

Danzhen Li

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.

99
papers

6,023
citations

44
h-index

76
g-index

103
ext. papers

6,545
ext. citations

8.9
avg, IF

5.67
L-index

#	Paper	IF	Citations
99	Ionic liquid-assisted fabrication of metal-organic framework-derived indium oxide/bismuth oxyiodide p-n junction photocatalysts for robust photocatalysis against phenolic pollutants. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1261-1273	9.3	5
98	Photocatalytic purification of contaminated air in intensive care units by ZnSn(OH) nanoparticles. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 31770-31777	5.1	1
97	Fabrication of MOF-derived tubular InO@SnInS hybrid: Heterojunction formation and promoted photocatalytic reduction of Cr(VI) under visible light. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 278-287	9.3	11
96	CdS quantum dots-decorated InOOH: Facile synthesis and excellent photocatalytic activity under visible light. <i>Journal of Colloid and Interface Science</i> , 2021 , 601, 186-195	9.3	2
95	Synthesis of BiPO by crystallization and hydroxylation with boosted photocatalytic removal of organic pollutants in air and water. <i>Journal of Hazardous Materials</i> , 2020 , 399, 122999	12.8	11
94	Regulating charge transfer over 3D Au/ZnO hybrid inverse opal toward efficiently photocatalytic degradation of bisphenol A and photoelectrochemical water splitting. <i>Chemical Engineering Journal</i> , 2020 , 393, 124676	14.7	43
93	Engineering composition-tunable 3D hierarchical bismuth oxyiodides heterojunctions: Ionic liquid-assisted fabrication with strong adsorption ability and enhanced photocatalytic properties. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 250-259	21.8	33
92	Constructing photocatalyst from Bi ₂ O ₃ photonic crystals for enhanced photocatalytic performance. <i>Journal of Porous Materials</i> , 2018 , 25, 677-685	2.4	6
91	New insight into an efficient visible light-driven photocatalytic organic transformation over CdS/TiO photocatalysts. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 51-59	4.2	35
90	Photocatalytic methane conversion coupled with hydrogen evolution from water over Pd/TiO ₂ . <i>Catalysis Science and Technology</i> , 2017 , 7, 635-640	5.5	31
89	Antimony oxide hydrate (Sb ₂ O ₅ ·nH ₂ O) as a simple and high efficient photocatalyst for oxidation of benzene. <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 379-385	21.8	25
88	Amorphous MoS _x on CdS nanorods for highly efficient photocatalytic hydrogen evolution. <i>Journal of Solid State Chemistry</i> , 2017 , 246, 230-236	3.3	22
87	An antimonate pyrochlore (H _{1.23} Sr _{0.45} SbO _{3.48}) for photocatalytic oxidation of benzene: effective oxygen usage and excellent activity. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 937-941	13	3
86	Photocatalytic decomposition of benzene enhanced by the heating effect of light: improving solar energy utilization with photothermocatalytic synergy. <i>Catalysis Science and Technology</i> , 2017 , 7, 3303-3311	5.5	15
85	A Visible Light Photocatalyst of Carbonate-Like Species Doped TiO ₂ . <i>Journal of the American Ceramic Society</i> , 2017 , 100, 333-342	3.8	11
84	Direct combination of hydrogen evolution from water and methane conversion in a photocatalytic system over Pt/TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 216-223	21.8	99
83	A facile synthesis of CdSe quantum dots-decorated anatase TiO ₂ with exposed {0 0 1} facets and its superior photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 838-847	21.8	62

82	Unusual photocatalytic materials with UV-VIS-NIR spectral response: deciphering the photothermocatalytic synergetic effect of Pt/LaVO ₄ /TiO ₂ . <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14213-14221	13	39
81	Efficient light harvesting over a CdS/InO photonic crystal photocatalyst for hydrogenation of 4-nitroaniline to p-phenylenediamine. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27848-27857	3.6	17
80	Highly efficient Bi ₂ O ₂ CO ₃ /BiOCl photocatalyst based on heterojunction with enhanced dye-sensitization under visible light. <i>Applied Catalysis B: Environmental</i> , 2016 , 187, 301-309	21.8	216
79	Hydroxide SrSn(OH) ₆ : A new photocatalyst for degradation of benzene and rhodamine B. <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 533-540	21.8	26
78	Temperature-induced phase changes in bismuth oxides and efficient photodegradation of phenol and p-chlorophenol. <i>Journal of Hazardous Materials</i> , 2016 , 301, 362-70	12.8	76
77	Ga doped ZnO photonic crystals with enhanced photocatalytic activity and its reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2016 , 195, 29-38	21.8	46
76	One-step SDS-assisted hydrothermal synthesis and photoelectrochemical study of Ag ₄ V ₂ O ₇ nanorods decorated with Ag nanoparticles. <i>CrystEngComm</i> , 2015 , 17, 6661-6668	3.3	11
75	Role of active oxygen species in the liquid-phase photocatalytic degradation of RhB using BiVO ₄ /TiO ₂ heterostructure under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , 2015 , 408, 172-178		46
74	One-pot template-free synthesis of heterophase BiVO ₄ microspheres with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 54882-54889	3.7	37
73	Integrating photonic bandgaps with surface plasmon resonance for the enhancement of visible-light photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23501-23511	13	41
72	Immobilized Silver Nanoparticles on Chitosan with Special Surface State-Enhanced Antimicrobial Efficacy and Reduced Cytotoxicity. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 6435-43	1.3	5
71	Morphological effect on photocatalytic degradation of Rhodamine B and conversion of active species over BaSb ₂ O ₆ . <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 323-329	21.8	25
70	Inhibition of photocorrosion and photoactivity enhancement for ZnO via specific hollow ZnO core/ZnS shell structure. <i>Applied Catalysis B: Environmental</i> , 2015 , 164, 453-461	21.8	102
69	Investigation of nitrogen doped and carbon species decorated TiO ₂ with enhanced visible light photocatalytic activity by using chitosan. <i>Applied Catalysis B: Environmental</i> , 2015 , 179, 344-351	21.8	105
68	Facile preparation of L-ascorbic acid-stabilized copper-chitosan nanocomposites with high stability and antimicrobial properties. <i>Science Bulletin</i> , 2015 , 60, 227-234	10.6	15
67	Construction of ZnO/TiO ₂ photonic crystal heterostructures for enhanced photocatalytic properties. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 408-415	21.8	125
66	Relationship between surface hydroxyl groups and liquid-phase photocatalytic activity of titanium dioxide. <i>Journal of Colloid and Interface Science</i> , 2015 , 444, 42-8	9.3	39
65	Sn ₃ O ₄ : a novel heterovalent-tin photocatalyst with hierarchical 3D nanostructures under visible light. <i>RSC Advances</i> , 2014 , 4, 1266-1269	3.7	87

64	Photocatalytic Activity of Novel Ag ₄ V ₂ O ₇ Photocatalyst Under Visible Light Irradiation. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 267-274	3.8	30
63	A large-area smooth graphene film on a TiO ₂ nanotube array via a one-step electrochemical process. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5187	13	8
62	Photoelectrocatalytic degradation of rhodamine B on TiO ₂ photonic crystals. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 15299-306	3.6	47
61	A facile preparation of ZnGa ₂ O ₄ photonic crystals with enhanced light absorption and photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15796-15802	13	32
60	TiO ₂ nanotube array-graphene-CdS quantum dots composite film in Z-scheme with enhanced photoactivity and photostability. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13157-66	9.5	129
59	Preparation, photocatalytic activity, and mechanism of Cd ₂ Sb ₂ O ₆ .8-graphene composite. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 644-653	21.8	23
58	A novel and green method to synthesize CdSe quantum dots-modified TiO ₂ and its enhanced visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 217-226	21.8	93
57	Synthesis and preferentially loading of nickel nanoparticle on CdS surface and its photocatalytic performance for hydrogen evolution under visible light. <i>Materials Research Bulletin</i> , 2014 , 57, 254-259	5.1	21
56	Application of long wavelength visible light ($\lambda > 650$ nm) in photocatalysis with a p-CuO/n-In ₂ O ₃ quantum dot heterojunction photocatalyst. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9637	13	46
55	Structuring Bi ₂ WO ₆ photonic crystal photocatalyst for efficient degradation of organic pollutants. <i>Environmental Science & Technology</i> , 2013 , 47, 9911-7	10.3	59
54	Enhanced photosensitized degradation of rhodamine B on CdS/TiO ₂ nanocomposites under visible light irradiation. <i>Materials Research Bulletin</i> , 2013 , 48, 3025-3031	5.1	37
53	Probing photonic effect on photocatalytic degradation of dyes based on 3D inverse opal ZnO photonic crystal. <i>RSC Advances</i> , 2013 , 3, 17021	3.7	26
52	Exploration of the active species in the photocatalytic degradation of methyl orange under UV light irradiation. <i>Journal of Molecular Catalysis A</i> , 2013 , 380, 10-17		54
51	Titanium Dioxide Photonic Crystals with Enhanced Photocatalytic Activity: Matching Photonic Band Gaps of TiO ₂ to the Absorption Peaks of Dyes. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21263-21273	3.8	87
50	A facile solvothermal method to produce ZnS quantum dots-decorated graphene nanosheets with superior photoactivity. <i>Nanotechnology</i> , 2013 , 24, 375601	3.4	48
49	ZnO photonic crystals with enhanced photocatalytic activity and photostability. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2744	13	59
48	A high efficient photocatalyst Ag ₃ VO ₄ /TiO ₂ /graphene nanocomposite with wide spectral response. <i>Applied Catalysis B: Environmental</i> , 2013 , 136-137, 94-102	21.8	146
47	A promising new photocatalyst CdSnO ₃ ·nH ₂ O for air purification under ambient condition. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 403-408	21.8	19

46	Microwave-Assisted Rapid Synthesis of ZnO Hexagonal Quasi-Hourglasses. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2322-2329	3.8	6
45	Microwave-assisted hydrothermal synthesis of marigold-like ZnIn ₂ S ₄ microspheres and their visible light photocatalytic activity. <i>Journal of Solid State Chemistry</i> , 2012 , 186, 247-254	3.3	40
44	Rapid microwave hydrothermal synthesis of ZnGa ₂ O ₄ with high photocatalytic activity toward aromatic compounds in air and dyes in liquid water. <i>Journal of Solid State Chemistry</i> , 2012 , 190, 135-142	3.3	36
43	Preparation and characterization of TiO ₂ /SPI composite film. <i>Materials Letters</i> , 2012 , 83, 42-45	3.3	44
42	One-step template-free synthesis of BaSb ₂ O ₆ micro-flowers and their associated photocatalytic activity. <i>CrystEngComm</i> , 2012 , 14, 8382	3.3	9
41	Evidence for the Active Species Involved in the Photodegradation Process of Methyl Orange on TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3552-3560	3.8	277
40	A new perspective for effect of Bi on the photocatalytic activity of Bi-doped TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2012 , 125, 294-303	21.8	52
39	One-step preparation of hollow ZnO core/ZnS shell structures with enhanced photocatalytic properties. <i>CrystEngComm</i> , 2012 , 14, 6295	3.3	59
38	Highly Efficient Oxidation of Gaseous Benzene on Novel Ag ₃ VO ₄ /TiO ₂ Nanocomposite Photocatalysts under Visible and Simulated Solar Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13935-13943	3.8	104
37	Highly Efficient Photocatalytic Degradation of Organic Pollutants by PANI-Modified TiO ₂ Composite. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5764-5772	3.8	374
36	High photocatalytic performance of zinc hydroxystannate toward benzene and methyl orange. <i>Applied Catalysis B: Environmental</i> , 2012 , 113-114, 134-140	21.8	42
35	Sensitive Marker of the Cisplatin-DNA Interaction: X-Ray Photoelectron Spectroscopy of CL. <i>Bioinorganic Chemistry and Applications</i> , 2012 , 2012, 649640	4.2	2
34	Sonochemical synthesis, characterization and photocatalytic properties of a novel cube-shaped CaSn(OH) ₆ . <i>Catalysis Communications</i> , 2011 , 12, 972-975	3.2	112
33	Microwave hydrothermal synthesis of AgInS ₂ with visible light photocatalytic activity. <i>Materials Research Bulletin</i> , 2011 , 46, 975-982	5.1	57
32	Novel approach to enhance photosensitized degradation of rhodamine B under visible light irradiation by the ZnxCd _{1-x} S/TiO ₂ nanocomposites. <i>Environmental Science & Technology</i> , 2011 , 45, 2987-93	10.3	143
31	BiVO ₄ /TiO ₂ nanocrystalline heterostructure: A wide spectrum responsive photocatalyst towards the highly efficient decomposition of gaseous benzene. <i>Applied Catalysis B: Environmental</i> , 2011 , 104, 30-36	21.8	246
30	Rapid microwave hydrothermal synthesis of GaOOH nanorods with photocatalytic activity toward aromatic compounds. <i>Nanotechnology</i> , 2010 , 21, 355601	3.4	54
29	Specific Analyses of the Active Species on Zn _{0.28} Cd _{0.72} S and TiO ₂ Photocatalysts in the Degradation of Methyl Orange. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21482-21492	3.8	43

28	Microwave Synthesis of ZnxCd1-xS Nanorods and Their Photocatalytic Activity under Visible Light. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2154-2159	3.8	150
27	Microwave hydrothermal synthesis and photocatalytic activity of AgIn5S8 for the degradation of dye. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2466-2474	3.3	35
26	Photocatalytic Oxidation of Benzene on Nano-crystalline Mg-Al-HT/TiO2 Heterocompounds. <i>Chinese Journal of Catalysis</i> , 2010 , 31, 1037-1043	11.3	1
25	Characterization and properties of Eu3+-doped CdWO4 prepared by a hydrothermal method. <i>Research on Chemical Intermediates</i> , 2009 , 35, 675-683	2.8	19
24	Study on the photodegradation and microbiological degradation of pirimicarb insecticide by using liquid chromatography coupled with ion-trap mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 3217-22	4.5	15
23	Synthesis and Photocatalytic Activity of Calcium Antimony Oxide Hydroxide for the Degradation of Dyes in Water. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13825-13831	3.8	61
22	Photocatalyst Cd2Sb2O6.8 with High Photocatalytic Activity toward Benzene and Dyes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14916-14921	3.8	26
21	Photocatalytic Degradation of Dyes by ZnIn2S4 Microspheres under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4433-4440	3.8	180
20	Efficient Photocatalytic Activity of PZT/TiO2 Heterojunction under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14264-14269	3.8	49
19	Microwave hydrothermal synthesis of calcium antimony oxide hydroxide with high photocatalytic activity toward benzene. <i>Environmental Science & Technology</i> , 2009 , 43, 7877-82	10.3	38
18	Efficient degradation of benzene over LaVO4/TiO2 nanocrystalline heterojunction photocatalyst under visible light irradiation. <i>Environmental Science & Technology</i> , 2009 , 43, 4164-8	10.3	246
17	A New Application of Nanocrystal In2S3 in Efficient Degradation of Organic Pollutants under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5254-5262	3.8	150
16	New Photocatalyst, Sb2S3, for Degradation of Methyl Orange under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 18076-18081	3.8	124
15	High-efficient Degradation of Dyes by ZnxCd1-xS Solid Solutions under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14943-14947	3.8	96
14	Low-temperature and template-free synthesis of ZnIn2S4 microspheres. <i>Inorganic Chemistry</i> , 2008 , 47, 9766-72	5.1	136
13	A New Photocatalyst CdWO4 Prepared with a Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17351-17356	3.8	79
12	CO Preferential oxidation promoted by UV irradiation in the presence of H2 over Au/TiO2. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 3256-62	3.6	16
11	A new route for degradation of volatile organic compounds under visible light: using the bifunctional photocatalyst Pt/TiO2-xNx in H2-O2 atmosphere. <i>Environmental Science & Technology</i> , 2008 , 42, 2130-5	10.3	79

10	InVO4-sensitized TiO2 photocatalysts for efficient air purification with visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 193, 213-221	4.7	110
9	Indium hydroxide: A highly active and low deactivated catalyst for photoinduced oxidation of benzene. <i>Comptes Rendus Chimie</i> , 2008 , 11, 101-106	2.7	54
8	New Synthesis of Single-Crystalline InVO4 Nanorods Using an Ionic Liquid. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3698-3703	3.8	13
7	Study of relationship between surface transient photoconductivity and liquid-phase photocatalytic activity of titanium dioxide. <i>Materials Chemistry and Physics</i> , 2007 , 102, 53-59	4.4	20
6	New synthesis of excellent visible-light TiO2-Nx photocatalyst using a very simple method. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 2630-2634	3.3	52
5	Unprecedented application of lead zirconate titanate in degradation of Rhodamine B under visible light irradiation. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1116		20
4	New synthesis of a porous Si/TiO2 photocatalyst: testing its efficiency and stability under visible light irradiation. <i>Photochemical and Photobiological Sciences</i> , 2006 , 5, 653-5	4.2	21
3	Promoting effects of H2 on photooxidation of volatile organic pollutants over Pt/TiO2. <i>New Journal of Chemistry</i> , 2005 , 29, 1514	3.6	32
2	A primary study on the photocatalytic properties of HZSM-5 zeolite. <i>Catalysis Today</i> , 2004 , 93-95, 851-856	3.3	28
1	H2-O2 atmosphere increases the activity of Pt/TiO2 for benzene photocatalytic oxidation by two orders of magnitude. <i>Chemical Communications</i> , 2004 , 2304-5	5.8	36