

Huidong Shen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,675
citations

331538

21
h-index

552653

26
g-index

27
all docs

27
docs citations

27
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic nitrogen reduction to ammonia: Insights into the role of defect engineering in photocatalysts. <i>Nano Research</i> , 2022, 15, 2773-2809.	5.8	69
2	Electrochemical ammonia synthesis: Mechanistic understanding and catalyst design. <i>CheM</i> , 2021, 7, 1708-1754.	5.8	253
3	In situ fabrication of Bi ₂ MoO ₆ /Bi ₂ MoO _{6-x} homojunction photocatalyst for simultaneous photocatalytic phenol degradation and Cr(VI) reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 741-751.	5.0	80
4	Photocatalytic performance and mechanism insights of a S-scheme g-C ₃ N ₄ /Bi ₂ MoO ₆ heterostructure in phenol degradation and hydrogen evolution reactions under visible light. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 26278-26288.	1.3	55
5	Surface-engineered oxidized two-dimensional Sb for efficient visible light-driven N ₂ fixation. <i>Nano Energy</i> , 2020, 78, 105368.	8.2	37
6	Single yttrium sites on carbon-coated TiO ₂ for efficient electrocatalytic N ₂ reduction. <i>Chemical Communications</i> , 2020, 56, 10910-10913.	2.2	31
7	A Miracle Metal@Zeolite for Selective Conversion of Syngas to Ethanol. <i>CheM</i> , 2020, 6, 546-548.	5.8	2
8	Achieving Highly Selective Electrocatalytic CO ₂ Reduction by Tuning CuO-Sb ₂ O ₃ Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4948-4954.	3.2	33
9	Photocatalytic Reduction of CO ₂ by Metal-Free Based Materials: Recent Advances and Future Perspective. <i>Solar Rrl</i> , 2020, 4, 1900546.	3.1	177
10	Metal-Tuned W ₁₈ O ₄₉ for Efficient Electrocatalytic N ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2957-2963.	3.2	39
11	Alkali-assisted synthesis of direct Z-scheme based Bi ₂ O ₃ /Bi ₂ MoO ₆ photocatalyst for highly efficient photocatalytic degradation of phenol and hydrogen evolution reaction. <i>Journal of Catalysis</i> , 2019, 375, 399-409.	3.1	108
12	Synergistic effect of surface oxygen vacancies and interfacial charge transfer on Fe(III)/Bi ₂ MoO ₆ for efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 150-162.	10.8	185
13	Magnetically recyclable Fe ₃ O ₄ @SiO ₂ /Bi ₂ WO ₆ /Bi ₂ S ₃ with visible-light-driven photocatalytic oxidative desulfurization. <i>Materials Research Bulletin</i> , 2019, 118, 110520.	2.7	50
14	Ultrafine Au nanoparticles anchored on Bi ₂ MoO ₆ with abundant surface oxygen vacancies for efficient oxygen molecule activation. <i>Catalysis Science and Technology</i> , 2019, 9, 3193-3202.	2.1	46
15	Magnetically recyclable Fe ₃ O ₄ @SiO ₂ /Bi ₂ WO ₆ photocatalyst with well-designed core-shell nanostructure for the reduction of Cr(VI). <i>Chemical Engineering Journal</i> , 2019, 370, 1522-1533.	6.6	45
16	Ag/Bi ₂ MoO _{6-x} with enhanced visible-light-responsive photocatalytic activities via the synergistic effect of surface oxygen vacancies and surface plasmon. <i>Applied Surface Science</i> , 2018, 436, 536-547.	3.1	84
17	Frontispiece: Efficient Degradation of Phenol and 4-Nitrophenol by Surface Oxygen Vacancies and Plasmonic Silver Co-Modified Bi ₂ MoO ₆ Photocatalysts. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
18	Efficient Degradation of Phenol and 4-Nitrophenol by Surface Oxygen Vacancies and Plasmonic Silver Co-Modified Bi ₂ MoO ₆ Photocatalysts. <i>Chemistry - A European Journal</i> , 2018, 24, 18463-18478.	1.7	40

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19	Photocatalytic activity of Bi ₂ WO ₆ /Bi ₂ S ₃ heterojunctions: the facilitation of exposed facets of Bi ₂ WO ₆ substrate. <i>Applied Surface Science</i> , 2017, 393, 496-503.	3.1	53
20	A facile approach for the synthesis of sea urchin-like Fe ₃ O ₄ @TiO ₂ @Ag nanocomposites as highly efficient and recyclable photocatalysts. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 10616-10621.	1.1	4
21	Design and construction of the sandwich-like Z-scheme multicomponent CdS/Ag/Bi ₂ MoO ₆ heterostructure with enhanced photocatalytic performance in RhB photodegradation. <i>New Journal of Chemistry</i> , 2016, 40, 8614-8624.	1.4	100
22	La and F co-doped Bi ₂ MoO ₆ architectures with enhanced photocatalytic performance via synergistic effect. <i>RSC Advances</i> , 2016, 6, 71052-71060.	1.7	51
23	Porous BiOBr/Bi ₂ MoO ₆ Heterostructures for Highly Selective Adsorption of Methylene Blue. <i>ACS Omega</i> , 2016, 1, 566-577.	1.6	59
24	Synthesis of nano-porous Bi ₂ WO ₆ hierarchical microcrystal with selective adsorption for cationic dyes. <i>Materials Research Bulletin</i> , 2016, 83, 387-395.	2.7	35
25	Preparation of polymeric aluminum ferric chloride (PAFC) coagulant from fly ash for the treatment of coal-washing wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 18260-18274.	1.0	14
26	Synthesis of Diatomite/g-C ₃ N ₄ Composite with Enhanced Visible-light-responsive Photocatalytic Activity. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2016, 31, 881.	0.6	4
27	AgBr nanoparticles decorated BiPO ₄ microrod: a novel heterojunction with enhanced photocatalytic activities. <i>RSC Advances</i> , 2015, 5, 72830-72840.	1.7	21