Yu-Ji Gao

List of Publications by Year
in descending order

16	759	687363 13	940533 16
papers	citations	h-index	g-index

17	17	17	1200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational Design of Dotâ€onâ€Rod Nanoâ€Heterostructure for Photocatalytic CO₂ Reduction: Pivotal Role of Hole Transfer and Utilization. Advanced Materials, 2022, 34, e2106662.	21.0	42
2	Simultaneous Conduction and Valence Band Regulation of Indium-Based Quantum Dots for Efficient H2 Photogeneration. Nanomaterials, 2021, 11, 1115.	4.1	3
3	Site- and Spatial-Selective Integration of Non-noble Metal Ions into Quantum Dots for Robust Hydrogen Photogeneration. Matter, 2020, 3, 571-585.	10.0	36
4	Photocatalytic Hydrogen Evolution: Susceptible Surface Sulfide Regulates Catalytic Activity of CdSe Quantum Dots for Hydrogen Photogeneration (Adv. Mater. 7/2019). Advanced Materials, 2019, 31, 1970048.	21.0	1
5	Susceptible Surface Sulfide Regulates Catalytic Activity of CdSe Quantum Dots for Hydrogen Photogeneration. Advanced Materials, 2019, 31, e1804872.	21.0	55
6	Surface stoichiometry manipulation enhances solar hydrogen evolution of CdSe quantum dots. Journal of Materials Chemistry A, 2018, 6, 6015-6021.	10.3	57
7	Self-assembled inorganic clusters of semiconducting quantum dots for effective solar hydrogen evolution. Chemical Communications, 2018, 54, 4858-4861.	4.1	14
8	Exceptional Catalytic Nature of Quantum Dots for Photocatalytic Hydrogen Evolution without External Cocatalysts. Advanced Functional Materials, 2018, 28, 1801769.	14.9	54
9	Direct synthesis of sulfide capped CdS and CdS/ZnS colloidal nanocrystals for efficient hydrogen evolution under visible light irradiation. Journal of Materials Chemistry A, 2018, 6, 16328-16332.	10.3	29
10	Self-Assembled Framework Enhances Electronic Communication of Ultrasmall-Sized Nanoparticles for Exceptional Solar Hydrogen Evolution. Journal of the American Chemical Society, 2017, 139, 4789-4796.	13.7	146
11	Direct synthesis of all-inorganic heterostructured CdSe/CdS QDs in aqueous solution for improved photocatalytic hydrogen generation. Journal of Materials Chemistry A, 2017, 5, 10365-10373.	10.3	89
12	Nonstoichiometric Cu_xIn_yS Quantum Dots for Efficient Photocatalytic Hydrogen Evolution. ChemSusChem, 2017, 10, 4833-4838.	6.8	45
13	Tracking Co(I) Intermediate in Operando in Photocatalytic Hydrogen Evolution by X-ray Transient Absorption Spectroscopy and DFT Calculation. Journal of Physical Chemistry Letters, 2016, 7, 5253-5258.	4.6	44
14	Solar Energy Conversion: Holeâ€Acceptingâ€Ligandâ€Modified CdSe QDs for Dramatic Enhancement of Photocatalytic and Photoelectrochemical Hydrogen Evolution by Solar Energy (Adv. Sci. 4/2016). Advanced Science, 2016, 3, .	11.2	1
15	A solution-processed, mercaptoacetic acid-engineered CdSe quantum dot photocathode for efficient hydrogen production under visible light irradiation. Energy and Environmental Science, 2015, 8, 1443-1449.	30.8	90
16	Reductive Carbonâ€Carbon Coupling on Metal Sites Regulates Photocatalytic CO2 Reduction in Water Using ZnSe Quantum Dots. Angewandte Chemie, 0, , .	2.0	4