

Andrew Chan

List of Publications by Citations

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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.

17
papers

1,007
citations

13
h-index

17
g-index

17
ext. papers

1,155
ext. citations

6.7
avg, IF

4.19
L-index

#	Paper	IF	Citations
17	The roles of metal co-catalysts and reaction media in photocatalytic hydrogen production: Performance evaluation of M/TiO ₂ photocatalysts (M = Pd, Pt, Au) in different alcohol-water mixtures. <i>Journal of Catalysis</i> , 2015 , 329, 355-367	7.3	230
16	Catalytically Active Bimetallic Nanoparticles Supported on Porous Carbon Capsules Derived From Metal-Organic Framework Composites. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11872-81	16.4	185
15	Ni/TiO ₂ : A promising low-cost photocatalytic system for solar H ₂ production from ethanol-water mixtures. <i>Journal of Catalysis</i> , 2015 , 326, 43-53	7.3	131
14	Effect of TiO ₂ polymorph and alcohol sacrificial agent on the activity of Au/TiO ₂ photocatalysts for H ₂ production in alcohol-water mixtures. <i>Journal of Catalysis</i> , 2015 , 329, 499-513	7.3	114
13	Performance comparison of Ni/TiO ₂ and Au/TiO ₂ photocatalysts for H ₂ production in different alcohol-water mixtures. <i>Journal of Catalysis</i> , 2018 , 367, 27-42	7.3	71
12	Novel Au/TiO ₂ photocatalysts for hydrogen production in alcohol-water mixtures based on hydrogen titanate nanotube precursors. <i>Journal of Catalysis</i> , 2015 , 330, 238-254	7.3	69
11	General Synthetic Strategy for Libraries of Supported Multicomponent Metal Nanoparticles. <i>ACS Nano</i> , 2018 , 12, 4594-4604	16.7	52
10	A nanostructural basis for gloss of avian eggshells. <i>Journal of the Royal Society Interface</i> , 2015 , 12,	4.1	38
9	Structural, Optical, and Catalytic Support Properties of Al ₂ O ₃ Inverse Opals. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6647-6659	3.8	30
8	Effect of the TiO ₂ Crystallite Size, TiO ₂ Polymorph and Test Conditions on the Photo-Oxidation Rate of Aqueous Methylene Blue. <i>Topics in Catalysis</i> , 2015 , 58, 85-102	2.3	23
7	Highly reactive anatase nanorod photocatalysts synthesized by calcination of hydrogen titanate nanotubes: Effect of calcination conditions on photocatalytic performance for aqueous dye degradation and H ₂ production in alcohol-water mixtures. <i>Applied Catalysis A: General</i> , 2018 , 565, 98-118	5.1	17
6	Achieving Color and Function with Structure: Optical and Catalytic Support Properties of ZrO Inverse Opal Thin Films. <i>ACS Omega</i> , 2018 , 3, 9658-9674	3.9	15
5	3-Dimensionally ordered macroporous PEDOT ion-exchange resins prepared by vapor phase polymerization for triggered drug delivery: Fabrication and characterization. <i>Electrochimica Acta</i> , 2018 , 269, 560-570	6.7	13
4	Structural and optical properties of perovskite-type LaTiO ₂ N synthesized using urea or thiourea as co-nitrating agents. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 3311-3317	6	9
3	Photoluminescence Properties of (Ba _{1-(x+y)} Sr _x Eu _y) ₂ Si ₆ O ₁₂ N ₂ Phosphors for White LED Applications. <i>Journal of Nano Research</i> , 2015 , 36, 1-7	1	4
2	On the mechanism of sodium migration in transition aluminas with calcination. <i>Acta Materialia</i> , 2018 , 153, 226-234	8.4	3
1	Probing hydrogen bonding interactions and impurity intercalation in gibbsite using experimental and theoretical XANES spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24033-24044	3.6	3

