Husheng Jia

List of Publications by Year
in descending order

65 papers	1,174 citations	471509 17 h-index	395702 33 g-index
66 all docs	66 docs citations	66 times ranked	1418 citing authors

#	Article	IF	Citations
1	A 3D C@TiO2 multishell nanoframe for simultaneous photothermal catalytic hydrogen generation and organic pollutant degradation. Journal of Colloid and Interface Science, 2022, 609, 535-546.	9.4	13
2	Thermal oxygen sensitization modification and its visible light catalytic antibacterial performance for ZIF-8. Journal of Alloys and Compounds, 2022, 904, 164055.	5.5	19
3	Efficient photo-Fenton degradation performance, mechanism, and pathways of tetracycline hydrochloride over missing-linker metalâ€“organic framework with mix-valence coordinatively unsaturated metal sites. Separation and Purification Technology, 2022, 287, 120568.	7.9	16
4	In-situ growth of MOF nanosheets with controllable thickness on copper foam for photoelectrocatalytic CO2 reduction. Journal of Materials Science: Materials in Electronics, 2022, 33, 14568-14580.	2.2	2
5	Efficient recycling of polyester and microcrystalline cellulose through one-step extraction from waste polyester-cotton blended fabrics with deep eutectic solvents. Chemical Papers, 2022, 76, 5601-5612.	2.2	5
6	Synthesis of disorderâ€“order TaON homojunction for photocatalytic hydrogen generation under visible light. Journal of Materials Science, 2021, 56, 9791-9806.	3.7	14
7	Highly Selective Ammonia Oxidation to Nitric Oxide over Pty/TixCe(1-x)O2 Catalysts. Integrated Ferroelectrics, 2021, 215, 131-148.	0.7	0
8	Tunable white light emission of an anti-ultraviolet rare-earth polysiloxane phosphors based on near UV chips. Optics Express, 2021, 29, 8997.	3.4	2
9	Effect of oxygen vacancy concentration on the photocatalytic hydrogen evolution performance of anatase TiO2: DFT and experimental studies. Journal of Materials Science: Materials in Electronics, 2021, 32, 13369-13381.	2.2	9
10	Self-Doping Surface Oxygen Vacancy-Induced Lattice Strains for Enhancing Visible Light-Driven Photocatalytic H₂ Evolution over Black TiO₂. ACS Applied Materials & Interfaces, 2021, 13, 18758-18771.	8.0	127
11	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. Separation and Purification Technology, 2021, 262, 118334.	7.9	47
12	Oxygen vacancy self-doped black TiO2 nanotube arrays by aluminothermic reduction for photocatalytic CO2 reduction under visible light illumination. Journal of CO2 Utilization, 2020, 35, 205-215.	6.8	116
13	A C@TiO₂ yolkâ€“shell heterostructure for synchronous photothermalâ€“photocatalytic degradation of organic pollutants. Journal of Materials Chemistry C, 2020, 8, 1025-1040.	5.5	71
14	The synthesis and luminescent properties of bonded Eu(III) polymer phosphors for white lightâ€emitting diode. Journal of Heterocyclic Chemistry, 2020, 57, 627-634.	2.6	0
15	{001}/{101} facets co-exposed TiO2 microsheet arrays with Lanthanum doping for enhancing photocatalytic CO2 reduction. Journal of Materials Science: Materials in Electronics, 2020, 31, 19464-19474.	2.2	4
16	Synthesis, characterization and the fluorescent enhancement mechanism of bonded poly(Eu(TTA)2(phen)MAA-co-VA) nanofibers by electrospinning. Optical Materials, 2020, 106, 110007.	3.6	10
17	Preparation and properties of blue-light-transmitted and yellow-light-reflected multilayer films for high-luminous-efficiency white LEDs. Optik, 2020, 208, 164577.	2.9	0
18	3D hierarchically porous NiO/NF electrode for the removal of chromium(VI) from wastewater by electrocoagulation. Chemical Engineering Journal, 2020, 402, 126151.	12.7	46

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19	The surface wettability of TiO2 nanotube arrays: which is more importantâ€”morphology or chemical composition?. Journal of Porous Materials, 2019, 26, 91-98.	2.6	2
20	A novel synthesis method for Ag/g-C3N4 nanocomposite and mechanism of enhanced visible-light photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2019, 30, 15636-15645.	2.2	16
21	Influence of annealing temperature on microstructure and photoelectric properties of ternary CdSe@CdS@TiO2 coreâ€“shell heterojunctions. Journal of Solid State Electrochemistry, 2019, 23, 2085-2096.	2.5	4
22	Capping Silica Nanoparticles with Tryptophanâ€Mediated Cucurbit[8]uril Complex for Targeted Intracellular Drug Delivery Triggered by Tumorâ€Overexpressed IDO1 Enzyme. Advanced Healthcare Materials, 2019, 8, e1900174.	7.6	21
23	Program controlling the emission color of blend polymer phosphors containing Eu(III), Tb(III), Be(II) ions for WLEDs. Optical Materials, 2019, 89, 250-260.	3.6	9
24	Synthesis and Luminescence Properties of a Novel Eu 3+ â€Containing Polysiloxane Copolymer. ChemistrySelect, 2018, 3, 5749-5755.	1.5	1
25	Structure and photoluminescence property of Eu, Tb, Zn-containing macromolecular complex for white light emission. Optics and Laser Technology, 2018, 107, 389-397.	4.6	6
26	Synthesis, photoluminescence, and energy transfer mechanism of a reactive Eu(III)-complex used in white light-emitting diodes. Optical Engineering, 2018, 57, 1.	1.0	1
27	Synthesis, luminance and ultraviolet resistance of a copolymer phosphor of Eu-complex and siloxane in near UV-based LED. Research on Chemical Intermediates, 2017, 43, 4129-4143.	2.7	11
28	Facile and time-saving synthesis of octahedral Cu₂O crystals by an ethanol-assisted solution method at low temperatures. CrystEngComm, 2017, 19, 1258-1264.	2.6	5
29	The influence of Au nuclei layer on formation and photoelectrochemical properties of Cu2O thin films. Journal of Materials Science: Materials in Electronics, 2017, 28, 8579-8587.	2.2	1
30	A remote phosphor film of silicate-poly(styrene-co-glycidyl methacrylate) composites for NUV chip-based white LED. Journal of Alloys and Compounds, 2017, 729, 117-125.	5.5	3
31	A novel red emitting polymeric complex as a directly film-forming phosphor applied in NUV-based LEDs. Optical Materials, 2017, 73, 772-780.	3.6	6
32	Fabrication of In₂O₃/ZnO@Ag nanowire ternary composites with enhanced visible light photocatalytic activity. RSC Advances, 2017, 7, 37220-37229.	3.6	30
33	Effect of composition and package structure of bi-color flexible remote phosphor film on the properties of remote white LEDs. Optical Materials, 2017, 72, 602-611.	3.6	8
34	The influence of DMSO on the formation and photoelectrochemical properties of CdS thin films by electrodeposition method. Journal of Solid State Electrochemistry, 2017, 21, 19-26.	2.5	1
35	Quality Control of the Traditional Patent Medicine Yimu Wan Based on SMRT Sequencing and DNA Barcoding. Frontiers in Plant Science, 2017, 8, 926.	3.6	36
36	Preparation and properties of heat resistant polylactic acid (PLA)/Nano-SiO2 composite filament. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 164-171.	1.0	24

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37	Tuning the chromaticity of the emission color of the copolymers containing Eu(III), Tb(III), Be(II) ions based on colorimetric principle. Optical Materials, 2016, 52, 92-99.	3.6	9
38	Functional porous carbons from waste cotton fabrics for dyeing wastewater purification. Fibers and Polymers, 2016, 17, 212-219.	2.1	15
39	Construction of Substituted Benzenes via Pd-Catalyzed Cross-Coupling/Cyclization Reaction of Vinyl Halides and Terminal Alkynes. Journal of Organic Chemistry, 2016, 81, 3329-3334.	3.2	17
40	Synthesis and luminescent properties of terbium complex containing 4-benzoylbenzoic acid for application in NUV-based LED. Journal of Rare Earths, 2016, 34, 130-136.	4.8	18
41	Curcumin enhances temsirolimus-induced apoptosis in human renal carcinoma cells through upregulation of YAP/p53. Oncology Letters, 2016, 12, 4999-5006.	1.8	24
42	Tunable white light emission of Eu,Tb,Zn-containing copolymers by RAFT polymerization. Journal of Materials Chemistry C, 2015, 3, 9933-9941.	5.5	20
43	Synthesis, characteristics and luminescent properties of a new Tb(III) ternary complex applied in near UV-based LED. Optical Materials, 2015, 49, 39-45.	3.6	21
44	Simplified phosphorescent organic light-emitting devices using heavy doping with an Ir complex as an emitter. RSC Advances, 2015, 5, 4261-4265.	3.6	16
45	Synthesis and photoluminescence properties of a Dy(III)-containing copolymer in a WLED device. Research on Chemical Intermediates, 2014, 40, 2629-2640.	2.7	2
46	Growth and characterization of flower-like Ag/ZnO heterostructure composites with enhanced photocatalytic performance. Journal of Materials Science, 2014, 49, 2347-2354.	3.7	20
47	Study on converting cotton pulp fiber into carbonaceous microspheres. Fibers and Polymers, 2014, 15, 286-290.	2.1	8
48	Tuning of the emission chromaticity of Eu, Gd, Be-containing copolymers. Optical Materials, 2014, 37, 5-10.	3.6	6
49	Preparation and properties of nano-SiO2-coated wool fibers. Journal of the Textile Institute, 2013, 104, 838-843.	1.9	1
50	Strengthening-toughening of ceramics by metal elements recovered from electroplating sludge. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 413-416.	1.0	1
51	The study on properties of CdS photocatalyst with different ratios of zinc-blende and wurtzite structure. RSC Advances, 2013, 3, 20930.	3.6	27
52	Theoretical studies on transforming a GaN semiconductor into a photonic crystal under a periodic external magnetic field. Journal of Materials Science, 2013, 48, 1147-1152.	3.7	3
53	Shape-controlled synthesis of three-dimensional branched CdS nanostructure arrays: structural characteristics and formation mechanism. CrystEngComm, 2013, 15, 1007-1014.	2.6	15
54	Effect of sirospun spinning with a press bar top pin on qualities of flax/cotton blended yarn. Textile Reseach Journal, 2012, 82, 985-993.	2.2	4

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55	Synthesis, photoluminescence and intramolecular energy transfer model of a dysprosium complex. Journal of Luminescence, 2012, 132, 965-971.	3.1	43
56	The synthesis, photoluminescence and energy transfer mechanism of a reactive Eu(III)-complex intermediate of white light phosphor. Research on Chemical Intermediates, 2012, 38, 911-924.	2.7	5
57	GIS-based family tree system integration. , 2011, , .		2
58	Preparation of cellulose fibres with antibacterial Ag-loading nano-SiO2. Bulletin of Materials Science, 2011, 34, 629-634.	1.7	8
59	The structure of wool fibers grafted with chitosan coated Ag-loading nano-SiO2 antibacterial composites. Fibers and Polymers, 2010, 11, 1201-1203.	2.1	6
60	Synthesis of feather-like carbon nanosheet arrays by radio frequency plasma technique. Journal of Materials Science, 2008, 43, 5014-5016.	3.7	1
61	The structures and antibacterial properties of nano-SiO2 supported silver/zincâ€“silver materials. Dental Materials, 2008, 24, 244-249.	3.5	149
62	First Principle Calculations of the Electronic Properties of the Fullerene Derivative as an Electron Acceptor in Organic Solar Cells. Journal of Physical Chemistry C, 2008, 112, 19158-19161.	3.1	30
63	Synthesis of encapsulating and hollow onion-like fullerenes from coal. Journal of Materials Science, 2007, 42, 3805-3809.	3.7	13
64	Nickel and zirconia toughened alumina prepared by hydrothermal processing. Journal of Materials Science, 2007, 42, 4707-4711.	3.7	4
65	Formation Mechanism of Molybdenum and Molybdenum Oxide Nanoparticles by Electron Irradiation. Materials Research Society Symposia Proceedings, 2001, 676, 341.	0.1	0