolution of Al. <i>Metals and Materials International</i> , <b>2009</b> , 15, 989-992	2.4	6
92	Understanding the photoluminescence mechanisms of nanophosphor surface. <i>Electronic Materials Letters</i> , <b>2009</b> , 5, 201-204	2.9	8
91	Overcharge Behavior of Metal Oxide-Coated Cathode Materials <b>2009</b> , 1-33		
90	Cathodes Based on LicoO <sub>2</sub> and LiniO <sub>2</sub> <b>2009</b> , 410-444		
89	Highly luminescent surface-passivated ZnS:Mn nanoparticles by a simple one-step synthesis. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 163118	3.4	45
88	Two-Dimensional SnS <sub>2</sub> Nanoplates with Extraordinary High Discharge Capacity for Lithium Ion Batteries. <i>Advanced Materials</i> , <b>2008</b> , 20, 4269-4273	2.4	477
87	The effect of nitrogen on the cycling performance in thin-film Si <sub>1-x</sub> N <sub>x</sub> anode. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 2139-2142	3.3	23
86	Two-dimensional nanosheet crystals. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8828-31	16.4	287
85	Suppression of structural degradation of LiNi <sub>0.9</sub> Co <sub>0.1</sub> O <sub>2</sub> cathode at 90 °C by AlPO <sub>4</sub> -nanoparticle coating. <i>Current Applied Physics</i> , <b>2007</b> , 7, 172-175	2.6	18
84	The dependence of dielectric properties on the thickness of (Ba,Sr)TiO <sub>3</sub> thin films. <i>Current Applied Physics</i> , <b>2007</b> , 7, 168-171	2.6	26
83	Reaction mechanisms of tridymite iron phosphate with lithium ions in the low-voltage range. <i>Electrochimica Acta</i> , <b>2007</b> , 53, 1843-1849	6.7	9

82	Novel SnS <sub>2</sub> -nanosheet anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2007</b> , 167, 529-535	8.9	284
81	Electrochemical properties of tin phosphates with various mesopore ratios. <i>Journal of Power Sources</i> , <b>2007</b> , 172, 908-912	8.9	18
80	Metal-phosphate coating on LiCoO <sub>2</sub> cathodes with high cutoff voltages. <i>Materials Research Bulletin</i> , <b>2007</b> , 42, 1201-1211	5.1	29
79	Nanostructural Effect of AlPO <sub>4</sub> -Nanoparticle Coating on the Cycle-Life Performance in LiCoO <sub>2</sub> Thin Films. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, A32		17
78	Iron-phosphate-platinum-carbon nanocomposites for enhanced electrocatalytic stability. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 113101	3.4	30
77	Electrochemical stability in cerium-phosphate-coated LiCoO <sub>2</sub> thin films. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 688-694	2.5	10
76	Hydroxyl-Quenching Effects on the Photoluminescence Properties of SnO <sub>2</sub> :Eu <sup>3+</sup> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 4164-4167	3.8	89
75	Synthesis and photoluminescence of Mn-doped zinc sulfide nanoparticles. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 101910	3.4	64
74	Electrochemical Properties of Disordered-Carbon-Coated SnO <sub>2</sub> Nanoparticles for Li Rechargeable Batteries. <i>Electrochemical and Solid-State Letters</i> , <b>2006</b> , 9, A408		66
73	Nanostructured Platinum/Iron Phosphate Thin-Film Electrodes for Methanol Oxidation. <i>Electrochemical and Solid-State Letters</i> , <b>2006</b> , 9, E27		26
72	The Effect of AlPO <sub>4</sub> -Coating Layer on the Electrochemical Properties in LiCoO <sub>2</sub> Thin Films. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, A1773	3.9	42
71	Enhancement of the electrochemical properties of o-LiMnO <sub>2</sub> cathodes at elevated temperature by lithium and fluorine additions. <i>Journal of Power Sources</i> , <b>2006</b> , 154, 268-272	8.9	33
70	Electrochemical performance of amorphous-silicon thin films for lithium rechargeable batteries. <i>Journal of Power Sources</i> , <b>2006</b> , 155, 391-394	8.9	88
69	Synthesis and growth mechanisms of one-dimensional strontium hydroxyapatite nanostructures. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 9895-9901	5.1	47
68	Critical Size of a Nano SnO <sub>2</sub> Electrode for Li-Secondary Battery. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 3297-3301	3.0	484
67	Direct carbon-black coating on LiCoO <sub>2</sub> cathode using surfactant for high-density Li-ion cell. <i>Journal of Power Sources</i> , <b>2005</b> , 139, 289-294	8.9	66
66	Comparison of Al <sub>2</sub> O <sub>3</sub> - and AlPO <sub>4</sub> -coated LiCoO <sub>2</sub> cathode materials for a Li-ion cell. <i>Journal of Power Sources</i> , <b>2005</b> , 146, 58-64	8.9	97
65	Control of AlPO <sub>4</sub> -nanoparticle coating on LiCoO <sub>2</sub> by using water or ethanol. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 4182-4187	6.7	36



64	Microwave dielectric relaxation of the polycrystalline (Ba,Sr)TiO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 182904	3.4	15
63	Dielectric relaxation of atomic-layer-deposited HfO <sub>2</sub> thin films from 1kHz to 5GHz. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 012901	3.4	30
62	Annealing-Temperature Effect on Various Cutoff-Voltage Electrochemical Performances in AlPO <sub>4</sub> -Nanoparticle-Coated LiCoO <sub>2</sub> . <i>Journal of the Electrochemical Society</i> , <b>2005</b> , 152, A32	3.9	38
61	Changes in the Lattice Constants of Thin-Film LiCoO <sub>2</sub> Cathodes at the 4.2 V Charged State. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, A1063	3.9	28
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