Jiao He

List of Publications by Year
in descending order

20 papers	900 citations	840585 11 h-index	752573 20 g-index
20 all docs	20 docs citations	20 times ranked	1383 citing authors

#	Article	IF	Citations
1	A dye-sensitized Pt@UiO-66(Zr) metalâ€“organic framework for visible-light photocatalytic hydrogen production. Chemical Communications, 2014, 50, 7063-7066.	2.2	363
2	Significantly enhanced photocatalytic hydrogen evolution under visible light over CdS embedded on metalâ€“organic frameworks. Chemical Communications, 2013, 49, 6761.	2.2	253
3	Hydrilla derived ZnIn2S4 photocatalyst with hexagonal-cubic phase junctions: A bio-inspired approach for H2 evolution. Catalysis Communications, 2016, 87, 1-5.	1.6	42
4	Synthesis, characterizations and photocatalytic studies of mesoporous titania prepared by using four plant skins as templates. Materials Science and Engineering C, 2010, 30, 839-846.	3.8	40
5	Carbon supported copper catalyst prepared in situ by one-pot pyrolysis of Bougainvillea glabra: An efficient and stable catalyst for selective oxidation of cyclohexane. Applied Surface Science, 2022, 576, 151833.	3.1	26
6	Diatom-templated TiO2 with enhanced photocatalytic activity: biomimetics of photonic crystals. Applied Physics A: Materials Science and Processing, 2013, 113, 327-332.	1.1	25
7	Enhancing visible-light photocatalytic activity of hard-biotemplated TiO2: From macrostructural morphology replication to microstructural building units design. Journal of Alloys and Compounds, 2022, 898, 162886.	2.8	22
8	Biotemplated Mesoporous TiO2/SiO2 Composite Derived from Aquatic Plant Leaves for Efficient Dye Degradation. Catalysts, 2017, 7, 82.	1.6	19
9	Biogenic C-doped titania templated by cyanobacteria for visible-light photocatalytic degradation of Rhodamine B. Journal of Environmental Sciences, 2014, 26, 1195-1202.	3.2	18
10	Highly Efficient Red Cabbage Anthocyanin Inserted TiO2 Aerogel Nanocomposites for Photocatalytic Reduction of Cr(VI) under Visible Light. Nanomaterials, 2018, 8, 937.	1.9	14
11	UiO-66 with confined dyes for adsorption and visible-light photocatalytic reduction of aqueous Cr(VI). Inorganic Chemistry Communication, 2022, 140, 109441.	1.8	13
12	Low-Temperature Sol-Gel Synthesis of Nitrogen-Doped Anatase/Brookite Biphasic Nanoparticles with High Surface Area and Visible-Light Performance. Catalysts, 2017, 7, 376.	1.6	12
13	Efficient Charge Carrier Separation in l-Alanine Acids Derived N-TiO2 Nanospheres: The Role of Oxygen Vacancies in Tetrahedral Ti4+ Sites. Nanomaterials, 2019, 9, 698.	1.9	11
14	Facile direct synthesis of graphene-wrapped ZnO nanospheres from cyanobacterial cells. Chemical Communications, 2019, 55, 11410-11413.	2.2	9
15	Solar Light Photocatalytic Degradation of Nitrite in Aqueous Solution Over CdS Embedded on Metalâ€“Organic Frameworks. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	8
16	Significantly Enhanced Photocatalytic Hydrogen Evolution Under Visible Light Over LaCoO3-Decorated Cubic/Hexagonal Mn0.25Cd0.75S. Catalysis Letters, 2022, 152, 659-668.	1.4	8
17	Noble Metal-Free Ceria-Zirconia Solid Solutions Templated by Tobacco Materials for Catalytic Oxidation of CO. Catalysts, 2016, 6, 135.	1.6	7
18	One-pot synthesis of Bi3O(PO4)2(OH) embedded on rod-like BiPO4 for efficient adsorption and visible-light photocatalytic reduction of aqueous Cr(VI). Journal of Alloys and Compounds, 2021, 881, 160518.	2.8	4

#	Article	IF	Citations
19	Biotemplated CdS Nano-Aggregate Networks for Highly Effective Visible-Light Photocatalytic Hydrogen Production. Nanomaterials, 2022, 12, 1268.	1.9	4
20	Photocatalytic reduction of Cr(VI) within mesoporous TiO₂ templated and confined with chlorophyll. Nano Select, 2022, 3, 140-146.	1.9	2