

# Jun-Kang Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,119  
citations

394421

19  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

958  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient photocatalytic toluene selective oxidation over Cs <sub>3</sub> Bi <sub>1.8</sub> Sb <sub>0.2</sub> Br <sub>9</sub> Nanosheets: Enhanced charge carriers generation and C-H bond dissociation. <i>Chemical Engineering Science</i> , 2022, 247, 116983.	3.8	32
2	Regulating MoS <sub>2</sub> edge site for photocatalytic nitrogen fixation: A theoretical and experimental study. <i>Chemical Engineering Journal</i> , 2022, 442, 136211.	12.7	27
3	Efficient and versatile synthesis of imines from alcohols and amines over CdS-SnS <sub>2</sub> of heterostructure under visible-light irradiation. <i>Applied Catalysis A: General</i> , 2022, 640, 118660.	4.3	4
4	Kinetic features of iron-based electrochemically mediated ATRP revealed by Monte Carlo simulation. <i>AIChE Journal</i> , 2021, 67, e17098.	3.6	11
5	Activity and Stability Boosting of an Oxygen-Vacancy-Rich BiVO <sub>4</sub> Photoanode by NiFe-MOFs Thin Layer for Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1433-1440.	13.8	205
6	Activity and Stability Boosting of an Oxygen-Vacancy-Rich BiVO <sub>4</sub> Photoanode by NiFe-MOFs Thin Layer for Water Oxidation. <i>Angewandte Chemie</i> , 2021, 133, 1453-1460.	2.0	33
7	Fabrication of Mo <sub>2</sub> C-QDs/C/Bi <sub>2</sub> MoO <sub>6</sub> composite as efficient photocatalyst for aerobic oxidation of amines to imines. <i>Applied Surface Science</i> , 2021, 541, 148476.	6.1	14
8	Boosted Photocatalytic Oxidation of Toluene into Benzaldehyde on CdIn <sub>2</sub> S <sub>4</sub> -CdS: Synergetic Effect of Compact Heterojunction and S-Vacancy. <i>ACS Catalysis</i> , 2021, 11, 2492-2503.	11.2	136
9	Enhanced Photocatalytic Activity for Selective Oxidation of Toluene over Cubic-Hexagonal CdS Phase Junctions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 11106-11116.	3.7	7
10	Facile Fabrication of Octahedral CdZnS by Cation Exchange for Photocatalytic Toluene Selective Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1302-1310.	6.7	59
11	Fabrication of Ag <sub>3</sub> PO <sub>4</sub> /Ag/MoO <sub>3-x</sub> Z-scheme system with excellent photocatalytic degradation performance under visible light irradiation. <i>Materials Chemistry and Physics</i> , 2020, 253, 123325.	4.0	16
12	Boosted Activity for Toluene Selective Photooxidation over Fe-Doped Bi <sub>2</sub> WO <sub>6</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 13528-13538.	3.7	37
13	Double-Shell and Flower-Like Zn <sub>3</sub> N <sub>4</sub> Derived from in Situ Supramolecular Self-Assembly for Selective Aerobic Oxidation of Amines to Imines. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14203-14209.	6.7	50
14	CdS nanorods anchored with CoS <sub>2</sub> nanoparticles for enhanced photocatalytic hydrogen production. <i>Applied Catalysis A: General</i> , 2019, 588, 117281.	4.3	72
15	Synthesis of Submicron-Sized SAPO-34 as Efficient Catalyst for Olefin Generation from CH <sub>3</sub> Br. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 18582-18589.	3.7	11
16	Preparation of Helical BiVO <sub>4</sub> /Ag/C <sub>3</sub> N <sub>4</sub> for Selective Oxidation of C-H Bond under Visible Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17500-17506.	6.7	36
17	A novel and efficient route for aryl ketones generation over Co <sub>3</sub> O <sub>4</sub> /Ag@C <sub>3</sub> N <sub>4</sub> photocatalyst. <i>Chemical Engineering Science</i> , 2019, 207, 271-279.	3.8	28
18	Bi <sub>2</sub> MoO <sub>6</sub> /g-C <sub>3</sub> N <sub>4</sub> of 0D/2D heterostructure as efficient photocatalyst for selective oxidation of aromatic alkanes. <i>Applied Surface Science</i> , 2019, 490, 102-108.	6.1	69

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19	Electrochemically mediated ATRP process intensified by ionic liquid: A $\alpha$ -flash polymerization of methyl acrylate. <i>Chemical Engineering Journal</i> , 2019, 372, 163-170.	12.7	20
20	How the catalyst circulates and works in organocatalyzed atom transfer radical polymerization. <i>AIChE Journal</i> , 2018, 64, 2581-2591.	3.6	12
21	Aqueous Metal-Free Atom Transfer Radical Polymerization: Experiments and Model-Based Approach for Mechanistic Understanding. <i>Macromolecules</i> , 2018, 51, 2367-2376.	4.8	61
22	Assessment of Microwave Effect on Polymerization Conducted under ARGET ATRP Conditions. <i>Macromolecular Reaction Engineering</i> , 2018, 12, 1700032.	1.5	9
23	Iron-based electrochemically mediated atom transfer radical polymerization with tunable catalytic activity. <i>AIChE Journal</i> , 2018, 64, 961-969.	3.6	22
24	Visible-Light-Induced Atom-Transfer-Radical Polymerization with a ppm-Level Iron Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 4949-4956.	3.7	19
25	Photoinduced Fe-mediated atom transfer radical polymerization in aqueous media. <i>Polymer Chemistry</i> , 2017, 8, 7360-7368.	3.9	19
26	Photoinduced Iron(III)-Mediated Atom Transfer Radical Polymerization with In Situ Generated Initiator: Mechanism and Kinetics Studies. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 10235-10242.	3.7	26
27	Kinetic Insights into the Iron-Based Electrochemically Mediated Atom Transfer Radical Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2016, 49, 4038-4046.	4.8	43
28	Kinetic insight into electrochemically mediated ATRP gained through modeling. <i>AIChE Journal</i> , 2015, 61, 4347-4357.	3.6	41