

Zheyuan Chen

List of Publications by Year in descending order

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17
papers

2,399
citations

516710

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888059

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docs citations

19
times ranked

4721
citing authors

#	ARTICLE	IF	CITATIONS
1	Hole Removal Rate Limits Photodriven H ₂ Generation Efficiency in CdS-Pt and CdSe/CdS-Pt Semiconductor Nanorod-Metal Tip Heterostructures. <i>Journal of the American Chemical Society</i> , 2014, 136, 7708-7716.	13.7	354
2	Photochemical Reactivity of Graphene. <i>Journal of the American Chemical Society</i> , 2009, 131, 17099-17101.	13.7	330
3	Energy Transfer from Individual Semiconductor Nanocrystals to Graphene. <i>ACS Nano</i> , 2010, 4, 2964-2968.	14.6	329
4	Imaging Stacking Order in Few-Layer Graphene. <i>Nano Letters</i> , 2011, 11, 164-169.	9.1	321
5	A Noble-Metal-Free, Tetra-nickel Polyoxotungstate Catalyst for Efficient Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2014, 136, 14015-14018.	13.7	213
6	Efficient Extraction of Trapped Holes from Colloidal CdS Nanorods. <i>Journal of the American Chemical Society</i> , 2015, 137, 10224-10230.	13.7	177
7	Inking Elastomeric Stamps with Micro-Patterned, Single Layer Graphene to Create High-Performance OFETs. <i>Advanced Materials</i> , 2011, 23, 3531-3535.	21.0	100
8	Negligible Environmental Sensitivity of Graphene in a Hexagonal Boron Nitride/Graphene/h-BN Sandwich Structure. <i>ACS Nano</i> , 2012, 6, 9314-9319.	14.6	98
9	Self-assembly of polyoxometalates, Pt nanoparticles and metal-organic frameworks into a hybrid material for synergistic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5952-5957.	10.3	89
10	Ultrafast exciton quenching by energy and electron transfer in colloidal CdSe nanosheet-Pt heterostructures. <i>Chemical Science</i> , 2015, 6, 1049-1054.	7.4	88
11	Size-Independent Exciton Localization Efficiency in Colloidal CdSe/CdS Core/Crown Nanosheet Type-I Heterostructures. <i>ACS Nano</i> , 2016, 10, 3843-3851.	14.6	70
12	Physical Adsorption and Charge Transfer of Molecular Br ₂ on Graphene. <i>ACS Nano</i> , 2014, 8, 2943-2950.	14.6	58
13	[{Ni ₄ (OH) ₃ AsO ₄ } ₄] ₄ (B ₁₂ PW ₉ O ₃₄) ₄ : A New Polyoxometalate Structural Family with Catalytic Hydrogen Evolution Activity. <i>Chemistry - A European Journal</i> , 2015, 21, 17363-17370.	3.3	52
14	Quasi-type II CuInS ₂ /CdS core/shell quantum dots. <i>Chemical Science</i> , 2016, 7, 1238-1244.	7.4	49
15	Slow Gold Adatom Diffusion on Graphene: Effect of Silicon Dioxide and Hexagonal Boron Nitride Substrates. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4305-4312.	2.6	34
16	Wavelength dependent efficient photoreduction of redox mediators using type II ZnSe/CdS nanorod heterostructures. <i>Chemical Science</i> , 2014, 5, 3905-3914.	7.4	26
17	Competition of branch-to-core exciton localization and interfacial electron transfer in CdSe tetrapods. <i>Chemical Physics</i> , 2016, 471, 32-38.	1.9	11