

# Wen-jun Jiang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44  
papers

2,206  
citations

19  
h-index

46  
g-index

48  
ext. papers

2,804  
ext. citations

11.6  
avg, IF

5.35  
L-index

#	Paper	IF	Citations
44	Recent advances in photocatalytic nitrogen fixation and beyond.. <i>Nanoscale</i> , <b>2022</b> ,	7.7	4
43	A Membrane Reactor with Microchannels for Carbon Dioxide Reduction in Extraterrestrial Space. <i>Catalysts</i> , <b>2022</b> , 12, 3	4	1
42	MOF Encapsulating N-Heterocyclic Carbene-Ligated Copper Single-Atom Site Catalyst towards Efficient Methane Electrosynthesis. <i>Angewandte Chemie</i> , <b>2022</b> , 134, e202114450	3.6	
41	Enhanced Electrocatalytic CO <sub>2</sub> Reduction of Bismuth Nanosheets with Introducing Surface Bismuth Subcarbonate. <i>Coatings</i> , <b>2022</b> , 12, 233	2.9	1
40	MOF Encapsulating N-Heterocyclic Carbene-Ligated Copper Single-Atom Site Catalyst towards Efficient Methane Electrosynthesis. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	18
39	In-situ conversion of Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> to Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /Fe <sub>2</sub> O <sub>3</sub> /BiOCl, Fe <sub>2</sub> O <sub>3</sub> /BiOCl heterojunctions and boosted photodegradation activity. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 134, 109066	3.1	
38	Boosted Electrocatalytic Hydrogen Production by Methylene Blue and Urea and Synergistic Electrooxidation Degradation. <i>Materials Today Energy</i> , <b>2021</b> , 22, 100880	7	1
37	Advances in electrochemical reduction of carbon dioxide to formate over bismuth-based catalysts. <i>Rare Metals</i> , <b>2021</b> , 40, 2327-2353	5.5	8
36	BiNV bond: A hole-transfer bridge for high-efficient separation and transfer of carriers. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 590, 144-153	9.3	1
35	In-situ intramolecular synthesis of tubular carbon nitride S-scheme homojunctions with exceptional in-plane exciton splitting and mechanism insight. <i>Chemical Engineering Journal</i> , <b>2021</b> , 414, 128802	14.7	18
34	Hydrogen production performance of novel glycerin-based electrolytic cell. <i>Renewable Energy</i> , <b>2021</b> , 167, 862-868	8.1	4
33	Enhanced catalytic performance with Fe@Fe <sub>2</sub> O <sub>3</sub> thin nanosheets by synergistic effect of photocatalysis and Fenton-like process. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 150, 109886	3.9	12
32	Ultrathin zinc selenide nanosheet-based intercalation hybrid coupled with CdSe quantum dots showing enhanced photocatalytic CO <sub>2</sub> reduction. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 2474-2478	8.1	5
31	Efficient Mesh Interface Engineering: Insights from Bubble Dynamics in Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 45346-45354	9.5	0
30	Promoted NN activation by oxygen and boosted ammonia production over Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> . <i>Molecular Catalysis</i> , <b>2021</b> , 515, 111913	3.3	1
29	Structural reconstruction of carbon nitride with tailored electronic structure: A bifunctional photocatalyst for cooperative artificial photosynthesis and selective phenylcarbinol oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 298, 120517	21.8	4
28	Defect-engineered CoMoO <sub>4</sub> ultrathin nanosheet array and promoted urea oxidation reaction. <i>Applied Catalysis A: General</i> , <b>2020</b> , 602, 117670	5.1	13

27	Facile synthesis and greatly improved photocatalytic activity of F-Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> nanotubes with novel hierarchical wall. <i>Journal of Fluorine Chemistry</i> , <b>2020</b> , 236, 109557	2.1	4
26	Enhanced photo activity by hole concentration on CdS surface. <i>Chemical Physics Letters</i> , <b>2020</b> , 759, 137945		2
25	Polyurethane sponge-derived nitrogen-doped carbon-encapsulation composite for enhanced lithium-ion battery performances. <i>Applied Surface Science</i> , <b>2020</b> , 534, 147631	6.7	11
24	Optimizing the Carbon Dioxide Reduction Pathway through Surface Modification by Halogenation. <i>ChemSusChem</i> , <b>2020</b> , 13, 5638-5646	8.3	5
23	Controlled synthesis of g-C <sub>3</sub> N <sub>4</sub> @BiPO <sub>4</sub> core-shell nanorods via low temperature reassembled strategy. <i>Materials Today Advances</i> , <b>2019</b> , 1, 100006	7.4	4
22	Three-dimensional porous g-C <sub>3</sub> N <sub>4</sub> for highly efficient photocatalytic overall water splitting. <i>Nano Energy</i> , <b>2019</b> , 59, 644-650	17.1	347
21	Self-assembled perylene diimide based supramolecular heterojunction with Bi <sub>2</sub> WO <sub>6</sub> for efficient visible-light-driven photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 232, 175-181	21.8	118
20	Two-dimensional polymeric carbon nitride: structural engineering for optimizing photocatalysis. <i>Science China Chemistry</i> , <b>2018</b> , 61, 1205-1213	7.9	36
19	Ultrathin nanosheets g-C <sub>3</sub> N <sub>4</sub> @Bi <sub>2</sub> WO <sub>6</sub> core-shell structure via low temperature reassembled strategy to promote photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 237, 633-640	21.8	104
18	Oxygen-doped carbon nitride aerogel: A self-supported photocatalyst for solar-to-chemical energy conversion. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 236, 428-435	21.8	73
17	Three-dimensional photocatalysts with a network structure. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5661-5679	13	70
16	Separation-free TiO <sub>2</sub> -graphene hydrogel with 3D network structure for efficient photoelectrocatalytic mineralization. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 211, 106-113	21.8	41
15	Surface oxygen vacancy induced MnO <sub>2</sub> nanofiber for highly efficient ozone elimination. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 729-737	21.8	248
14	TiO <sub>2</sub> /Al(H <sub>2</sub> PO <sub>4</sub> ) <sub>3</sub> composite film as separation-free and washing-resistance photocatalyst. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 204, 43-48	21.8	18
13	Highly Efficient Organic Photocatalyst with Full Visible Light Spectrum through Stacking of TCNQ-PTCDI. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30225-30231	9.5	46
12	Enhancement of catalytic activity and oxidative ability for graphitic carbon nitride. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2016</b> , 28, 87-115	16.4	155
11	Photodegradation of phenol via C <sub>3</sub> N <sub>4</sub> -agar hybrid hydrogel 3D photocatalysts with free separation. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 183, 263-268	21.8	149
10	Separation-Free Polyaniline/TiO <sub>2</sub> 3D Hydrogel with High Photocatalytic Activity. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500502	4.6	55

9	Separation free C <sub>3</sub> N <sub>4</sub> /SiO <sub>2</sub> hybrid hydrogels as high active photocatalysts for TOC removal. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 194, 105-110	21.8	68
8	Polyaniline/Carbon Nitride Nanosheets Composite Hydrogel: A Separation-Free and High-Efficient Photocatalyst with 3D Hierarchical Structure. <i>Small</i> , <b>2016</b> , 12, 4370-8	11	170
7	Photocatalytic hydrogen generation on bifunctional ternary heterostructured In <sub>2</sub> S <sub>3</sub> /MoS <sub>2</sub> /CdS composites with high activity and stability under visible light irradiation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18406-18412	13	118
6	Photocatalytic performance enhanced via surface bismuth vacancy of Bi <sub>6</sub> S <sub>2</sub> O <sub>15</sub> core/shell nanowires. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 176-177, 306-314	21.8	67
5	Enhancement of mineralization ability of C <sub>3</sub> N <sub>4</sub> via a lower valence position by a tetracyanoquinodimethane organic semiconductor. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11432-11438	13	56
4	A simple and efficient strategy for the synthesis of a chemically tailored g-C <sub>3</sub> N <sub>4</sub> material. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17521-17529	13	96
3	Dramatic visible activity in phenol degradation of TCNQ@TiO <sub>2</sub> photocatalyst with core-shell structure. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 160-161, 44-50	21.8	46
2	Synergistic Effects in Ultrafine Amorphous InS <sub>x</sub> O <sub>y</sub> Nanowires Boost Photocatalytic Syngas Production from CO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> ,	13	2
1	Sub-2 nm ultra-thin Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> nanosheets with abundant Bi-O structures toward formic acid electrosynthesis over a wide potential window. <i>Nano Research</i> , 1	10	2