

Jijia Xie

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,605
citations

471509

17
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

3394
citing authors

#	ARTICLE	IF	CITATIONS
1	Mimicking Natural Photosynthesis: Solar to Renewable H ₂ Fuel Synthesis by Z-Scheme Water Splitting Systems. <i>Chemical Reviews</i> , 2018, 118, 5201-5241.	47.7	748
2	Highly selective oxidation of methane to methanol at ambient conditions by titanium dioxide-supported iron species. <i>Nature Catalysis</i> , 2018, 1, 889-896.	34.4	391
3	Efficient visible light-driven water oxidation and proton reduction by an ordered covalent triazine-based framework. <i>Energy and Environmental Science</i> , 2018, 11, 1617-1624.	30.8	212
4	Dimension-Matched Zinc Phthalocyanine/BiVO ₄ Ultrathin Nanocomposites for CO ₂ Reduction as Efficient Wide-Visible-Light-Driven Photocatalysts via a Cascade Charge Transfer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10873-10878.	13.8	168
5	Rational Design of High-Concentration Ti ³⁺ in Porous Carbon-Doped TiO ₂ Nanosheets for Efficient Photocatalytic Ammonia Synthesis. <i>Advanced Materials</i> , 2021, 33, e2008180.	21.0	155
6	Tunable Covalent Triazine-Based Frameworks (CTF-0) for Visible-Light-Driven Hydrogen and Oxygen Generation from Water Splitting. <i>ACS Catalysis</i> , 2019, 9, 7697-7707.	11.2	131
7	A Nanojunction Polymer Photoelectrode for Efficient Charge Transport and Separation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8221-8225.	13.8	130
8	Bandgap Engineering of Organic Semiconductors for Highly Efficient Photocatalytic Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1801084.	19.5	127
9	Oxygen-doped carbon nitride aerogel: A self-supported photocatalyst for solar-to-chemical energy conversion. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 428-435.	20.2	108
10	Platinum- and CuO-Decorated TiO ₂ Photocatalyst for Oxidative Coupling of Methane to C ₂ Hydrocarbons in a Flow Reactor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19702-19707.	13.8	106
11	From UV to NIR: A Full-Spectrum Metal-Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21392-21396.	13.8	78
12	Dimension-Matched Zinc Phthalocyanine/BiVO ₄ Ultrathin Nanocomposites for CO ₂ Reduction as Efficient Wide-Visible-Light-Driven Photocatalysts via a Cascade Charge Transfer. <i>Angewandte Chemie</i> , 2019, 131, 10989-10994.	2.0	44
13	Key factors affecting photoelectrochemical performance of g-C ₃ N ₄ polymer films. <i>Chemical Communications</i> , 2019, 55, 7191-7194.	4.1	44
14	A Nanojunction Polymer Photoelectrode for Efficient Charge Transport and Separation. <i>Angewandte Chemie</i> , 2017, 129, 8333-8337.	2.0	29
15	Synergistic oxygen substitution and heterostructure construction in polymeric semiconductors for efficient water splitting. <i>Nanoscale</i> , 2020, 12, 13484-13490.	5.6	28
16	Ultrasensitive On-Site Detection of Biological Active Ricin in Complex Food Matrices Based on Immunomagnetic Enrichment and Fluorescence Switch-On Nanoprobe. <i>Analytical Chemistry</i> , 2019, 91, 6454-6461.	6.5	19
17	Platinum- and CuO-Decorated TiO ₂ Photocatalyst for Oxidative Coupling of Methane to C ₂ Hydrocarbons in a Flow Reactor. <i>Angewandte Chemie</i> , 2020, 132, 19870-19875.	2.0	19
18	Spontaneous Bulk-Surface Charge Separation of TiO ₂ -{001} Nanocrystals Leads to High Activity in Photocatalytic Methane Combustion. <i>ACS Catalysis</i> , 2022, 12, 6457-6463.	11.2	16

#	ARTICLE	IF	CITATIONS
19	Nanoporous Carbon: Liquid-Free Synthesis and Geometry-Dependent Catalytic Performance. ACS Nano, 2019, 13, 2463-2472.	14.6	15
20	Stable Complete Water Splitting by Covalent Triazine-Based Framework CTF-0. ChemCatChem, 2020, 12, 2708-2712.	3.7	13
21	From UV to NIR: A Full-Spectrum Metal-Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. Angewandte Chemie, 2020, 132, 21576-21580.	2.0	10
22	<i>In Situ</i> Investigation of Charge Performance in Anatase TiO ₂ Powder for Methane Conversion by Vis-NIR Spectroscopy. ACS Catalysis, 2021, 11, 8226-8238.	11.2	7
23	Modification of Covalent Triazine-Based Frameworks for Photocatalytic Hydrogen Generation. Polymers, 2022, 14, 1363.	4.5	6
24	Innentitelbild: Dimension-Matched Zinc Phthalocyanine/BiVO ₄ Ultrathin Nanocomposites for CO ₂ Reduction as Efficient Wide-Visible-Light-Driven Photocatalysts via a Cascade Charge Transfer (Angew. Chem. 32/2019). Angewandte Chemie, 2019, 131, 10878-10878.	2.0	0