

Hongsik Choi

List of Publications by Year in descending order

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35
papers

1,209
citations

394421

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501196

28
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docs citations

35
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of TiCl ₄ -treated TiO ₂ compact layer on the performance of dye-sensitized solar cell. <i>Current Applied Physics</i> , 2012, 12, 737-741.	2.4	144
2	The effect of a blocking layer on the photovoltaic performance in CdS quantum-dot-sensitized solar cells. <i>Journal of Power Sources</i> , 2011, 196, 10526-10531.	7.8	111
3	The effects of 100-nm-diameter Au nanoparticles on dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2011, 99, 253107.	3.3	83
4	Review paper: Toward highly efficient quantum-dot- and dye-sensitized solar cells. <i>Current Applied Physics</i> , 2013, 13, S2-S13.	2.4	83
5	The role of a TiCl ₄ treatment on the performance of CdS quantum-dot-sensitized solar cells. <i>Journal of Power Sources</i> , 2012, 220, 108-113.	7.8	67
6	Loopback Recovery From Double-Link Failures in Optical Mesh Networks. <i>IEEE/ACM Transactions on Networking</i> , 2004, 12, 1119-1130.	3.8	65
7	Scheduling for information gathering on sensor network. <i>Wireless Networks</i> , 2009, 15, 127-140.	3.0	63
8	The role of carbon incorporation in SnO ₂ nanoparticles for Li rechargeable batteries. <i>Journal of Power Sources</i> , 2012, 211, 154-160.	7.8	63
9	Photoluminescence enhancement in CdS nanoparticles by surface-plasmon resonance. <i>Applied Physics Letters</i> , 2011, 99, 041906.	3.3	59
10	Photoluminescence enhancement in CdS quantum dots by thermal annealing. <i>Nanoscale Research Letters</i> , 2012, 7, 482.	5.7	54
11	Review paper: Semiconductor nanoparticles with surface passivation and surface plasmon. <i>Electronic Materials Letters</i> , 2011, 7, 185-194.	2.2	46
12	Graded bandgap structure for PbS/CdS/ZnS quantum-dot-sensitized solar cells with a Pb _x Cd _{1-x} S interlayer. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	46
13	Efficient scheduling of transmissions in optical broadcast networks. <i>IEEE/ACM Transactions on Networking</i> , 1996, 4, 913-920.	3.8	44
14	The construction of tandem dye-sensitized solar cells from chemically-derived nanoporous photoelectrodes. <i>Journal of Power Sources</i> , 2015, 274, 937-942.	7.8	37
15	Active monitoring and alarm management for fault localization in transparent all-optical networks. <i>IEEE Transactions on Network and Service Management</i> , 2010, 7, 118-131.	4.9	30
16	Surface-plasmon resonance for photoluminescence and solar-cell applications. <i>Electronic Materials Letters</i> , 2012, 8, 351-364.	2.2	25
17	The role of ZnO-coating-layer thickness on the recombination in CdS quantum-dot-sensitized solar cells. <i>Nano Energy</i> , 2013, 2, 1218-1224.	16.0	25
18	The effect of TiO ₂ -coating layer on the performance in nanoporous ZnO-based dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2013, 232, 159-164.	7.8	21

#	ARTICLE	IF	CITATIONS
19	Oriented Hierarchical Porous TiO ₂ Nanowires on Ti Substrate: Evolution of Nanostructures for Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , 2014, 145, 231-236.	5.2	21
20	Electrochemical Promotion of Oxygen Reduction on Gold with Aluminum Phosphate Overlayer. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7092-7096.	3.1	18
21	Facile synthesis of porous-carbon/LiFePO ₄ nanocomposites. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	17
22	Improving scattering layer through mixture of nanoporous spheres and nanoparticles in ZnO-based dye-sensitized solar cells. <i>Nanoscale Research Letters</i> , 2014, 9, 295.	5.7	14
23	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> , 2013, 24, 365604.	2.6	12
24	Vehicle identification using wireless sensor networks. , 2007, , .		11
25	Loopback recovery from neighboring double-link failures in WDM mesh networks. <i>Information Sciences</i> , 2003, 149, 197-209.	6.9	9
26	Monitoring and alarm management in transparent optical networks. , 2007, , .		7
27	Oxygen-Controlled Seed Layer in DC Sputter-Deposited ZnO:Al Substrate for Si Thin-Film Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2015, 5, 473-478.	2.5	7
28	Optimum transmission scheduling in optical broadcast networks. , 0, , .		6
29	Challenges in synthesizing carbon-coated LiFePO ₄ nanoparticles from hydrous FePO ₄ and their electrochemical properties. <i>Materials Research Bulletin</i> , 2012, 47, 3495-3498.	5.2	6
30	Photoluminescence Enhancement by Surface-Plasmon Resonance: Recombination-Rate Theory and Experiments. <i>Applied Physics Express</i> , 2013, 6, 052001.	2.4	6
31	Packet filtering to defend flooding-based DDoS attacks [Internet denial-of-service attacks]. , 0, , .		4
32	On the all-to-all broadcast problem in optical networks. , 0, , .		3
33	A distributed wireless channel assignment algorithm with collision reduction. , 2009, , .		1
34	Vulnerability Analysis of the Grid Data Security Authentication System. <i>Information Security Journal</i> , 2010, 19, 182-190.	1.9	1
35	Minimal Delay Traffic Grooming in WDM Optical Star Networks. <i>Photonic Network Communications</i> , 2006, 11, 323-330.	2.7	0