

# Danzhen Li

## List of Publications by Citations

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76  
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103  
ext. papers

6,545  
ext. citations

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5.67  
L-index

#	Paper	IF	Citations
99	Highly Efficient Photocatalytic Degradation of Organic Pollutants by PANI-Modified TiO <sub>2</sub> Composite. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 5764-5772	3.8	374
98	Evidence for the Active Species Involved in the Photodegradation Process of Methyl Orange on TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 3552-3560	3.8	277
97	BiVO <sub>4</sub> /TiO <sub>2</sub> nanocrystalline heterostructure: A wide spectrum responsive photocatalyst towards the highly efficient decomposition of gaseous benzene. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 104, 30-36	21.8	246
96	Efficient degradation of benzene over LaVO <sub>4</sub> /TiO <sub>2</sub> nanocrystalline heterojunction photocatalyst under visible light irradiation. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 4164-8	10.3	246
95	Highly efficient Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /BiOCl photocatalyst based on heterojunction with enhanced dye-sensitization under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 187, 301-309	21.8	216
94	Photocatalytic Degradation of Dyes by ZnIn <sub>2</sub> S <sub>4</sub> Microspheres under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 4433-4440	3.8	180
93	Microwave Synthesis of Zn <sub>x</sub> Cd <sub>1-x</sub> S Nanorods and Their Photocatalytic Activity under Visible Light. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 2154-2159	3.8	150
92	A New Application of Nanocrystal In <sub>2</sub> S <sub>3</sub> in Efficient Degradation of Organic Pollutants under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 5254-5262	3.8	150
91	A high efficient photocatalyst Ag <sub>3</sub> VO <sub>4</sub> /TiO <sub>2</sub> /graphene nanocomposite with wide spectral response. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 136-137, 94-102	21.8	146
90	Novel approach to enhance photosensitized degradation of rhodamine B under visible light irradiation by the Zn <sub>x</sub> Cd <sub>1-x</sub> S/TiO <sub>2</sub> nanocomposites. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 2987-93	10.3	143
89	Low-temperature and template-free synthesis of ZnIn <sub>2</sub> S <sub>4</sub> microspheres. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 9766-72	5.1	136
88	TiO <sub>2</sub> nanotube array-graphene-CdS quantum dots composite film in Z-scheme with enhanced photoactivity and photostability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13157-66	9.5	129
87	Construction of ZnO/TiO <sub>2</sub> photonic crystal heterostructures for enhanced photocatalytic properties. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 168-169, 408-415	21.8	125
86	New Photocatalyst, Sb <sub>2</sub> S <sub>3</sub> , for Degradation of Methyl Orange under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 18076-18081	3.8	124
85	Sonochemical synthesis, characterization and photocatalytic properties of a novel cube-shaped CaSn(OH) <sub>6</sub> . <i>Catalysis Communications</i> , <b>2011</b> , 12, 972-975	3.2	112
84	InVO <sub>4</sub> -sensitized TiO <sub>2</sub> photocatalysts for efficient air purification with visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2008</b> , 193, 213-221	4.7	110
83	Investigation of nitrogen doped and carbon species decorated TiO <sub>2</sub> with enhanced visible light photocatalytic activity by using chitosan. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 179, 344-351	21.8	105

82	Highly Efficient Oxidation of Gaseous Benzene on Novel Ag <sub>3</sub> VO <sub>4</sub> /TiO <sub>2</sub> Nanocomposite Photocatalysts under Visible and Simulated Solar Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 13935-13943	3.8	104
81	Inhibition of photocorrosion and photoactivity enhancement for ZnO via specific hollow ZnO core/ZnS shell structure. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 164, 453-461	21.8	102
80	Direct combination of hydrogen evolution from water and methane conversion in a photocatalytic system over Pt/TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 204, 216-223	21.8	99
79	High-efficient Degradation of Dyes by ZnxCd <sub>1-x</sub> S Solid Solutions under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 14943-14947	3.8	96
78	A novel and green method to synthesize CdSe quantum dots-modified TiO <sub>2</sub> and its enhanced visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 160-161, 217-226	21.8	93
77	Sn <sub>3</sub> O <sub>4</sub> : a novel heterovalent-tin photocatalyst with hierarchical 3D nanostructures under visible light. <i>RSC Advances</i> , <b>2014</b> , 4, 1266-1269	3.7	87
76	Titanium Dioxide Photonic Crystals with Enhanced Photocatalytic Activity: Matching Photonic Band Gaps of TiO <sub>2</sub> to the Absorption Peaks of Dyes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 21263-21273	3.8	87
75	A New Photocatalyst CdWO <sub>4</sub> Prepared with a Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 17351-17356	3.8	79
74	A new route for degradation of volatile organic compounds under visible light: using the bifunctional photocatalyst Pt/TiO <sub>2</sub> -xNx in H <sub>2</sub> -O <sub>2</sub> atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 2130-5	10.3	79
73	Temperature-induced phase changes in bismuth oxides and efficient photodegradation of phenol and p-chlorophenol. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 301, 362-70	12.8	76
72	A facile synthesis of CdSe quantum dots-decorated anatase TiO <sub>2</sub> with exposed {0 0 1} facets and its superior photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 181, 838-847	21.8	62
71	Synthesis and Photocatalytic Activity of Calcium Antimony Oxide Hydroxide for the Degradation of Dyes in Water. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 13825-13831	3.8	61
70	Structuring BiGa <sub>2</sub> O <sub>3</sub> photonic crystal photocatalyst for efficient degradation of organic pollutants. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9911-7	10.3	59
69	One-step preparation of hollow ZnO core/ZnS shell structures with enhanced photocatalytic properties. <i>CrystEngComm</i> , <b>2012</b> , 14, 6295	3.3	59
68	ZnO photonic crystals with enhanced photocatalytic activity and photostability. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2744	13	59
67	Microwave hydrothermal synthesis of AgInS <sub>2</sub> with visible light photocatalytic activity. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 975-982	5.1	57
66	Exploration of the active species in the photocatalytic degradation of methyl orange under UV light irradiation. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 380, 10-17		54
65	Rapid microwave hydrothermal synthesis of GaOOH nanorods with photocatalytic activity toward aromatic compounds. <i>Nanotechnology</i> , <b>2010</b> , 21, 355601	3.4	54

64	Indium hydroxide: A highly active and low deactivated catalyst for photoinduced oxidation of benzene. <i>Comptes Rendus Chimie</i> , <b>2008</b> , 11, 101-106	2.7	54
63	A new perspective for effect of Bi on the photocatalytic activity of Bi-doped TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 125, 294-303	21.8	52
62	New synthesis of excellent visible-light TiO <sub>2</sub> -N <sub>x</sub> photocatalyst using a very simple method. <i>Journal of Solid State Chemistry</i> , <b>2007</b> , 180, 2630-2634	3.3	52
61	Efficient Photocatalytic Activity of PZT/TiO <sub>2</sub> Heterojunction under Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 14264-14269	3.8	49
60	A facile solvothermal method to produce ZnS quantum dots-decorated graphene nanosheets with superior photoactivity. <i>Nanotechnology</i> , <b>2013</b> , 24, 375601	3.4	48
59	Photoelectrocatalytic degradation of rhodamine B on TiO <sub>2</sub> /photonic crystals. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 15299-306	3.6	47
58	Role of active oxygen species in the liquid-phase photocatalytic degradation of RhB using BiVO <sub>4</sub> /TiO <sub>2</sub> heterostructure under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 408, 172-178		46
57	Application of long wavelength visible light ( $\lambda > 650$ nm) in photocatalysis with a p-CuO <sub>2</sub> -In <sub>2</sub> O <sub>3</sub> quantum dot heterojunction photocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9637	13	46
56	Ga doped ZnO photonic crystals with enhanced photocatalytic activity and its reaction mechanism. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 195, 29-38	21.8	46
55	Preparation and characterization of TiO <sub>2</sub> /SPI composite film. <i>Materials Letters</i> , <b>2012</b> , 83, 42-45	3.3	44
54	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> , <b>2020</b> , 393, 124676	14.7	43
53	Specific Analyses of the Active Species on Zn <sub>0.28</sub> Cd <sub>0.72</sub> S and TiO <sub>2</sub> Photocatalysts in the Degradation of Methyl Orange. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21482-21492	3.8	43
52	High photocatalytic performance of zinc hydroxystannate toward benzene and methyl orange. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 113-114, 134-140	21.8	42
51	Integrating photonic bandgaps with surface plasmon resonance for the enhancement of visible-light photocatalytic performance. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23501-23511	13	41
50	Microwave-assisted hydrothermal synthesis of marigold-like ZnIn <sub>2</sub> S <sub>4</sub> microspheres and their visible light photocatalytic activity. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 186, 247-254	3.3	40
49	Unusual photocatalytic materials with UV-VIS-NIR spectral response: deciphering the photothermocatalytic synergetic effect of Pt/LaVO <sub>4</sub> /TiO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14213-14221	13	39
48	Relationship between surface hydroxyl groups and liquid-phase photocatalytic activity of titanium dioxide. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 444, 42-8	9.3	39
47	Microwave hydrothermal synthesis of calcium antimony oxide hydroxide with high photocatalytic activity toward benzene. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 7877-82	10.3	38

46	One-pot template-free synthesis of heterophase BiVO <sub>4</sub> microspheres with enhanced photocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 54882-54889	3.7	37
45	Enhanced photosensitized degradation of rhodamine B on CdS/TiO <sub>2</sub> nanocomposites under visible light irradiation. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 3025-3031	5.1	37
44	Rapid microwave hydrothermal synthesis of ZnGa <sub>2</sub> O <sub>4</sub> with high photocatalytic activity toward aromatic compounds in air and dyes in liquid water. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 190, 135-142	3.3	36
43	H <sub>2</sub> -O <sub>2</sub> atmosphere increases the activity of Pt/TiO <sub>2</sub> for benzene photocatalytic oxidation by two orders of magnitude. <i>Chemical Communications</i> , <b>2004</b> , 2304-5	5.8	36
42	Microwave hydrothermal synthesis and photocatalytic activity of AgIn <sub>5</sub> S <sub>8</sub> for the degradation of dye. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 2466-2474	3.3	35
41	New insight into an efficient visible light-driven photocatalytic organic transformation over CdS/TiO photocatalysts. <i>Photochemical and Photobiological Sciences</i> , <b>2018</b> , 17, 51-59	4.2	35
40	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> , <b>2018</b> , 233, 250-259	21.8	33
39	A facile preparation of ZnGa <sub>2</sub> O <sub>4</sub> photonic crystals with enhanced light absorption and photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15796-15802	13	32
38	Promoting effects of H <sub>2</sub> on photooxidation of volatile organic pollutants over Pt/TiO <sub>2</sub> . <i>New Journal of Chemistry</i> , <b>2005</b> , 29, 1514	3.6	32
37	Photocatalytic methane conversion coupled with hydrogen evolution from water over Pd/TiO <sub>2</sub> . <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 635-640	5.5	31
36	Photocatalytic Activity of Novel Ag <sub>4</sub> V <sub>2</sub> O <sub>7</sub> Photocatalyst Under Visible Light Irradiation. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 267-274	3.8	30
35	A primary study on the photocatalytic properties of HZSM-5 zeolite. <i>Catalysis Today</i> , <b>2004</b> , 93-95, 851-856	3	28
34	Hydroxide SrSn(OH) <sub>6</sub> : A new photocatalyst for degradation of benzene and rhodamine B. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 182, 533-540	21.8	26
33	Probing photonic effect on photocatalytic degradation of dyes based on 3D inverse opal ZnO photonic crystal. <i>RSC Advances</i> , <b>2013</b> , 3, 17021	3.7	26
32	Photocatalyst Cd <sub>2</sub> Sb <sub>2</sub> O <sub>6.8</sub> with High Photocatalytic Activity toward Benzene and Dyes. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 14916-14921	3.8	26
31	Antimony oxide hydrate (Sb <sub>2</sub> O <sub>5</sub> · nH <sub>2</sub> O) as a simple and high efficient photocatalyst for oxidation of benzene. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 210, 379-385	21.8	25
30	Morphological effect on photocatalytic degradation of Rhodamine B and conversion of active species over BaSb <sub>2</sub> O <sub>6</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 163, 323-329	21.8	25
29	Preparation, photocatalytic activity, and mechanism of Cd <sub>2</sub> Sb <sub>2</sub> O <sub>6.8</sub> -graphene composite. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 644-653	21.8	23

28	Amorphous MoS <sub>x</sub> on CdS nanorods for highly efficient photocatalytic hydrogen evolution. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 246, 230-236	3.3	22
27	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> , <b>2014</b> , 57, 254-259	5.1	21
26	New synthesis of a porous Si/TiO <sub>2</sub> photocatalyst: testing its efficiency and stability under visible light irradiation. <i>Photochemical and Photobiological Sciences</i> , <b>2006</b> , 5, 653-5	4.2	21
25	Study of relationship between surface transient photoconductivity and liquid-phase photocatalytic activity of titanium dioxide. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 102, 53-59	4.4	20
24	Unprecedented application of lead zirconate titanate in degradation of Rhodamine B under visible light irradiation. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 1116		20
23	A promising new photocatalyst CdSnO <sub>3</sub> ·nH <sub>2</sub> O for air purification under ambient condition. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 129, 403-408	21.8	19
22	Characterization and properties of Eu <sup>3+</sup> -doped CdWO <sub>4</sub> prepared by a hydrothermal method. <i>Research on Chemical Intermediates</i> , <b>2009</b> , 35, 675-683	2.8	19
21	Efficient light harvesting over a CdS/InO photonic crystal photocatalyst for hydrogenation of 4-nitroaniline to p-phenylenediamine. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 27848-27857	3.6	17
20	CO Preferential oxidation promoted by UV irradiation in the presence of H <sub>2</sub> over Au/TiO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 3256-62	3.6	16
19	Photocatalytic decomposition of benzene enhanced by the heating effect of light: improving solar energy utilization with photothermocatalytic synergy. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 3303-3311	5.5	15
18	Facile preparation of L-ascorbic acid-stabilized copper-chitosan nanocomposites with high stability and antimicrobial properties. <i>Science Bulletin</i> , <b>2015</b> , 60, 227-234	10.6	15
17	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> , <b>2009</b> , 1216, 3217-22	4.5	15
16	New Synthesis of Single-Crystalline InVO <sub>4</sub> Nanorods Using an Ionic Liquid. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 3698-3703	3.8	13
15	One-step SDS-assisted hydrothermal synthesis and photoelectrochemical study of Ag <sub>4</sub> V <sub>2</sub> O <sub>7</sub> nanorods decorated with Ag nanoparticles. <i>CrystEngComm</i> , <b>2015</b> , 17, 6661-6668	3.3	11
14	Synthesis of BiPO <sub>4</sub> by crystallization and hydroxylation with boosted photocatalytic removal of organic pollutants in air and water. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 122999	12.8	11
13	A Visible Light Photocatalyst of Carbonate-Like Species Doped TiO <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 333-342	3.8	11
12	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> , <b>2021</b> , 596, 278-287	9.3	11
11	One-step template-free synthesis of BaSb <sub>2</sub> O <sub>6</sub> micro-flowers and their associated photocatalytic activity. <i>CrystEngComm</i> , <b>2012</b> , 14, 8382	3.3	9

10	A large-area smooth graphene film on a TiO <sub>2</sub> nanotube array via a one-step electrochemical process. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5187	13	8
9	Constructing photocatalyst from Bi <sub>2</sub> O <sub>3</sub> photonic crystals for enhanced photocatalytic performance. <i>Journal of Porous Materials</i> , <b>2018</b> , 25, 677-685	2.4	6
8	Microwave-Assisted Rapid Synthesis of ZnO Hexagonal Quasi-Hourglasses. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 2322-2329	3.8	6
7	Immobilized Silver Nanoparticles on Chitosan with Special Surface State-Enhanced Antimicrobial Efficacy and Reduced Cytotoxicity. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 6435-43	1.3	5
6	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> , <b>2022</b> , 606, 1261-1273	9.3	5
5	An antimonate pyrochlore (H <sub>1.23</sub> Sr <sub>0.45</sub> SbO <sub>3.48</sub> ) for photocatalytic oxidation of benzene: effective oxygen usage and excellent activity. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 937-941	13	3
4	Sensitive Marker of the Cisplatin-DNA Interaction: X-Ray Photoelectron Spectroscopy of CL. <i>Bioinorganic Chemistry and Applications</i> , <b>2012</b> , 2012, 649640	4.2	2
3	CdS quantum dots-decorated InOOH: Facile synthesis and excellent photocatalytic activity under visible light. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 601, 186-195	9.3	2
2	Photocatalytic Oxidation of Benzene on Nano-crystalline Mg-Al-HT/TiO <sub>2</sub> Heterocompounds. <i>Chinese Journal of Catalysis</i> , <b>2010</b> , 31, 1037-1043	11.3	1
1	Photocatalytic purification of contaminated air in intensive care units by ZnSn(OH) nanoparticles. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 31770-31777	5.1	1