Harkjin Kim

List of Publications by Year
in descending order

16 papers	1,125 citations	623188 14 h-index	940134 16 g-index
16 all docs	16 docs citations	16 times ranked	1759 citing authors

#	Article	IF	Citations
1	Charge-Transfer through Ultrathin Film TiO₂ on n-Si(111) Photoelectrodes: Experimental and Theoretical Investigation of Electric Field-Enhanced Transport with a Nonaqueous Redox Couple. Journal of Physical Chemistry C, 2016, 120, 25697-25708.	1.5	19
2	H₂ Photogeneration Using a Phosphonate-Anchored Ni-PNP Catalyst on a Band-Edge-Modified p-Si(111)|AZO Construct. ACS Applied Materials & Interfaces, 2016, 8, 1061-1066.	4.0	36
3	Photo-assisted electrodeposition of MoSxfrom ionic liquids on organic-functionalized silicon photoelectrodes for H2generation. Journal of Materials Chemistry A, 2016, 4, 7027-7035.	5.2	16
4	Hybrid Organic/Inorganic Band-Edge Modulation of p-Si(111) Photoelectrodes: Effects of R, Metal Oxide, and Pt on H₂ Generation. Journal of the American Chemical Society, 2015, 137, 3173-3176.	6.6	47
5	Platinum-Enhanced Electron Transfer and Surface Passivation through Ultrathin Film Aluminum Oxide (Al₂O₃) on Si(111)â€“CH₃ Photoelectrodes. ACS Applied Materials & Interfaces, 2015, 7, 8572-8584.	4.0	30
6	Hierarchical mesoporous anatase TiO₂nanostructures with efficient photocatalytic and photovoltaic performances. Journal of Materials Chemistry A, 2015, 3, 9714-9721.	5.2	43
7	Novel Coupled Structures of FeWO₄/TiO₂ and FeWO₄/TiO₂/CdS Designed for Highly Efficient Visible-Light Photocatalysis. ACS Applied Materials & Interfaces, 2014, 6, 9654-9663.	4.0	63
8	Annealing-free preparation of anatase TiO2 nanopopcorns on Ti foil via a hydrothermal process and their photocatalytic and photovoltaic applications. Journal of Materials Chemistry A, 2013, 1, 5982.	5.2	25
9	Double-heterojunction structure of SbxSn1-xO2/TiO2/CdSe for efficient decomposition of gaseous 2-propanol under visible-light irradiation. RSC Advances, 2012, 2, 622-630.	1.7	35
10	Effect of Layer-by-Layer Assembled SnO₂ Interfacial Layers in Photovoltaic Properties of Dye-Sensitized Solar Cells. Langmuir, 2012, 28, 10620-10626.	1.6	30
11	Interface control with layer-by-layer assembled ionic polymers for efficient low-temperature dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 11179.	6.7	8
12	Size-dependent light-scattering effects of nanoporous TiO2 spheres in dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 532-538.	6.7	201
13	Improvement of Photovoltaic Efficiency of Dye-Sensitized Solar Cell by Introducing Highly Transparent Nanoporous TiO₂ Buffer Layer. Journal of Nanoscience and Nanotechnology, 2010, 10, 340-344.	0.9	8
14	Low-temperature formation of efficient dye-sensitized electrodes employing nanoporous TiO2 spheres. Electrochemistry Communications, 2010, 12, 1283-1286.	2.3	24
15	Formation of Highly Efficient Dyeâ€Sensitized Solar Cells by Hierarchical Pore Generation with Nanoporous TiO₂ Spheres. Advanced Materials, 2009, 21, 3668-3673.	11.1	452
16	Formation of Efficient Dye-Sensitized Solar Cells by Introducing an Interfacial Layer of Long-Range Ordered Mesoporous TiO₂ Thin Film. Langmuir, 2008, 24, 13225-13230.	1.6	88