Hongsik Choi

List of Publications by Year
in descending order

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35	1,209	394421 19	501196 28
papers	citations	h-index	g-index

35	35	35	1616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxygen-Controlled Seed Layer in DC Sputter-Deposited ZnO:Al Substrate for Si Thin-Film Solar Cells. IEEE Journal of Photovoltaics, 2015, 5, 473-478.	2.5	7
2	The construction of tandem dye-sensitized solar cells from chemically-derived nanoporous photoelectrodes. Journal of Power Sources, 2015, 274, 937-942.	7.8	37
3	Oriented Hierarchical Porous TiO2 Nanowires on Ti Substrate: Evolution of Nanostructures for Dye-Sensitized Solar Cells. Electrochimica Acta, 2014, 145, 231-236.	5.2	21
4	Improving scattering layer through mixture of nanoporous spheres and nanoparticles in ZnO-based dye-sensitized solar cells. Nanoscale Research Letters, 2014, 9, 295.	5.7	14
5	The effect of TiO2-coating layer on the performance in nanoporous ZnO-based dye-sensitized solar cells. Journal of Power Sources, 2013, 232, 159-164.	7.8	21
6	Graded bandgap structure for PbS/CdS/ZnS quantum-dot-sensitized solar cells with a PbxCd1â^'xS interlayer. Applied Physics Letters, 2013, 102, .	3.3	46
7	The role of ZnO-coating-layer thickness on the recombination in CdS quantum-dot-sensitized solar cells. Nano Energy, 2013, 2, 1218-1224.	16.0	25
8	Review paper: Toward highly efficient quantum-dot- and dye-sensitized solar cells. Current Applied Physics, 2013, 13, S2-S13.	2.4	83
9	A simple template-free â€˜sputtering deposition and selective etchingâ€™ process for nanoporous thin films and its application to dye-sensitized solar cells. Nanotechnology, 2013, 24, 365604.	2.6	12
10	Photoluminescence Enhancement by Surface-Plasmon Resonance: Recombination-Rate Theory and Experiments. Applied Physics Express, 2013, 6, 052001.	2.4	6
11	Surface-plasmon resonance for photoluminescence and solar-cell applications. Electronic Materials Letters, 2012, 8, 351-364.	2.2	25
12	Facile synthesis of porous-carbon/LiFePO4 nanocomposites. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	17
13	The role of a TiCl4 treatment on the performance of CdS quantum-dot-sensitized solar cells. Journal of Power Sources, 2012, 220, 108-113.	7.8	67
14	Photoluminescence enhancement in CdS quantum dots by thermal annealing. Nanoscale Research Letters, 2012, 7, 482.	5.7	54
15	Challenges in synthesizing carbon-coated LiFePO4 nanoparticles from hydrous FePO4 and their electrochemical properties. Materials Research Bulletin, 2012, 47, 3495-3498.	5.2	6
16	The effect of TiCl4-treated TiO2 compact layer on the performance of dye-sensitized solar cell. Current Applied Physics, 2012, 12, 737-741.	2.4	144
17	The role of carbon incorporation in SnO2 nanoparticles for Li rechargeable batteries. Journal of Power Sources, 2012, 211, 154-160.	7.8	63
18	The effects of 100â€‰nm-diameter Au nanoparticles on dye-sensitized solar cells. Applied Physics Letters, 2011, 99, 253107.	3.3	83

#	Article	IF	Citations
19	Electrochemical Promotion of Oxygen Reduction on Gold with Aluminum Phosphate Overlayer. Journal of Physical Chemistry C, 2011, 115, 7092-7096.	3.1	18
20	The effect of a blocking layer on the photovoltaic performance in CdS quantum-dot-sensitized solar cells. Journal of Power Sources, 2011, 196, 10526-10531.	7.8	111
21	Review paper: Semiconductor nanoparticles with surface passivation and surface plasmon. Electronic Materials Letters, 2011, 7, 185-194.	2.2	46
22	Photoluminescence enhancement in CdS nanoparticles by surface-plasmon resonance. Applied Physics Letters, 2011, 99, 041906.	3.3	59
23	Active monitoring and alarm management for fault localization in transparent all-optical networks. IEEE Transactions on Network and Service Management, 2010, 7, 118-131.	4.9	30
24	Vulnerability Analysis of the Grid Data Security Authentication System. Information Security Journal, 2010, 19, 182-190.	1.9	1
25	Scheduling for information gathering on sensor network. Wireless Networks, 2009, 15, 127-140.	3.0	63
26	A distributed wireless channel assignment algorithm with collision reduction. , 2009, , .		1
27	Vehicle identification using wireless sensor networks. , 2007, , .		11
28	Monitoring and alarm management in transparent optical networks. , 2007, , .		7
29	Minimal Delay Traffic Grooming in WDM Optical Star Networks. Photonic Network Communications, 2006, 11, 323-330.	2.7	0
30	Loopback Recovery From Double-Link Failures in Optical Mesh Networks. IEEE/ACM Transactions on Networking, 2004, 12, 1119-1130.	3.8	65
31	Loopback recovery from neighboring double-link failures in WDM mesh networks. Information Sciences, 2003, 149, 197-209.	6.9	9
32	Efficient scheduling of transmissions in optical broadcast networks. IEEE/ACM Transactions on Networking, 1996, 4, 913-920.	3.8	44
33	Optimum transmission scheduling in optical broadcast networks. , 0, , .		6
34	On the all-to-all broadcast problem in optical networks. , 0, , .		3
35	Packet filtering to defend flooding-based DDoS attacks [Internet denial-of-service attacks]. , 0, , .		4