

Weinan Xing

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.

43
papers

1,531
citations

17
h-index

39
g-index

44
ext. papers

1,970
ext. citations

7.7
avg, IF

4.96
L-index

#	Paper	IF	Citations
43	Phosphate group-mediated carriers transfer and energy band over carbon nitride for efficient photocatalytic H ₂ production and removal of rhodamine B. <i>Journal of Alloys and Compounds</i> , 2022 , 895, 162772	5.7	4
42	Sulfur-doped 2D/3D carbon nitride-based van der Waals homojunction with superior photocatalytic hydrogen evolution and wastewater purification. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 12559-12568	6.7	4
41	High Selectivity and Reusability of Biomass-Based Adsorbent for Chloramphenicol Removal. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
40	Facile fabrication of Bi ₂ WO ₆ /biochar composites with enhanced charge carrier separation for photodecomposition of dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 127945	5.1	6
39	Facile fabrication of rape straw biomass fiber/ECD/Fe ₃ O ₄ as adsorbent for effective removal of ibuprofen. <i>Industrial Crops and Products</i> , 2021 , 173, 114150	5.9	8
38	High-valence-state nickel-iron phosphonates with urchin-like hierarchical architecture for highly efficient oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 861, 158614	5.7	9
37	Incorporation of Nonmetal Group Dopants into g-CN Framework for Highly Improved Photocatalytic H Production. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
36	High-valence-state NiBe bimetallic phosphonate nanoribbons catalyst for enhanced photocatalytic and electrocatalytic oxygen production. <i>Journal of Materials Science</i> , 2021 , 56, 8091-8101	4.3	1
35	Surface Permeability of Membrane and Catalytic Performance Based on Redox-Responsive of Hybrid Hollow Polymeric Microcapsules. <i>Molecules</i> , 2021 , 26,	4.8	4
34	Surface defect engineering and morphology control of graphitic carbon nitride with synergistically improved photocatalytic performance. <i>New Journal of Chemistry</i> , 2021 , 45, 13949-13955	3.6	4
33	Fabrication of novel carbon species into porous g-C ₃ N ₄ nanosheet frameworks with enhanced photocatalytic performance. <i>New Journal of Chemistry</i> , 2021 , 45, 10589-10593	3.6	7
32	Rational Synthesis of Amorphous Iron-Nickel Phosphonates for Highly Efficient Photocatalytic Water Oxidation with Almost 100 % Yield. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1171-1175	16.4	20
31	Rational Synthesis of Amorphous Iron-Nickel Phosphonates for Highly Efficient Photocatalytic Water Oxidation with Almost 100 % Yield. <i>Angewandte Chemie</i> , 2020 , 132, 1187-1191	3.6	4
30	Enhanced carriers separation efficiency in g-C ₃ N ₄ modified with sulfonic groups for efficient photocatalytic Cr(VI) reduction. <i>Materials Research Bulletin</i> , 2020 , 122, 110681	5.1	13
29	High-efficiency Fe-Mediated Bi ₂ MoO ₆ nitrogen-fixing photocatalyst: Reduced surface work function and ameliorated surface reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117781	21.8	73
28	Shockley Partial Dislocation-Induced Self-Rectified 1D Hydrogen Evolution Photocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20521-20527	9.5	9
27	Anchoring Active Pt /Pt Hybrid Nanodots on g-C N Nitrogen Vacancies for Photocatalytic H Evolution. <i>ChemSusChem</i> , 2019 , 12, 2029-2034	8.3	35

26	Highly Ordered Mesoporous NiCoO as a High Performance Anode Material for Li-Ion Batteries. <i>Frontiers in Chemistry</i> , 2019 , 7, 521	5	7
25	Mimicking Backdonation in Ce-MOFs for Solar-Driven Ammonia Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29917-29923	9.5	41
24	Template-free synthesis of Na _{0.5} Bi _{2.5} Ta ₂ O ₉ /Bi ₄ Ta _{0.8} Cl nano-heterostructures via a one-pot molten salt reaction for efficient photocatalysis. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2936-2942	7.1	2
23	Fabrication of ternary visible-light-driven semiconductor photocatalyst and its effective photocatalytic performance. <i>Materials Technology</i> , 2019 , 34, 292-300	2.1	17
22	Facile Preparation of Semiconductor Silver Phosphate Loaded on Multi-walled Carbon Nanotube Surface and Its Enhanced Catalytic Performance. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 617-627	3.2	3
21	Doping effect of non-metal group in porous ultrathin g-CN nanosheets towards synergistically improved photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2018 , 10, 5239-5245	7.7	64
20	Template-Induced High-Crystalline g-C ₃ N ₄ Nanosheets for Enhanced Photocatalytic H ₂ Evolution. <i>ACS Energy Letters</i> , 2018 , 3, 514-519	20.1	169
19	Integrating both homojunction and heterojunction in QDs self-decorated Bi ₂ MoO ₆ /BCN composites to achieve an efficient photocatalyst for Cr(VI) reduction. <i>Chemical Engineering Journal</i> , 2018 , 334, 334-343	14.7	57
18	Biocoordination Polymer Cross-Linking Structure to a 3D Star Topology Inorganic Photocatalyst Nanocrystal with Improved Hydrogen Evolution Performance. <i>Inorganic Chemistry</i> , 2018 , 57, 13067-13070	5.1	2
17	Amino-Assisted Anchoring of CsPbBr ₃ Perovskite Quantum Dots on Porous g-C ₃ N ₄ for Enhanced Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2018 , 130, 13758-13762	3.6	116
16	Amino-Assisted Anchoring of CsPbBr Perovskite Quantum Dots on Porous g-C N for Enhanced Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13570-13574	16.4	265
15	A novel 2D/2D carbonized poly-(furfural alcohol)/g-C ₃ N ₄ nanocomposites with enhanced charge carrier separation for photocatalytic H ₂ evolution. <i>Carbon</i> , 2017 , 115, 486-492	10.4	41
14	Non-integer induced spontaneous polarization of highly efficient perovskite-based NBTO SCN photocatalysts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22984-22987	13	12
13	Incorporating a novel metal-free interlayer into g-C ₃ N ₄ framework for efficiency enhanced photocatalytic H ₂ evolution activity. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 65-71	21.8	111
12	Doping effect of phosphate in Bi ₂ WO ₆ and universal improved photocatalytic activity for removing various pollutants in water. <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 39-47	21.8	195
11	In Situ Fabrication of Bi ₂ WO ₆ /MoS ₂ /RGO Heterojunction with Nanosized Interfacial Contact via Confined Space Effect toward Enhanced Photocatalytic Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5936-5942	8.3	46
10	Construction of Large-Scale Ultrathin Graphitic Carbon Nitride Nanosheets by a Hydrogen-Bond-Assisted Strategy for Improved Photocatalytic Hydrogen Production and Ciprofloxacin Degradation Activity. <i>ChemCatChem</i> , 2016 , 8, 2838-2845	5.2	41
9	Effect of metal ion (Zn ²⁺ , Bi ³⁺ , Cr ³⁺ , and Ni ²⁺)-doped CdS/halloysite nanotubes (HNTs) photocatalyst for the degradation of tetracycline under visible light. <i>Desalination and Water Treatment</i> , 2015 , 53, 794-805		17

8	Photocatalytic degradation of antibiotics in water using metal ion@TiO ₂ /HNTs under visible light. <i>Desalination and Water Treatment</i> , 2014 , 52, 6985-6995		14
7	Preparation of C@CdS/Halloysite Nanotube Composite Photocatalyst Using One-Step Pyrolytic Method and Its Photodegradation Properties. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2014 , 30, 141-149	3.8	6
6	Influence of Inorganic Ions and pH on the Photodegradation of 1-Methylimidazole-2-thiol with TiO ₂ Photocatalyst Based on Magnetic Multi-walled Carbon Nanotubes. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 76-82	1.2	8
5	Synthesis of thermal-responsive photocatalysts by surface molecular imprinting for selective degradation of tetracycline. <i>RSC Advances</i> , 2013 , 3, 26334	3.7	27
4	Preparation high photocatalytic activity of CdS/halloysite nanotubes (HNTs) nanocomposites with hydrothermal method. <i>Applied Surface Science</i> , 2012 , 259, 698-704	6.7	49
3	Design and Construction of Bioreactor Based on Hybrid Microcapsules and its Bio-catalytic Performance. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 1	3.2	1
2	Strengthening reactive metal support interaction to stabilize Ni species on the nitrogen vacancies of g-C ₃ N ₄ for boosting photocatalytic H ₂ production. <i>Catalysis Science and Technology</i> ,	5.5	5
1	Cuprum/Carbon Co-doped Carbon Nitride with Adjustable Light Absorption and Carrier Separation for Synergistically Enhanced Photocatalytic Wastewater Purification. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 1	3.2	2