

Huanxian Shi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,555
citations

331670

21
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1539
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation and removal of Ceftriaxone sodium in aquatic environment with Bi ₂ WO ₆ /g-C ₃ N ₄ photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2018, 523, 7-17.	9.4	136
2	Visible light driven CuBi ₂ O ₄ /Bi ₂ MoO ₆ p-n heterojunction with enhanced photocatalytic inactivation of <i>E. coli</i> and mechanism insight. <i>Journal of Hazardous Materials</i> , 2020, 381, 121006.	12.4	134
3	Facile synthesis of novel carbon quantum dots from biomass waste for highly sensitive detection of iron ions. <i>Materials Research Bulletin</i> , 2020, 124, 110730.	5.2	134
4	Enhanced photocatalytic activity of Ag-CsPbBr ₃ /CN composite for broad spectrum photocatalytic degradation of cephalosporin antibiotics 7-ACA. <i>Applied Catalysis B: Environmental</i> , 2019, 247, 57-69.	20.2	133
5	Fabrication of a Sb ₂ MoO ₆ /g-C ₃ N ₄ Photocatalyst for Enhanced RhB Degradation and H ₂ Generation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13771-13778.	3.1	104
6	Highly efficient visible light driven photocatalytic inactivation of <i>E. coli</i> with Ag QDs decorated Z-scheme Bi ₂ S ₃ /SnIn ₄ S ₈ composite. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 403-413.	20.2	99
7	A strong blue fluorescent nanoprobe for highly sensitive and selective detection of mercury(II) based on sulfur doped carbon quantum dots. <i>Materials Chemistry and Physics</i> , 2019, 232, 145-151.	4.0	92
8	A novel S-scheme 1D/2D Bi ₂ S ₃ /g-C ₃ N ₄ heterojunctions with enhanced H ₂ evolution activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 608, 125598.	4.7	84
9	Construction of novel Z-scheme flower-like Bi ₂ S ₃ /SnIn ₄ S ₈ heterojunctions with enhanced visible light photodegradation and bactericidal activity. <i>Applied Surface Science</i> , 2019, 465, 212-222.	6.1	78
10	Photocatalytic activity enhanced by synergistic effects of nano-silver and ZnSe quantum dots co-loaded with bulk g-C ₃ N ₄ for Ceftriaxone sodium degradation in aquatic environment. <i>Chemical Engineering Journal</i> , 2018, 353, 56-68.	12.7	51
11	Fabricating CsPbX ₃ /CN heterostructures with enhanced photocatalytic activity for penicillins 6-APA degradation. <i>Chemical Engineering Journal</i> , 2020, 381, 122692.	12.7	51
12	Efficient photodegradation of cefixime catalyzed by a direct Z-scheme CQDs-BiOBr/CN composite: Performance, toxicity evaluation and photocatalytic mechanism. <i>Chemosphere</i> , 2022, 292, 133430.	8.2	47
13	In-situ construction of step-scheme MoS ₂ /Bi ₄ O ₅ Br ₂ heterojunction with improved photocatalytic activity of Rhodamine B degradation and disinfection. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 500-512.	9.4	44
14	A novel nitrogen-doped carbon quantum dots as effective fluorescent probes for detecting dopamine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 391, 112374.	3.9	43
15	CuInS ₂ sensitized TiO ₂ for enhanced photodegradation and hydrogen production. <i>Ceramics International</i> , 2019, 45, 6093-6101.	4.8	40
16	Biocompatible sulfur nitrogen co-doped carbon quantum dots for highly sensitive and selective detection of dopamine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111874.	5.0	39
17	A novel S-scheme MoS ₂ /CdIn ₂ S ₄ flower-like heterojunctions with enhanced photocatalytic degradation and H ₂ evolution activity. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 205101.	2.8	35
18	Cu ₃ P and Ni ₂ P co-modified g-C ₃ N ₄ nanosheet with excellent photocatalytic H ₂ evolution activities. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 3117-3125.	3.2	30

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19	Efficient inner filter effect sensors based on CdTeS quantum dots and Ag nanoparticles for sensitive detection of l-cysteine. <i>Journal of Alloys and Compounds</i> , 2019, 781, 1021-1027.	5.5	27
20	The enhanced visible light driven photocatalytic inactivation of <i>Escherichia coli</i> with Z-Scheme Bi ₂ O ₃ /Bi ₂ MoO ₆ heterojunction and mechanism insight. <i>Ceramics International</i> , 2021, 47, 7974-7984.	4.8	25
21	A high sensitive and selective fluorescent probe for dopamine detection based on water soluble AgInS ₂ quantum dots. <i>Optical Materials</i> , 2020, 99, 109549.	3.6	22
22	Enhanced photocatalytic activity of ZnSe QDs/g-C ₃ N ₄ composite for Ceftriaxone sodium degradation under visible light. <i>Materials Letters</i> , 2018, 231, 150-153.	2.6	21
23	Efficient detection doxorubicin hydrochloride using CuInSe ₂ @ZnS quantum dots and Ag nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118673.	3.9	19
24	Carbon quantum dots prepared by pyrolysis: Investigation of the luminescence mechanism and application as fluorescent probes. <i>Dyes and Pigments</i> , 2022, 204, 110431.	3.7	19
25	Enhancement of photocatalytic disinfection performance of the Bi ₄ O ₅ Br ₂ with the modification of silver quantum dots. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105867.	6.7	17
26	A novel fluorescent sensors for sensitive detection of nitrite ions. <i>Materials Chemistry and Physics</i> , 2020, 239, 122121.	4.0	10
27	A ratiometric fluorescence probe for melamine detection based on luminescence resonance energy transfer between the NaYF ₄ :Yb, Er upconversion nanoparticles and gold nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112259.	3.9	7
28	Preparation of polycrystalline ZnO nanoparticles loaded onto graphene oxide and their antibacterial properties. <i>Materials Today Communications</i> , 2021, 28, 102531.	1.9	6
29	Fabrication of Ag quantum dot/SnIn ₄ S ₈ Schottky junction with enhanced photocatalytic inactivation of <i>E. coli</i> under visible light excitation. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 085103.	2.8	4
30	Biocompatible double emission boron nitrogen co-doped carbon quantum dots for selective and sensitive detection of Al ³⁺ and Fe ²⁺ . <i>Materials Research Bulletin</i> , 2022, 155, 111970.	5.2	4