

Jing Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,502
citations

516710

16
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

2849
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Aromatic Ketones by a Transition Metal-Catalyzed Tandem Sequence. <i>Journal of the American Chemical Society</i> , 2006, 128, 7436-7437.	13.7	247
2	Quantum Confinement Controls Photocatalysis: A Free Energy Analysis for Photocatalytic Proton Reduction at CdSe Nanocrystals. <i>ACS Nano</i> , 2013, 7, 4316-4325.	14.6	234
3	Structure defects in g-C ₃ N ₄ limit visible light driven hydrogen evolution and photovoltage. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20338-20344.	10.3	233
4	Single-Crystal Tungsten Oxide Nanosheets: Photochemical Water Oxidation in the Quantum Confinement Regime. <i>Chemistry of Materials</i> , 2012, 24, 698-704.	6.7	158
5	Nickel Oxide Particles Catalyze Photochemical Hydrogen Evolution from Water—Nanoscaling Promotes P-Type Character and Minority Carrier Extraction. <i>ACS Nano</i> , 2015, 9, 5135-5142.	14.6	98
6	Photochemical Charge Separation in Nanocrystal Photocatalyst Films: Insights from Surface Photovoltage Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 782-786.	4.6	78
7	High alkalinity boosts visible light driven H ₂ evolution activity of g-C ₃ N ₄ in aqueous methanol. <i>Chemical Communications</i> , 2014, 50, 15521-15524.	4.1	69
8	Controlling the Trap State Landscape of Colloidal CdSe Nanocrystals with Cadmium Halide Ligands. <i>Chemistry of Materials</i> , 2015, 27, 744-756.	6.7	58
9	Enhancing Majority Carrier Transport in WO ₃ /Water Oxidation Photoanode via Electrochemical Doping. <i>Journal of the Electrochemical Society</i> , 2015, 162, H65-H71.	2.9	56
10	P3HT:PCBM Bulk-Heterojunctions: Observing Interfacial and Charge Transfer States with Surface Photovoltage Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14723-14731.	3.1	44
11	Photochemical Charge Separation at Particle Interfaces: The n-BiVO ₄ —p-Silicon System. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5959-5964.	8.0	43
12	Photochemical Charge Separation in Poly(3-hexylthiophene) (P3HT) Films Observed with Surface Photovoltage Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26905-26913.	3.1	41
13	Use of Surface Photovoltage Spectroscopy to Measure Built-in Voltage, Space Charge Layer Width, and Effective Band Gap in CdSe Quantum Dot Films. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3335-3340.	4.6	38
14	Synthesis, Structure, Thermoelectric Properties, and Band Gaps of Alkali Metal Containing Type I Clathrates: A ₈ Ga ₈ Si ₃₈ (A = K, Rb, Cs) and K ₈ Al ₈ Si ₃₈ . <i>Chemistry of Materials</i> , 2015, 27, 2812-2820.	6.7	37
15	Thiol-Capped Germanium Nanocrystals: Preparation and Evidence for Quantum Size Effects. <i>Chemistry of Materials</i> , 2014, 26, 2138-2146.	6.7	36
16	mP—BaP ₃ : A New Phase from an Old Binary System. <i>Chemistry - A European Journal</i> , 2014, 20, 10829-10837.	3.3	30
17	The Transformation of Inorganic and Methylmercury in the Presence of l-Cysteine Capped CdSe Nanoparticles. <i>Frontiers in Environmental Chemistry</i> , 2021, 2, .	1.6	2