Huinan Che

List of Publications by Year
in descending order

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Version: 2024-02-01

78 papers	5,933 citations	57719 44 h-index	71651 76 g-index
78 all docs	78 docs citations	78 times ranked	4140 citing authors

#	Article	IF	Citations
1	Recent research progress of bimetallic phosphides-based nanomaterials as cocatalyst for photocatalytic hydrogen evolution. Chinese Chemical Letters, 2022, 33, 1141-1153.	4.8	149
2	Nickel supported on Nitrogen-doped biomass carbon fiber fabricated via in-situ template technology for pH-universal electrocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2022, 608, 1441-1448.	5.0	17
3	Nitrogen-doped biomass carbon fibers with surface encapsulated Co nanoparticles for electrocatalytic overall water-splitting. Chemical Communications, 2022, 58, 1772-1775.	2.2	8
4	Synergistic effect triggered by skeleton delocalization and edge induction of carbon nitride expedites photocatalytic hydrogen evolution. Chemical Engineering Journal, 2022, 442, 136190.	6.6	65
5	Revealing the mechanism of formation and transformation of chlorinated byâ€products during electrolyzing synthetic urine using Ti/RuO_xâ€IrO_x and BDD electrodes. Fuel Cells, 2022, 22, 102-114.	1.5	1
6	Confinement of ultrasmall CoFe2O4 nanoparticles in hierarchical ZnIn2S4 microspheres with enhanced interfacial charge separation for photocatalytic H2 evolution. Journal of Colloid and Interface Science, 2021, 581, 764-773.	5.0	95
7	Fabrication of Co(Ni)-P surface bonding states on coreâ€“shell Co(OH)2@P-NiCo-LDH towards electrocatalytic hydrogen evolution reaction. Journal of Colloid and Interface Science, 2021, 582, 535-542.	5.0	53
8	Ni2P QDs decorated in the multi-shelled CaTiO3 cube for creating inter-shelled channel active sites to boost photocatalytic performance. Journal of Colloid and Interface Science, 2021, 584, 332-343.	5.0	14
9	Fabrication of HRP/Bi2WO6 photoenzyme-coupled artificial catalytic system for efficiently degrading bisphenol A. Chinese Chemical Letters, 2021, 32, 2047-2051.	4.8	31
10	Ultrasmall Ag species decorated on <scp>Î±â€Fe₂O₃</scp> nanorods toward highâ€efficient photocatalytic degrading tetracycline hydrochloride in water. Journal of the Chinese Chemical Society, 2021, 68, 1013-1019.	0.8	4
11	Bimetallic synergetic regulating effect on electronic structure in cobalt/vanadium co-doped carbon nitride for boosting photocatalytic performance. Applied Catalysis B: Environmental, 2021, 287, 119954.	10.8	218
12	High-efficient charge separation driven directionally by pyridine rings grafted on carbon nitride edge for boosting photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2021, 297, 120433.	10.8	201
13	Intramolecular Ï€-conjugated channel expansion achieved by doping cross-linked dopants into carbon nitride frameworks for propelling photocatalytic hydrogen evolution and mechanism insight. Inorganic Chemistry Frontiers, 2021, 9, 60-69.	3.0	15
14	Limbic Inducted and Delocalized Effects of Diazole in Carbon Nitride Skeleton for Propelling Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2021, 13, 56273-56284.	4.0	29
15	Nitrogen doped carbon ribbons modified g-C3N4 for markedly enhanced photocatalytic H2-production in visible to near-infrared region. Chemical Engineering Journal, 2020, 382, 122870.	6.6	169
16	Construction of morphology-controlled nonmetal 2D/3D homojunction towards enhancing photocatalytic activity and mechanism insight. Applied Catalysis B: Environmental, 2020, 263, 118270.	10.8	182
17	In-situ fabrication of Z-scheme Bi3O4Cl/Bi12O17Cl2 heterostructure by facile pH control strategy to boost removal of various pollutants in water. Chemical Engineering Journal, 2020, 388, 123483.	6.6	56
18	Insight into the Activity and Stability of Rh_xP Nano-Species Supported on g-C₃N₄ for Photocatalytic H₂ Production. ACS Catalysis, 2020, 10, 458-462.	5.5	154

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19	Band structure engineering and efficient injection rich-Ï€-electrons into ultrathin g-C3N4 for boosting photocatalytic H2-production. Applied Surface Science, 2020, 505, 144564.	3.1	35
20	Development of magnetic imprinted PEDOT/CdS heterojunction photocatalytic nanoreactors: 3-Dimensional specific recognition for selectively photocatalyzing danofloxacin mesylate. Applied Catalysis B: Environmental, 2020, 268, 118433.	10.8	113
21	Ultrathin Mesoporous Carbon Nitride Nanosheets Prepared Through a Oneâ€Pot Approach towards Enhanced Photocatalytic Activity. Energy Technology, 2020, 8, 2000719.	1.8	8
22	Doping effect of metalloid group in graphitic carbon nitride molecular structure for significantly improved photocatalytic hydrogen production and photoelectric performance. Renewable Energy, 2020, 157, 660-669.	4.3	17
23	Mesoporous 3D/2D NiCoP/g-C₃N₄ Heterostructure with Dual Coâ€“N and Niâ€“N Bonding States for Boosting Photocatalytic H₂ Production Activity and Stability. ACS Sustainable Chemistry and Engineering, 2020, 8, 12934-12943.	3.2	45
24	0D/2D heterojunction constructed by high-dispersity Mo-doped Ni2P nanodots supported on g-C3N4 nanosheets towards enhanced photocatalytic H2 evolution activity. International Journal of Hydrogen Energy, 2020, 45, 22556-22566.	3.8	39
25	Multi-shelled hollow cube CaTiO3 decorated with Bi12O17Cl2 towards enhancing photocatalytic performance under the visible light. Journal of Colloid and Interface Science, 2020, 576, 21-33.	5.0	32
26	Enhanced light utilization efficiency and fast charge transfer for excellent CO2 photoreduction activity by constructing defect structures in carbon nitride. Journal of Colloid and Interface Science, 2020, 578, 574-583.	5.0	53
27	Construction of a Z-scheme MoS2/CaTiO3 heterostructure by the morphology-controlled strategy towards enhancing photocatalytic activity. Chemical Engineering Journal, 2020, 399, 125721.	6.6	95
28	Metal-free Z-scheme 2D/2D VdW heterojunction for high-efficiency and durable photocatalytic H2 production. Chemical Engineering Journal, 2020, 395, 125150.	6.6	139
29	Facile nitrogen and sulfur deficient engineering on sulfur doped g-C3N4 for efficiently photocatalytic H2 evolution. Journal of the Taiwan Institute of Chemical Engineers, 2020, 117, 93-102.	2.7	20
30	Fabrication of 2D/0D Heterojunction Based on the Dual Controls of Micro/Nanoâ€Morphology and Structure Towards Highâ€Efficiency Photocatalytic H₂ Production. ChemCatChem, 2019, 11, 6263-6269.	1.8	14
31	Enhanced selectivity for photodegrading ciprofloxacin by a magnetic photocatalyst modified with a POPDâ€“CdS heterojunction embedded imprinted layer. New Journal of Chemistry, 2019, 43, 2610-2623.	1.4	15
32	Iodine ion doped bromo bismuth oxide modified bismuth germanate: A direct Z-scheme photocatalyst with enhanced visible-light photocatalytic performance. Journal of Colloid and Interface Science, 2019, 553, 186-196.	5.0	22
33	Bimetallic Au/Ag decorated TiO2 nanocomposite membrane for enhanced photocatalytic degradation of tetracycline and bactericidal efficiency. Applied Surface Science, 2019, 487, 1008-1017.	3.1	94
34	Magnetic functional heterojunction reactors with 3D specific recognition for selective photocatalysis and synergistic photodegradation in binary antibiotic solutions. Journal of Materials Chemistry A, 2019, 7, 13986-14000.	5.2	140
35	Yeast-derived carbon sphere as a bridge of charge carriers towards to enhanced photocatalytic activity of 2D/2D Cu2WS4/g-C3N4 heterojunction. Journal of Colloid and Interface Science, 2019, 546, 262-275.	5.0	70
36	Magnetic Hierarchical Photocatalytic Nanoreactors: Toward Highly Selective Cd²⁺ Removal with Secondary Pollution Free Tetracycline Degradation. ACS Applied Nano Materials, 2019, 2, 1664-1674.	2.4	45

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37	Construction of ion imprinted layer modified ZnFe2O4 for selective Cr(VI) reduction with simultaneous organic pollutants degradation based on different reaction channels. Applied Surface Science, 2019, 483, 453-462.	3.1	48
38	Precursor-reforming strategy induced g-C3N4 microtubes with spatial anisotropic charge separation established by conquering hydrogen bond for enhanced photocatalytic H2-production performance. Journal of Colloid and Interface Science, 2019, 547, 224-233.	5.0	37
39	A visible-light-driven Z-scheme CdS/Bi12GeO20 heterostructure with enhanced photocatalytic degradation of various organics and the reduction of aqueous Cr(VI). Journal of Colloid and Interface Science, 2019, 543, 317-327.	5.0	67
40	Control of energy band, layer structure and vacancy defect of graphitic carbon nitride by intercalated hydrogen bond effect of NO3â^' toward improving photocatalytic performance. Chemical Engineering Journal, 2019, 357, 209-219.	6.6	209
41	Enhanced Selectivity for Oriented Catalyzing Tetracycline by the Functional Inorganic Imprinted ZnFe2O4@Ag3PO4/SiO2 Photocatalyst with Excellent Stability. Nano, 2019, 14, 1950004.	0.5	4
42	Facile fabrication of g-C3N4 QDs/BiVO4 Z-scheme heterojunction towards enhancing photodegradation activity under visible light. Journal of the Taiwan Institute of Chemical Engineers, 2019, 95, 669-681.	2.7	104
43	Improved recyclability and selectivity of environment-friendly MFA-based heterojunction imprinted photocatalyst for secondary pollution free tetracycline orientation degradation. Chemical Engineering Journal, 2019, 360, 1262-1276.	6.6	169
44	Selective reduction of Cu2+ with simultaneous degradation of tetracycline by the dual channels ion imprinted POPD-CoFe2O4 heterojunction photocatalyst. Chemical Engineering Journal, 2019, 360, 750-761.	6.6	113
45	Insight into photocatalytic activity, universality and mechanism of copper/chlorine surface dual-doped graphitic carbon nitride for degrading various organic pollutants in water. Journal of Colloid and Interface Science, 2019, 538, 462-473.	5.0	80
46	Facile fabrication of Ag2O/Bi12GeO20 heterostructure with enhanced visible-light photocatalytic activity for the degradation of various antibiotics. Journal of Alloys and Compounds, 2019, 773, 1089-1098.	2.8	56
47	Anti-fouling and thermosensitive ion-imprinted nanocomposite membranes based on grapheme oxide and silicon dioxide for selectively separating europium ions. Journal of Hazardous Materials, 2018, 353, 244-253.	6.5	97
48	Solvothermal-Assisted Synthesis of Biomass Carbon Quantum Dots/Bismuth Oxyiodide Microflower for Enhanced Photocatalytic Activity. Nano, 2018, 13, 1850031.	0.5	14
49	A two step hydrothermal process to prepare carbon spheres from bamboo for construction of coreâ€“shell non-metallic photocatalysts. New Journal of Chemistry, 2018, 42, 6515-6524.	1.4	22
50	NGQD active sites as effective collectors of charge carriers for improving the photocatalytic performance of Z-scheme g-C₃N₄/Bi₂WO₆ heterojunctions. Catalysis Science and Technology, 2018, 8, 622-631.	2.1	188
51	Synergetic effect of carbon sphere derived from yeast with magnetism and cobalt oxide nanochains towards improving photodegradation activity for various pollutants. Applied Catalysis B: Environmental, 2018, 220, 137-147.	10.8	53
52	Visible-light-driven Ag/Bi₃O₄Cl nanocomposite photocatalyst with enhanced photocatalytic activity for degradation of tetracycline. RSC Advances, 2018, 8, 37200-37207.	1.7	65
53	A New Graphitic Carbon Nitride/Horseradish Peroxidase Hybrid Nanoâ€“Bio Artificial Catalytic System for Unselective Degradation of Persistent Phenolic Pollutants. Advanced Materials Interfaces, 2018, 5, 1801297.	1.9	30
54	A novel Z-Scheme CdS/Bi3O4Cl heterostructure for photocatalytic degradation of antibiotics: Mineralization activity, degradation pathways and mechanism insight. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 224-234.	2.7	114

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55	Z-scheme mesoporous photocatalyst constructed by modification of Sn3O4 nanoclusters on g-C3N4 nanosheets with improved photocatalytic performance and mechanism insight. Applied Catalysis B: Environmental, 2018, 238, 284-293.	10.8	336
56	Mesoporous ferriferrous oxide nanoreactors modified on graphitic carbon nitride towards improvement of physical, photoelectrochemical properties and photocatalytic performance. Journal of Colloid and Interface Science, 2018, 531, 331-342.	5.0	113
57	Enhanced photocatalytic performance and stability of visible-light-driven Z-scheme CdS/Ag/g-C₃N₄ nanosheets photocatalyst. New Journal of Chemistry, 2018, 42, 12437-12448.	1.4	31
58	Fabrication of Z-scheme Bi3O4Cl/g-C3N4 2D/2D heterojunctions with enhanced interfacial charge separation and photocatalytic degradation various organic pollutants activity. Applied Surface Science, 2018, 455, 705-716.	3.1	216
59	Construction and enhanced photocatalytic activities of a hydrogenated TiO₂ nanobelt coated with CDs/MoS₂ nanosheets. RSC Advances, 2017, 7, 8429-8442.	1.7	34
60	Intercalation Effect of Attapulgite in g-C₃N₄ Modified with Fe₃O₄ Quantum Dots To Enhance Photocatalytic Activity for Removing 2-Mercaptobenzothiazole under Visible Light. ACS Sustainable Chemistry and Engineering, 2017, 5, 10614-10623.	3.2	109
61	Microwave-hydrothermal synthesis of a novel, recyclable and stable photocatalytic nanoreactor for recognition and degradation of tetracycline. Catalysis Science and Technology, 2017, 7, 4092-4104.	2.1	41
62	Molecularly imprinted nanocomposite membranes based on GO/PVDF blended membranes with an organicâ€“inorganic structure for selective separation of norfloxacin. New Journal of Chemistry, 2017, 41, 14966-14976.	1.4	14
63	A novel hollow capsule-like recyclable functional ZnO/C/Fe₃O₄ endowed with three-dimensional oriented recognition ability for selectively photodegrading danofloxacin mesylate. Catalysis Science and Technology, 2016, 6, 6513-6524.	2.1	65
64	Fabrication of a ternary plasmonic photocatalyst CQDs/Ag/Ag2O to harness charge flow for photocatalytic elimination of pollutants. Applied Catalysis B: Environmental, 2016, 192, 134-144.	10.8	155
65	Facile synthesis of BiOI/CdWO₄ pâ€“n junctions: enhanced photocatalytic activities and photoelectrochemistry. RSC Advances, 2016, 6, 38290-38299.	1.7	26
66	The highly improved visible light photocatalytic activity of BiOI through fabricating a novel pâ€“n heterojunction BiOI/WO₃nanocomposite. CrystEngComm, 2016, 18, 1790-1799.	1.3	45
67	Construction of high-dispersed Ag/Fe 3 O 4 /g-C 3 N 4 photocatalyst by selective photo-deposition and improved photocatalytic activity. Applied Catalysis B: Environmental, 2016, 182, 115-122.	10.8	370
68	Specific oriented recognition of a new stable ICTX@Mfa with retrievability for selective photocatalytic degrading of ciprofloxacin. Catalysis Science and Technology, 2016, 6, 1367-1377.	2.1	79
69	Frontispiece: Enhanced Recyclability, Stability, and Selectivity of CdS/C@Fe₃O₄ Nanoreactors for Orientation Photodegradation of Ciprofloxacin. Chemistry - A European Journal, 2015, 21, .	1.7	0
70	Enhanced Recyclability, Stability, and Selectivity of CdS/C@Fe₃O₄ Nanoreactors for Orientation Photodegradation of Ciprofloxacin. Chemistry - A European Journal, 2015, 21, 18528-18533.	1.7	100
71	A thin empty-shell bismuth tungstate hierarchical structure constructed by the acid sculpture effect with improved visible-light photocatalytic activity. New Journal of Chemistry, 2015, 39, 4384-4390.	1.4	17
72	Improved light absorption and photocatalytic activity of Zn,N-TiO2â^'x rich in oxygen vacancies synthesized by nitridation and hydrogenation. New Journal of Chemistry, 2015, 39, 2417-2420.	1.4	9

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73	Whole-Visible-Light Absorption of a Mixed-Valence Silver Vanadate Semiconductor Stemming from an Assistant Effect of dâ€“d Transition. Inorganic Chemistry, 2015, 54, 11826-11830.	1.9	15
74	Durability, inactivation and regeneration of silver tetratantalate in photocatalytic H₂ evolution. Physical Chemistry Chemical Physics, 2015, 17, 795-799.	1.3	13
75	One-dimensional Bi₂O₃ QD-decorated BiVO₄ nanofibers: electrospinning synthesis, phase separation mechanism and enhanced photocatalytic performance. RSC Advances, 2015, 5, 3767-3773.	1.7	20
76	Highly-effective photocatalytic properties and interfacial transfer efficiencies of charge carriers for the novel Ag₂CO₃/AgX heterojunctions achieved by surface modification. Dalton Transactions, 2014, 43, 7282-7289.	1.6	66
77	An advanced Ag-based photocatalyst Ag₂Ta₄O₁₁ with outstanding activity, durability and universality for removing organic dyes. Physical Chemistry Chemical Physics, 2014, 16, 23915-23921.	1.3	59
78	Stability, durability and regeneration ability of a novel Ag-based photocatalyst, Ag₂Nb₄O₁₁. Chemical Communications, 2014, 50, 6596-6599.	2.2	73