

Qi Xiao

List of Publications by Year in descending order

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papers

2,240
citations

361296
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docs citations

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times ranked

2958
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Catalytic Performance of Palladium in Gold and Palladium Alloy Nanoparticles for Organic Synthesis Reactions through Visible Light Irradiation at Ambient Temperatures. <i>Journal of the American Chemical Society</i> , 2013, 135, 5793-5801.	6.6	416
2	Viable Photocatalysts under Solar Spectrum Irradiation: Nonplasmonic Metal Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2935-2940.	7.2	234
3	Efficient photocatalytic Suzuki cross-coupling reactions on Au-Pd alloy nanoparticles under visible light irradiation. <i>Green Chemistry</i> , 2014, 16, 4272.	4.6	213
4	Visible Light-Driven Cross-Coupling Reactions at Lower Temperatures Using a Photocatalyst of Palladium and Gold Alloy Nanoparticles. <i>ACS Catalysis</i> , 2014, 4, 1725-1734.	5.5	181
5	Alloying Gold with Copper Makes for a Highly Selective Visible-Light Photocatalyst for the Reduction of Nitroaromatics to Anilines. <i>ACS Catalysis</i> , 2016, 6, 1744-1753.	5.5	164
6	Catalytic Transformation of Aliphatic Alcohols to Corresponding Esters in O_2 under Neutral Conditions Using Visible-Light Irradiation. <i>Journal of the American Chemical Society</i> , 2015, 137, 1956-1966.	6.6	116
7	Direct Photocatalysis for Organic Synthesis by Using Plasmonic Metal Nanoparticles Irradiated with Visible Light. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3046-3064.	1.7	95
8	Selective reduction of nitroaromatics to azoxy compounds on supported Ag-Cu alloy nanoparticles through visible light irradiation. <i>Green Chemistry</i> , 2016, 18, 817-825.	4.6	92
9	Selective Oxidation of Aliphatic Alcohols using Molecular Oxygen at Ambient Temperature: Mixed-Valence Vanadium Oxide Photocatalysts. <i>ACS Catalysis</i> , 2016, 6, 3580-3588.	5.5	76
10	Simultaneously Tuning the Defects and Surface Properties of Ta_3N_5 Nanoparticles by Mg-Zr Codoping for Significantly Accelerated Photocatalytic H_2 Evolution. <i>Journal of the American Chemical Society</i> , 2021, 143, 10059-10064.	6.6	62
11	Direct Photocatalytic Conversion of Aldehydes to Esters Using Supported Gold Nanoparticles under Visible Light Irradiation at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19062-19069.	1.5	59
12	Hot-Carrier Organic Synthesis via the Near-Perfect Absorption of Light. <i>ACS Catalysis</i> , 2018, 8, 10331-10339.	5.5	54
13	Photon Energy Threshold in Direct Photocatalysis with Metal Nanoparticles: Key Evidence from the Action Spectrum of the Reaction. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2526-2534.	2.1	50
14	Efficient Removal of Cationic and Anionic Radioactive Pollutants from Water Using Hydrotalcite-Based Getters. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16503-16510.	4.0	40
15	Promoting Ni(II) Catalysis with Plasmonic Antennas. <i>CheM</i> , 2019, 5, 2879-2899.	5.8	39
16	Au-Pd alloy nanoparticle catalyzed selective oxidation of benzyl alcohol and tandem synthesis of imines at ambient conditions. <i>Catalysis Today</i> , 2014, 235, 152-159.	2.2	37
17	Non-plasmonic metal nanoparticles as visible light photocatalysts for the selective oxidation of aliphatic alcohols with molecular oxygen at near ambient conditions. <i>Chemical Communications</i> , 2016, 52, 11567-11570.	2.2	32
18	Tuning the reduction power of visible-light photocatalysts of gold nanoparticles for selective reduction of nitroaromatics to azoxy-compounds Tailoring the catalyst support. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 69-79.	10.8	30

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19	Visible light-driven selective hydrogenation of unsaturated aromatics in an aqueous solution by direct photocatalysis of Au nanoparticles. <i>Catalysis Science and Technology</i> , 2018, 8, 726-734.	2.1	23
20	Plasmene Metasurface Absorbers: Electromagnetic Hot Spots and Hot Carriers. <i>ACS Photonics</i> , 2019, 6, 314-321.	3.2	23
21	Synthesis of Y ₂ Ti ₂ O ₅ S ₂ by thermal sulfidation for photocatalytic water oxidation and reduction under visible light irradiation. <i>Research on Chemical Intermediates</i> , 2021, 47, 225-234.	1.3	19
22	Silver and palladium alloy nanoparticle catalysts: reductive coupling of nitrobenzene through light irradiation. <i>Dalton Transactions</i> , 2017, 46, 10665-10672.	1.6	16
23	Cocatalyst engineering of a narrow bandgap Ga-La ₅ Ti ₂ Cu _{0.9} Ag _{0.1} O ₇ S ₅ photocatalyst towards effectively enhanced water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27485-27492.	5.2	16
24	Near-field enhancement by plasmonic antennas for photocatalytic Suzuki-Miyaura cross-coupling reactions. <i>Journal of Catalysis</i> , 2021, 397, 205-211.	3.1	14
25	The synthesis, crystal structure and photophysical properties of mononuclear platinum(II) 6-phenyl-[2,2'-bipyridinyl acetylide complexes. <i>Dyes and Pigments</i> , 2011, 88, 88-94.	2.0	13
26	A Na-containing Pt cocatalyst for efficient visible-light-induced hydrogen evolution on BaTaO ₂ N. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13851-13854.	5.2	13
27	Synthesis and luminescent properties of carbazole end-capped phenylene ethynylene compounds. <i>Journal of Luminescence</i> , 2012, 132, 191-197.	1.5	11
28	Synthesis of a Ga-doped La ₅ Ti ₂ Cu _{0.9} Ag _{0.1} O ₇ S ₅ photocatalyst by thermal sulfidation for hydrogen evolution under visible light. <i>Journal of Catalysis</i> , 2021, 399, 230-236.	3.1	10
29	Phenylene ethynylene azobenzenes with symmetrical peripheral chromophores: Synthesis, optical properties and photoisomerization behaviors study. <i>Dyes and Pigments</i> , 2012, 92, 626-632.	2.0	9
30	Highly efficient self-esterification of aliphatic alcohols using supported gold nanoparticles under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 61-69.	4.8	9
31	Unconventional, Gram-Scale Synthesis of a Molecular Dimer Organic Luminogen with Aggregation-Induced Emission. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40441-40450.	4.0	9
32	A Universal Single-Atom Coating Strategy Based on Tannic Acid Chemistry for Multifunctional Heterogeneous Catalysis. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
33	Photophysics and nonlinear absorption of 4,4'-diethynylazobenzene derivatives terminally capped with substituted aromatic rings. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 239, 47-54.	2.0	5
34	Dual Photolytic Pathways in an Alloyed Plasmonic Near-Perfect Absorber: Implications for Photoelectrocatalysis. <i>ACS Applied Nano Materials</i> , 2021, 4, 2702-2712.	2.4	5
35	Synthesis, optical properties and crystal structures of carbazole end-capped phenylene ethynylene blue light-emitting materials. <i>Journal of Luminescence</i> , 2010, 130, 1183-1188.	1.5	4
36	Direct visible photoexcitation on palladium nanocatalysts by chemisorption with distinct size dependence. <i>Catalysis Science and Technology</i> , 2021, 11, 2073-2080.	2.1	4

#	ARTICLE	IF	CITATIONS
37	Physical properties and photocatalytic activity of pulverized Ga-doped La ₅ Ti ₂ Cu _{0.9} Ag _{0.1} O ₇ S ₅ powder. Materials Letters, 2022, 319, 132290.	1.3	0