

# Husheng Jia

## List of Publications by Year in descending order

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65  
papers

1,174  
citations

471371

17  
h-index

395590

33  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1418  
citing authors

#	ARTICLE	IF	CITATIONS
1	The structures and antibacterial properties of nano-SiO <sub>2</sub> supported silver/zinc-silver materials. <i>Dental Materials</i> , 2008, 24, 244-249.	1.6	149
2	Self-Doping Surface Oxygen Vacancy-Induced Lattice Strains for Enhancing Visible Light-Driven Photocatalytic H <sub>2</sub> Evolution over Black TiO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18758-18771.	4.0	127
3	Oxygen vacancy self-doped black TiO <sub>2</sub> nanotube arrays by aluminothermic reduction for photocatalytic CO <sub>2</sub> reduction under visible light illumination. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 35, 205-215.	3.3	116
4	A C@TiO <sub>2</sub> yolk-shell heterostructure for synchronous photothermal-photocatalytic degradation of organic pollutants. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1025-1040.	2.7	71
5	MIL-100 (Fe) with mix-valence coordinatively unsaturated metal site as Fenton-like catalyst for efficiently removing tetracycline hydrochloride: Boosting Fe(III)/Fe(II) cycle by photoreduction. <i>Separation and Purification Technology</i> , 2021, 262, 118334.	3.9	47
6	3D hierarchically porous NiO/NF electrode for the removal of chromium(VI) from wastewater by electrocoagulation. <i>Chemical Engineering Journal</i> , 2020, 402, 126151.	6.6	46
7	Synthesis, photoluminescence and intramolecular energy transfer model of a dysprosium complex. <i>Journal of Luminescence</i> , 2012, 132, 965-971.	1.5	43
8	Quality Control of the Traditional Patent Medicine Yimu Wan Based on SMRT Sequencing and DNA Barcoding. <i>Frontiers in Plant Science</i> , 2017, 8, 926.	1.7	36
9	First Principle Calculations of the Electronic Properties of the Fullerene Derivative as an Electron Acceptor in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19158-19161.	1.5	30
10	Fabrication of In <sub>2</sub> O <sub>3</sub> /ZnO@Ag nanowire ternary composites with enhanced visible light photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 37220-37229.	1.7	30
11	The study on properties of CdS photocatalyst with different ratios of zinc-blende and wurtzite structure. <i>RSC Advances</i> , 2013, 3, 20930.	1.7	27
12	Preparation and properties of heat resistant polylactic acid (PLA)/Nano-SiO <sub>2</sub> composite filament. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 164-171.	0.4	24
13	Curcumin enhances temsirolimus-induced apoptosis in human renal carcinoma cells through upregulation of YAP/p53. <i>Oncology Letters</i> , 2016, 12, 4999-5006.	0.8	24
14	Synthesis, characteristics and luminescent properties of a new Tb(III) ternary complex applied in near UV-based LED. <i>Optical Materials</i> , 2015, 49, 39-45.	1.7	21
15	Capping Silica Nanoparticles with Tryptophan-Mediated Cucurbit[8]uril Complex for Targeted Intracellular Drug Delivery Triggered by Tumor-Overexpressed IDO1 Enzyme. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900174.	3.9	21
16	Growth and characterization of flower-like Ag/ZnO heterostructure composites with enhanced photocatalytic performance. <i>Journal of Materials Science</i> , 2014, 49, 2347-2354.	1.7	20
17	Tunable white light emission of Eu,Tb,Zn-containing copolymers by RAFT polymerization. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9933-9941.	2.7	20
18	Thermal oxygen sensitization modification and its visible light catalytic antibacterial performance for ZIF-8. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164055.	2.8	19

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19	Synthesis and luminescent properties of terbium complex containing 4-benzoylbenzoic acid for application in NUV-based LED. <i>Journal of Rare Earths</i> , 2016, 34, 130-136.	2.5	18
20	Construction of Substituted Benzenes via Pd-Catalyzed Cross-Coupling/Cyclization Reaction of Vinyl Halides and Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2016, 81, 3329-3334.	1.7	17
21	Simplified phosphorescent organic light-emitting devices using heavy doping with an Ir complex as an emitter. <i>RSC Advances</i> , 2015, 5, 4261-4265.	1.7	16
22	A novel synthesis method for Ag/g-C <sub>3</sub> N <sub>4</sub> nanocomposite and mechanism of enhanced visible-light photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15636-15645.	1.1	16
23	Efficient photo-Fenton degradation performance, mechanism, and pathways of tetracycline hydrochloride over missing-linker metal-organic framework with mix-valence coordinatively unsaturated metal sites. <i>Separation and Purification Technology</i> , 2022, 287, 120568.	3.9	16
24	Shape-controlled synthesis of three-dimensional branched CdS nanostructure arrays: structural characteristics and formation mechanism. <i>CrystEngComm</i> , 2013, 15, 1007-1014.	1.3	15
25	Functional porous carbons from waste cotton fabrics for dyeing wastewater purification. <i>Fibers and Polymers</i> , 2016, 17, 212-219.	1.1	15
26	Synthesis of disorder-order TaON homojunction for photocatalytic hydrogen generation under visible light. <i>Journal of Materials Science</i> , 2021, 56, 9791-9806.	1.7	14
27	Synthesis of encapsulating and hollow onion-like fullerenes from coal. <i>Journal of Materials Science</i> , 2007, 42, 3805-3809.	1.7	13
28	A 3D C@TiO <sub>2</sub> multishell nanoframe for simultaneous photothermal catalytic hydrogen generation and organic pollutant degradation. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 535-546.	5.0	13
29	Synthesis, luminance and ultraviolet resistance of a copolymer phosphor of Eu-complex and siloxane in near UV-based LED. <i>Research on Chemical Intermediates</i> , 2017, 43, 4129-4143.	1.3	11
30	Synthesis, characterization and the fluorescent enhancement mechanism of bonded poly(Eu(TTA) <sub>2</sub> (phen)MAA-co-VA) nanofibers by electrospinning. <i>Optical Materials</i> , 2020, 106, 110007.	1.7	10
31	Tuning the chromaticity of the emission color of the copolymers containing Eu(III), Tb(III), Be(II) ions based on colorimetric principle. <i>Optical Materials</i> , 2016, 52, 92-99.	1.7	9
32	Program controlling the emission color of blend polymer phosphors containing Eu(III), Tb(III), Be(II) ions for WLEDs. <i>Optical Materials</i> , 2019, 89, 250-260.	1.7	9
33	Effect of oxygen vacancy concentration on the photocatalytic hydrogen evolution performance of anatase TiO <sub>2</sub> : DFT and experimental studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13369-13381.	1.1	9
34	Preparation of cellulose fibres with antibacterial Ag-loading nano-SiO <sub>2</sub> . <i>Bulletin of Materials Science</i> , 2011, 34, 629-634.	0.8	8
35	Study on converting cotton pulp fiber into carbonaceous microspheres. <i>Fibers and Polymers</i> , 2014, 15, 286-290.	1.1	8
36	Effect of composition and package structure of bi-color flexible remote phosphor film on the properties of remote white LEDs. <i>Optical Materials</i> , 2017, 72, 602-611.	1.7	8

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37	The structure of wool fibers grafted with chitosan coated Ag-loading nano-SiO <sub>2</sub> antibacterial composites. <i>Fibers and Polymers</i> , 2010, 11, 1201-1203.	1.1	6
38	Tuning of the emission chromaticity of Eu, Gd, Be-containing copolymers. <i>Optical Materials</i> , 2014, 37, 5-10.	1.7	6
39	A novel red emitting polymeric complex as a directly film-forming phosphor applied in NUV-based LEDs. <i>Optical Materials</i> , 2017, 73, 772-780.	1.7	6
40	Structure and photoluminescence property of Eu, Tb, Zn-containing macromolecular complex for white light emission. <i>Optics and Laser Technology</i> , 2018, 107, 389-397.	2.2	6
41	The synthesis, photoluminescence and energy transfer mechanism of a reactive Eu(III)-complex intermediate of white light phosphor. <i>Research on Chemical Intermediates</i> , 2012, 38, 911-924.	1.3	5
42	Facile and time-saving synthesis of octahedral Cu <sub>2</sub> O crystals by an ethanol-assisted solution method at low temperatures. <i>CrystEngComm</i> , 2017, 19, 1258-1264.	1.3	5
43	Efficient recycling of polyester and microcrystalline cellulose through one-step extraction from waste polyester-cotton blended fabrics with deep eutectic solvents. <i>Chemical Papers</i> , 2022, 76, 5601-5612.	1.0	5
44	Nickel and zirconia toughened alumina prepared by hydrothermal processing. <i>Journal of Materials Science</i> , 2007, 42, 4707-4711.	1.7	4
45	Effect of sirospun spinning with a press bar top pin on qualities of flax/cotton blended yarn. <i>Textile Research Journal</i> , 2012, 82, 985-993.	1.1	4
46	Influence of annealing temperature on microstructure and photoelectric properties of ternary CdSe@CdS@TiO <sub>2</sub> core-shell heterojunctions. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2085-2096.	1.2	4
47	{001}/{101} facets co-exposed TiO <sub>2</sub> microsheet arrays with Lanthanum doping for enhancing photocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19464-19474.	1.1	4
48	Theoretical studies on transforming a GaN semiconductor into a photonic crystal under a periodic external magnetic field. <i>Journal of Materials Science</i> , 2013, 48, 1147-1152.	1.7	3
49	A remote phosphor film of silicate-poly(styrene-co-glycidyl methacrylate) composites for NUV chip-based white LED. <i>Journal of Alloys and Compounds</i> , 2017, 729, 117-125.	2.8	3
50	GIS-based family tree system integration. , 2011, , .		2
51	Synthesis and photoluminescence properties of a Dy(III)-containing copolymer in a WLED device. <i>Research on Chemical Intermediates</i> , 2014, 40, 2629-2640.	1.3	2
52	The surface wettability of TiO <sub>2</sub> nanotube arrays: which is more importantâ€”morphology or chemical composition?. <i>Journal of Porous Materials</i> , 2019, 26, 91-98.	1.3	2
53	Tunable white light emission of an anti-ultraviolet rare-earth polysiloxane phosphors based on near UV chips. <i>Optics Express</i> , 2021, 29, 8997.	1.7	2
54	In-situ growth of MOF nanosheets with controllable thickness on copper foam for photoelectrocatalytic CO <sub>2</sub> reduction. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 14568-14580.	1.1	2

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55	Synthesis of feather-like carbon nanosheet arrays by radio frequency plasma technique. <i>Journal of Materials Science</i> , 2008, 43, 5014-5016.	1.7	1
56	Preparation and properties of nano-SiO <sub>2</sub> -coated wool fibers. <i>Journal of the Textile Institute</i> , 2013, 104, 838-843.	1.0	1
57	Strengthening-toughening of ceramics by metal elements recovered from electroplating sludge. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 413-416.	0.4	1
58	The influence of Au nuclei layer on formation and photoelectrochemical properties of Cu <sub>2</sub> O thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8579-8587.	1.1	1
59	The influence of DMSO on the formation and photoelectrochemical properties of CdS thin films by electrodeposition method. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 19-26.	1.2	1
60	Synthesis and Luminescence Properties of a Novel Eu <sup>3+</sup> -Containing Polysiloxane Copolymer. <i>ChemistrySelect</i> , 2018, 3, 5749-5755.	0.7	1
61	Synthesis, photoluminescence, and energy transfer mechanism of a reactive Eu(III)-complex used in white light-emitting diodes. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	1
62	The synthesis and luminescent properties of bonded Eu(III) polymer phosphors for white light-emitting diode. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 627-634.	1.4	0
63	Preparation and properties of blue-light-transmitted and yellow-light-reflected multilayer films for high-luminous-efficiency white LEDs. <i>Optik</i> , 2020, 208, 164577.	1.4	0
64	Highly Selective Ammonia Oxidation to Nitric Oxide over Pt <sub>y</sub> /Ti <sub>x</sub> Ce <sub>(1-x)</sub> O <sub>2</sub> Catalysts. <i>Integrated Ferroelectrics</i> , 2021, 215, 131-148.	0.3	0
65	Formation Mechanism of Molybdenum and Molybdenum Oxide Nanoparticles by Electron Irradiation. <i>Materials Research Society Symposia Proceedings</i> , 2001, 676, 341.	0.1	0