Zhaohong Zhang

List of Publications by Year
in descending order

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38 papers	1,704 citations	331670 21 h-index	302126 39 g-index
39 all docs	39 docs citations	39 times ranked	1987 citing authors

#	Article	IF	Citations
1	Fabrication of novel immobilized and forced Z-scheme Ag|AgNbO3/Ag/Er3+:YAlO3@Nb2O5 nanocomposite film photocatalyst for enhanced degradation of auramine O with synchronous evolution of pure hydrogen. Separation and Purification Technology, 2022, 288, 120658.	7.9	10
2	Construction of novel microwave-photo dual responsive Z-scheme CdWO4/ZnFe2O4 system using isoelectric point method for antibiotic degradation and mechanism perspective. Journal of Environmental Chemical Engineering, 2022, 10, 108220.	6.7	3
3	Construction of high-proportion ternary dual Z-scheme Co3O4/NiCo2O4/NiO photocatalytic system via incomplete solid phase chemical reactions of Co(OH)2 and Ni(OH)2 for organic pollutant degradation with simultaneous hydrogen production. Journal of Power Sources, 2021, 506, 230159.	7.8	31
4	Bimetal Cu and Pd decorated Z-scheme NiGa2O4/BiVO4 photocatalyst for conversion of nitride and sulfide dyes to (NH4)2SO4. Separation and Purification Technology, 2020, 231, 115890.	7.9	18
5	Fixed Z-scheme TiO2|Ti|WO3 composite film as recyclable and reusable photocatalyst for highly effective hydrogen production. Optical Materials, 2020, 99, 109545.	3.6	16
6	The Fabrication of Magnetically Recyclable La-Doped TiO2/Calcium Ferrite/Diatomite Composite for Visible-Light-Driven Degradation of Antibiotic and Disinfection of Bacteria. Environmental Engineering Science, 2020, 37, 109-119.	1.6	6
7	Fabrication of black TiO_{2â^'x}/CuFe₂O₄ decorated on diatomaceous earth with enhanced sonocatalytic activity for ibuprofen mitigation. Catalysis Science and Technology, 2020, 10, 7922-7939.	4.1	6
8	Preparation of high proportion of Z-scheme Er3+:Y3Al5O12@Nb2O5/Pt/In2O3 composite for enhanced visible-light driven photocatalytic hydrogen production. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 257, 114549.	3.5	20
9	Fabrication of novel Z-scheme SrTiO3/MnFe2O4 system with double-response activity for simultaneous microwave-induced and photocatalytic degradation of tetracycline and mechanism insight. Chemical Engineering Journal, 2020, 400, 125981.	12.7	74
10	Construction of fixed Z-scheme Ag|AgBr/Ag/TiO2 photocatalyst composite film for malachite green degradation with simultaneous hydrogen production. Journal of Power Sources, 2020, 469, 228430.	7.8	53
11	Construction of novel symmetric double Z-scheme BiFeO3/CuBi2O4/BaTiO3 photocatalyst with enhanced solar-light-driven photocatalytic performance for degradation of norfloxacin. Applied Catalysis B: Environmental, 2020, 272, 119017.	20.2	150
12	Construction of ternary annular 2Z-scheme+1Heterojunction CuO/WO3/CdS/ photocatalytic system for methylene blue degradation with simultaneous hydrogen production. Applied Surface Science, 2019, 498, 143843.	6.1	55
13	Visibleâ€lightâ€driven mitigation of antibiotic oxytetracycline and disinfection of Escherichia coli using magnetic recyclable Agâ€modified zinc ferrite/diatomite ternary hybrid material. Journal of Chemical Technology and Biotechnology, 2019, 94, 2537-2546.	3.2	12
14	Construction of novel Z-scheme Ag/ZnFe2O4/Ag/BiTa1-xVxO4 system with enhanced electron transfer capacity for visible light photocatalytic degradation of sulfanilamide. Journal of Hazardous Materials, 2019, 375, 161-173.	12.4	45
15	An anti-symmetric dual (ASD) Z-scheme photocatalytic system: (ZnIn2S4/Er3+:Y3Al5O12@ZnTiO3/CaIn2S4) for organic pollutants degradation with simultaneous hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 6592-6607.	7.1	54
16	Microwave hydrothermal-assisted preparation of novel spinel-NiFe 2 O 4 /natural mineral composites as microwave catalysts for degradation of aquatic organic pollutants. Journal of Hazardous Materials, 2018, 350, 1-9.	12.4	60
17	Construction of novel Z-scheme Ag/FeTiO3/Ag/BiFeO3 photocatalyst with enhanced visible-light-driven photocatalytic performance for degradation of norfloxacin. Chemical Engineering Journal, 2018, 351, 1056-1066.	12.7	102
18	A novel Z-scheme Er3+:YAlO3/Ta2O5-CaIn2S4/MoSe2-reduced graphene oxide photocatalyst with superior photocatalytic hydrogen evolution activity. Renewable Energy, 2017, 111, 628-637.	8.9	13

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19	A new visible-light-induced Z-scheme photocatalytic system: Er3+:Y3Al5O12/(MoS2/NiGa2O4)-(BiVO4/PdS) for refractory pollutant degradation with simultaneous hydrogen evolution. Molecular Catalysis, 2017, 441, 10-20.	2.0	12
20	Preparation of new visible-light driven nanocomposite photocatalysts, X/NaTaO3/Er3+:YAlO3 (X = Ag,) Tj ETQq0 0 0 rgBT /Overlock 10 T 2017, 54, 398-407.	5.8	14
21	Preparation of N,F-codoped TiO 2 nanoparticles by three different methods and comparison of visible-light photocatalytic performances. Separation and Purification Technology, 2017, 175, 305-313.	7.9	45
22	Investigation on interaction of DNA and several cationic surfactants with different head groups by spectroscopy, gel electrophoresis and viscosity technologies. Chemosphere, 2017, 168, 599-605.	8.2	20
23	Enhanced visible-light photocatalytic hydrogen evolution activity of Er3+:Y3Al5O12/PdSâ€“ZnS by conduction band co-catalysts (MoO2, MoS2 and MoSe2). International Journal of Hydrogen Energy, 2016, 41, 12826-12835.	7.1	15
24	Microwave-induced carbon nanotubes catalytic degradation of organic pollutants in aqueous solution. Journal of Hazardous Materials, 2016, 310, 226-234.	12.4	78
25	Spectroscopic study on interaction between three cationic surfactants with different alkyl chain lengths and DNA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 237-246.	3.9	11
26	Confirmation of hydroxyl radicals (â€¢OH) generated in the presence of TiO2 supported on AC under microwave irradiation. Journal of Hazardous Materials, 2014, 278, 152-157.	12.4	36
27	Assisted activated carbonâ€microwave degradation of the sodium dodecyl benzene sulfonate by nanoâ€•or microâ€Fe₃O₄ and comparison of their catalytic activity. Environmental Progress and Sustainable Energy, 2013, 32, 181-186.	2.3	8
28	Microwave induced degradation of parathion in the presence of supported anatase- and rutile-TiO2/AC and comparison of their catalytic activity. Chemical Engineering Journal, 2013, 231, 84-93.	12.7	61
29	NF-TiO2 photocatalysis of amitrole and atrazine with addition of oxidants under simulated solar light: Emerging synergies, degradation intermediates, and reusable attributes. Journal of Hazardous Materials, 2013, 260, 569-575.	12.4	73
30	Microwave degradation of methyl orange dye in aqueous solution in the presence of nano-TiO2-supported activated carbon (supported-TiO2/AC/MW). Journal of Hazardous Materials, 2012, 209-210, 271-277.	12.4	134
31	Spectroscopic study on interaction between bisphenol A or its degraded solution under microwave irradiation in the presence of activated carbon and human serum albumin. Journal of Luminescence, 2011, 131, 1386-1392.	3.1	10
32	Photocatalytic degradation of organic dyes with Er3+:YAlO3/ZnO composite under solar light. Solar Energy Materials and Solar Cells, 2009, 93, 355-361.	6.2	84
33	Investigation on rapid degradation of sodium dodecyl benzene sulfonate (SDBS) under microwave irradiation in the presence of modified activated carbon powder with ferreous sulfate. Desalination, 2009, 249, 1022-1029.	8.2	37
34	Solar photocatalytic degradation of dye wastewater in the presence of heatâ€treated anatase TiO₂ powder. Environmental Progress, 2008, 27, 242-249.	0.7	16
35	Preparation of Fe-doped mixed crystal TiO2 catalyst and investigation of its sonocatalytic activity during degradation of azo fuchsine under ultrasonic irradiation. Journal of Colloid and Interface Science, 2008, 320, 202-209.	9.4	78
36	Investigation on the rapid degradation of congo red catalyzed by activated carbon powder under microwave irradiation. Journal of Hazardous Materials, 2007, 147, 325-333.	12.4	148

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37	Investigation on degradation of azo fuchsine using visible light in the presence of heat-treated anatase TiO2 powder. Dyes and Pigments, 2007, 75, 335-343.	3.7	42
38	Investigation on photocatalytic degradation of ethyl violet dyestuff using visible light in the presence of ordinary rutile TiO2 catalyst doped with upconversion luminescence agent. Water Research, 2006, 40, 2143-2150.	11.3	52