

Harkjin Kim

List of Publications by Year in descending order

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16
papers

1,125
citations

623188

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940134

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docs citations

16
times ranked

1759
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Highly Efficient Dye-Sensitized Solar Cells by Hierarchical Pore Generation with Nanoporous TiO ₂ Spheres. <i>Advanced Materials</i> , 2009, 21, 3668-3673.	11.1	452
2	Size-dependent light-scattering effects of nanoporous TiO ₂ spheres in dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 532-538.	6.7	201
3	Formation of Efficient Dye-Sensitized Solar Cells by Introducing an Interfacial Layer of Long-Range Ordered Mesoporous TiO ₂ Thin Film. <i>Langmuir</i> , 2008, 24, 13225-13230.	1.6	88
4	Novel Coupled Structures of FeWO ₄ /TiO ₂ and FeWO ₄ /TiO ₂ /CdS Designed for Highly Efficient Visible-Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9654-9663.	4.0	63
5	Hybrid Organic/Inorganic Band-Edge Modulation of <i>p</i> -Si(111) Photoelectrodes: Effects of R, Metal Oxide, and Pt on H ₂ Generation. <i>Journal of the American Chemical Society</i> , 2015, 137, 3173-3176.	6.6	47
6	Hierarchical mesoporous anatase TiO ₂ nanostructures with efficient photocatalytic and photovoltaic performances. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9714-9721.	5.2	43
7	H ₂ Photogeneration Using a Phosphonate-Anchored Ni-PNP Catalyst on a Band-Edge-Modified <i>p</i> -Si(111) AZO Construct. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1061-1066.	4.0	36
8	Double-heterojunction structure of Sb _x Sn _{1-x} O ₂ /TiO ₂ /CdSe for efficient decomposition of gaseous 2-propanol under visible-light irradiation. <i>RSC Advances</i> , 2012, 2, 622-630.	1.7	35
9	Effect of Layer-by-Layer Assembled SnO ₂ Interfacial Layers in Photovoltaic Properties of Dye-Sensitized Solar Cells. <i>Langmuir</i> , 2012, 28, 10620-10626.	1.6	30
10	Platinum-Enhanced Electron Transfer and Surface Passivation through Ultrathin Film Aluminum Oxide (Al ₂ O ₃) on Si(111)-CH ₃ Photoelectrodes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8572-8584.	4.0	30
11	Annealing-free preparation of anatase TiO ₂ nanopopcorns on Ti foil via a hydrothermal process and their photocatalytic and photovoltaic applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5982.	5.2	25
12	Low-temperature formation of efficient dye-sensitized electrodes employing nanoporous TiO ₂ spheres. <i>Electrochemistry Communications</i> , 2010, 12, 1283-1286.	2.3	24
13	Charge-Transfer through Ultrathin Film TiO ₂ on <i>n</i> -Si(111) Photoelectrodes: Experimental and Theoretical Investigation of Electric Field-Enhanced Transport with a Nonaqueous Redox Couple. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25697-25708.	1.5	19
14	Photo-assisted electrodeposition of MoS ₂ from ionic liquids on organic-functionalized silicon photoelectrodes for H ₂ generation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7027-7035.	5.2	16
15	Improvement of Photovoltaic Efficiency of Dye-Sensitized Solar Cell by Introducing Highly Transparent Nanoporous TiO ₂ Buffer Layer. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 340-344.	0.9	8
16	Interface control with layer-by-layer assembled ionic polymers for efficient low-temperature dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 11179.	6.7	8