Zhangjun Hu

List of Publications by Year
in descending order

117 papers	4,999 citations	109137 35 h-index	106150 65 g-index
118 all docs	118 docs citations	118 times ranked	7266 citing authors

#	Article	IF	Citations
1	Nested hollow architectures of nitrogen-doped carbon-decorated Fe, Co, Ni-based phosphides for boosting water and urea electrolysis. Nano Research, 2022, 15, 1916-1925.	5.8	42
2	Construction of Feâ€doped NiSâ€“NiS₂ Heterostructured Microspheres Via Etching Prussian Blue Analogues for Efficient Waterâ€Urea Splitting. Small, 2022, 18, e2106841.	5.2	49
3	Nanoporous <scp>CoP</scp> nanowire arrays decorated with carbonâ€coated <scp>CoP</scp> nanoparticles: the role of interfacial engineering for efficient overall water splitting. International Journal of Energy Research, 2022, 46, 11359-11370.	2.2	3
4	Single-wavelength-excited fluorogenic nanoprobe for accurate realtime ratiometric analysis of broad pH fluctuations in mitophagy. Nano Research, 2022, 15, 6515-6521.	5.8	3
5	Cerium Oxide Nanoparticles with Entrapped Gadolinium for High T₁ Relaxivity and ROS-Scavenging Purposes. ACS Omega, 2022, 7, 21337-21345.	1.6	7
6	Facile preparation of sulfonated biochar for highly efficient removal of toxic Pb(II) and Cd(II) from wastewater. Science of the Total Environment, 2021, 750, 141545.	3.9	90
7	Interface engineering of NiS@MoS2 core-shell microspheres as an efficient catalyst for hydrogen evolution reaction in both acidic and alkaline medium. Journal of Alloys and Compounds, 2021, 853, 157352.	2.8	41
8	Phosphorus-doped Fe7S8@C nanowires for efficient electrochemical hydrogen and oxygen evolutions: Controlled synthesis and electronic modulation on active sites. Journal of Materials Science and Technology, 2021, 74, 168-175.	5.6	18
9	Synergistically modulating electronic structure of NiS2 hierarchical architectures by phosphorus doping and sulfur-vacancies defect engineering enables efficient electrocatalytic water splitting. Chemical Engineering Journal, 2021, 420, 127630.	6.6	83
10	Orthorhombic Ta3-xN5-yOy thin films grown by unbalanced magnetron sputtering: The role of oxygen on structure, composition, and optical properties. Surface and Coatings Technology, 2021, 406, 126665.	2.2	5
11	Nanocontacts give efficient hole injection in organic electronics. Science Bulletin, 2021, 66, 875-879.	4.3	2
12	An advanced electrocatalyst for efficient synthesis of ammonia based on chemically coupled NiS@MoS₂ heterostructured nanospheres. Sustainable Energy and Fuels, 2021, 5, 2640-2648.	2.5	12
13	Controlled synthesis of Mn3O4/RGO nanocomposites with enhanced lithium-storage performance. Journal of Materials Science: Materials in Electronics, 2021, 32, 3543-3555.	1.1	0
14	Critical role of additive-induced molecular interaction on the operational stability of perovskite light-emitting diodes. Joule, 2021, 5, 618-630.	11.7	99
15	In-situ growth of cerium nanoparticles for chrome-free, corrosion resistant anodic coatings. Surface and Coatings Technology, 2021, 410, 126958.	2.2	8
16	Fabrication of multi-layer CoSnO3@carbon-caged NiCo2O4 nanobox for enhanced lithium storage performance. Chemical Engineering Journal, 2021, 410, 128458.	6.6	26
17	Selective colorimetric detection of copper (II) by a protein-based nanoprobe. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119462.	2.0	13
18	Impact of Amine Additives on Perovskite Precursor Aging: A Case Study of Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2021, 12, 5836-5843.	2.1	6

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19	Tailorable Membraneâ€Penetrating Nanoplatform for Highly Efficient Organelleâ€Specific Localization. Small, 2021, 17, 2101440.	5.2	2
20	Hierarchical CoFe LDH/MOF nanorods array with strong coupling effect grown on carbon cloth enables efficient oxidation of water and urea. Nanotechnology, 2021, 32, 385405.	1.3	25
21	A ratiometric fluorogenic nanoprobe for real-time quantitative monitoring of lysosomal pH. Sensors and Actuators B: Chemical, 2021, 345, 130350.	4.0	10
22	Encapsulating Fe₂O₃ Nanotubes into Carbonâ€Coated Co₉S₈ Nanocages Derived from a MOFsâ€Directed Strategy for Efficient Oxygen Evolution Reactions and Liâ€Ions Storage. Small, 2021, 17, e2103178.	5.2	26
23	Well-defined CoSe₂@MoSe₂ hollow heterostructured nanocubes with enhanced dissociation kinetics for overall water splitting. Nanoscale, 2020, 12, 326-335.	2.8	71
24	Rapid detection of mercury (II) ions and water content by a new rhodamine B-based fluorescent chemosensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 241, 118657.	2.0	35
25	Real-time monitoring of lipid droplets growth via the fusion with fluorescent dye-labeled adiposomes. Dyes and Pigments, 2020, 182, 108653.	2.0	3
26	A Multiâ€responsive Fluorescent Probe Reveals Mitochondrial Nucleoprotein Dynamics with Reactive Oxygen Species Regulation through Superâ€resolution Imaging. Angewandte Chemie, 2020, 132, 16288-16294.	1.6	5
27	Efficient and Highâ€Luminance Perovskite Lightâ€Emitting Diodes Based on CsPbBr₃ Nanocrystals Synthesized from a Dualâ€Purpose Organic Lead Source. Small, 2020, 16, e2003939.	5.2	18
28	A Multiâ€responsive Fluorescent Probe Reveals Mitochondrial Nucleoprotein Dynamics with Reactive Oxygen Species Regulation through Superâ€resolution Imaging. Angewandte Chemie - International Edition, 2020, 59, 16154-16160.	7.2	48
29	Real-time tracking of mitochondrial dynamics by a dual-sensitive probe. Sensors and Actuators B: Chemical, 2020, 320, 128418.	4.0	8
30	Light-Up Lipid Droplets Dynamic Behaviors Using a Red-Emitting Fluorogenic Probe. Analytical Chemistry, 2020, 92, 3613-3619.	3.2	104
31	Perovskite-molecule composite thin films for efficient and stable light-emitting diodes. Nature Communications, 2020, 11, 891.	5.8	83
32	Integrated Design of Hierarchical CoSnO₃@NC@MnO@NC Nanobox as Anode Material for Enhanced Lithium Storage Performance. ACS Applied Materials & Interfaces, 2020, 12, 19768-19777.	4.0	24
33	Endoplasmic reticulum-targeted fluorogenic probe based on pyrimidine derivative for visualizing exogenous/endogenous H2S in living cells. Dyes and Pigments, 2020, 179, 108390.	2.0	21
34	Carbon-Decorated Fe₃S₄-Fe₇Se₈ Hetero-Nanowires: Interfacial Engineering for Bifunctional Electrocatalysis Toward Hydrogen and Oxygen Evolution Reactions. Journal of the Electrochemical Society, 2020, 167, 086501.	1.3	14
35	Multi-functional NiS2/FeS2/N-doped carbon nanorods derived from metal-organic frameworks with fast reaction kinetics for high performance overall water splitting and lithium-ion batteries. Journal of Power Sources, 2019, 436, 226857.	4.0	36
36	ZIF-assisted construction of magnetic multiple core-shell Fe3O4@ZnO@N-doped carbon composites for effective photocatalysis. Chemical Engineering Science, 2019, 209, 115185.	1.9	27

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37	Highâ€Quality Ruddlesdenâ€“Popper Perovskite Films Based on In Situ Formed Organic Spacer Cations. Advanced Materials, 2019, 31, e1904243.	11.1	35
38	Electron Beamâ€Induced Microstructural Evolution of SnS₂ Quantum Dots Assembled on Nâ€Doped Graphene Nanosheets with Enhanced Photocatalytic Activity. Advanced Materials Interfaces, 2019, 6, 1801759.	1.9	9
39	Environmentally benign synthesis of Co3O4-SnO2 heteronanorods with efficient photocatalytic performance activated by visible light. Journal of Colloid and Interface Science, 2019, 542, 460-468.	5.0	49
40	Porous ZnO/Co₃O₄/N-doped carbon nanocages synthesized via pyrolysis of complex metalâ€“organic framework (MOF) hybrids as an advanced lithium-ion battery anode. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 969-978.	0.2	13
41	Unveiling the synergistic effect of precursor stoichiometry and interfacial reactions for perovskite light-emitting diodes. Nature Communications, 2019, 10, 2818.	5.8	129
42	Construction of SnS₂â€“SnO₂ heterojunctions decorated on graphene nanosheets with enhanced visible-light photocatalytic performance. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 812-821.	0.2	4
43	MoS2 nanosheets inlaid in 3D fibrous N-doped carbon spheres for lithium-ion batteries and electrocatalytic hydrogen evolution reaction. Carbon, 2019, 150, 363-370.	5.4	48
44	A red-emissive mitochondrial probe for imaging of the viscosity in living cells. New Journal of Chemistry, 2019, 43, 8811-8815.	1.4	23
45	Ratiometric fluorogenic determination of endogenous hypochlorous acid in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 232-239.	2.0	20
46	Hybrid Rhodamine Fluorophores in the Visible/NIR Region for Biological Imaging. Angewandte Chemie - International Edition, 2019, 58, 14026-14043.	7.2	224
47	Rational molecular passivation for high-performance perovskite light-emitting diodes. Nature Photonics, 2019, 13, 418-424.	15.6	970
48	Convenient fabrication of Ni-doped SnO2 quantum dots with improved photodegradation performance for Rhodamine B. Journal of Alloys and Compounds, 2019, 788, 929-935.	2.8	34
49	Hybrid Rhodamine Fluorophores in the Visible/NIR Region for Biological Imaging. Angewandte Chemie, 2019, 131, 14164-14181.	1.6	30
50	Gasotransmitter Regulation of Phosphatase Activity in Live Cells Studied by Threeâ€Channel Imaging Correlation. Angewandte Chemie - International Edition, 2019, 58, 2261-2265.	7.2	50
51	Colloid synthesis of CuFeSe2 nanocubes as efficient electrocatalysts for dye-sensitized solar cells. Journal of Electroanalytical Chemistry, 2019, 834, 26-32.	1.9	15
52	Insight into efficient pollutant degradation from paramorphic SnO2 hierarchical superstructures. Journal of Alloys and Compounds, 2019, 776, 287-296.	2.8	5
53	Gasotransmitter Regulation of Phosphatase Activity in Live Cells Studied by Threeâ€Channel Imaging Correlation. Angewandte Chemie, 2019, 131, 2283-2287.	1.6	5
54	Construction of Ni-doped SnO2-SnS2 heterojunctions with synergistic effect for enhanced photodegradation activity. Journal of Hazardous Materials, 2019, 368, 204-213.	6.5	48

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55	Real-time visualizing the regulation of reactive oxygen species on Zn2+ release in cellular lysosome by a specific fluorescent probe. Sensors and Actuators B: Chemical, 2018, 264, 419-425.	4.0	14
56	Encapsulating CoS₂â€“CoSe₂ heterostructured nanocrystals in N-doped carbon nanocubes as highly efficient counter electrodes for dye-sensitized solar cells. Dalton Transactions, 2018, 47, 5236-5244.	1.6	41
57	A reversible and highly selective two-photon fluorescent â€œonâ€“offâ€“onâ€•probe for biological Cu²⁺ detection. Organic and Biomolecular Chemistry, 2018, 16, 2264-2268.	1.5	21
58	Prussian blue-derived synthesis of uniform nanoflakes-assembled NiS₂ hierarchical microspheres as highly efficient electrocatalysts in dye-sensitized solar cells. RSC Advances, 2018, 8, 5992-6000.	1.7	20
59	Air-Stable Gadolinium Precursors for the Facile Microwave-Assisted Synthesis of Gd₂O₃ Nanocontrast Agents for Magnetic Resonance Imaging. Crystal Growth and Design, 2018, 18, 633-641.	1.4	7
60	Selective detections of Hg2+ and Fâ¯ by using tailor-made fluorogenic probes. Sensors and Actuators B: Chemical, 2018, 269, 368-376.	4.0	19
61	A novel Schiff base derivative: Synthesis, two-photon absorption properties and application for bioimaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 198, 304-308.	2.0	8
62	Mitochondria-targeted iridium (III) complexes as two-photon fluorogenic probes of cysteine/homocysteine. Sensors and Actuators B: Chemical, 2018, 255, 408-415.	4.0	22
63	BiOBr hybrids for organic pollutant removal by the combined treatments of adsorption and photocatalysis. RSC Advances, 2018, 8, 32368-32376.	1.7	14
64	A water-soluble â€œturn-onâ€•fluorescent probe for specifically imaging mitochondria viscosity in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 203, 127-131.	2.0	22
65	Highlights on advances in SnO₂ quantum dots: insights into synthesis strategies, modifications and applications. Materials Research Letters, 2018, 6, 462-488.	4.1	31
66	Cerium oxide nanoparticles with antioxidant capabilities and gadolinium integration for MRI contrast enhancement. Scientific Reports, 2018, 8, 6999.	1.6	111
67	Enhancing lithium-ion batteries performance via electron-beam irradiation strategies: A case study of graphene aerogels loaded with SnO2 quantum dots. Electrochimica Acta, 2018, 281, 769-776.	2.6	13
68	Magnetic SN-functionalized diatomite for effective removals of phenols. International Journal of Mineral Processing, 2017, 162, 1-5.	2.6	24
69	Improving the catalytic performance of Ni 3 S 4 -PtCo heteronanorods via Mott-Schottky effect toward the reduction of iodine couples in dye-sensitized solar cells. Electrochimica Acta, 2017, 241, 89-97.	2.6	47
70	Two-Photon Active Organotin(IV) Carboxylate Complexes for Visualization of Anticancer Action. ACS Biomaterials Science and Engineering, 2017, 3, 836-842.	2.6	40
71	Effect of Aging Time on the Characteristics and Photocatalysis of Zn2+-Doped CTAB@BiOCl. Nano, 2017, 12, 1750106.	0.5	2
72	Synergistically Enhanced Electrochemical Performance of Ni3S4â€“PtX (X = Fe, Ni) Heteronanorods as Heterogeneous Catalysts in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 27607-27617.	4.0	32

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73	Organically-modified magnesium silicate nanocomposites for high-performance heavy metal removal. RSC Advances, 2016, 6, 97523-97531.	1.7	16
74	A TPA-caged precursor of (imino)coumarin for â€œturn-onâ€•fluorogenic detection of Cu+. Analytica Chimica Acta, 2016, 933, 189-195.	2.6	24
75	Nonlinear optical response and two-photon biological applications of a new family of imidazole-pyrimidine derivatives. Dyes and Pigments, 2016, 126, 286-295.	2.0	17
76	A logic gate-based fluorogenic probe for Hg2+ detection and its applications in cellular imaging. Analytica Chimica Acta, 2016, 919, 85-93.	2.6	38
77	Effects of soluble sulfide on zebrafish (Danio rerio) embryonic development. Environmental Toxicology and Pharmacology, 2016, 42, 183-189.	2.0	9
78	Design, synthesis, linear and nonlinear photophysical properties of novel pyrimidine-based imidazole derivatives. New Journal of Chemistry, 2016, 40, 3456-3463.	1.4	31
79	CTAB@BiOCl: a highly adsorptive photocatalyst for eliminating dye contamination. RSC Advances, 2016, 6, 18577-18582.	1.7	18
80	A new ratiometric fluorescent chemodosimeter based on an ICT modulation for the detection of Hg2+. Sensors and Actuators B: Chemical, 2016, 230, 639-644.	4.0	55
81	NIR-region two-photon fluorescent probes for Fe3+/Cu2+ ions based on pyrimidine derivatives with different flexible chain. Sensors and Actuators B: Chemical, 2016, 222, 574-578.	4.0	17
82	Magnetic solid-phase extraction of trace-level mercury(II) ions using magnetic core-shell nanoparticles modified with thiourea-derived chelating agents. Mikrochimica Acta, 2015, 182, 1337-1344.	2.5	33
83	A series of Zn(<scp>ii</scp>) terpyridine complexes with enhanced two-photon-excited fluorescence for in vitro and in vivo bioimaging. Journal of Materials Chemistry B, 2015, 3, 7213-7221.	2.9	34
84	Magneto-fluorescent nanoparticles with high-intensity NIR emission, T₁- and T₂-weighted MR for multimodal specific tumor imaging. Journal of Materials Chemistry B, 2015, 3, 3072-3080.	2.9	31
85	Coordination polymers for energy transfer: Preparations, properties, sensing applications, and perspectives. Coordination Chemistry Reviews, 2015, 284, 206-235.	9.5	361
86	One-step synthesis of water-dispersible ultra-small Fe3O4 nanoparticles as contrast agents for T1 and T2 magnetic resonance imaging. Nanoscale, 2014, 6, 2953.	2.8	115
87	A facile â€œclickâ€•reaction to fabricate a FRET-based ratiometric fluorescent Cu2+ probe. Journal of Materials Chemistry B, 2014, 2, 4467.	2.9	71
88	A rhodamine-based fluorescent probe for Hg2+ and its application for biological visualization. Sensors and Actuators B: Chemical, 2014, 203, 452-458.	4.0	40
89	Highly Waterâ€Dispersible Surfaceâ€Modified Gd₂O₃ Nanoparticles for Potential Dualâ€Modal Bioimaging. Chemistry - A European Journal, 2013, 19, 12658-12667.	1.7	35
90	A multifunctional magnetic hybrid synthesized for adsorption of environmental contaminants. RSC Advances, 2012, 2, 10836.	1.7	5

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91	Well-defined surface ion-imprinted magnetic microspheres for facile onsite monitoring of lead ions at trace level in water. Analytical Methods, 2012, 4, 3095.	1.3	19
92	Optimization of ethylenediamine-grafted multiwalled carbon nanotubes for solid-phase extraction of lead cations. Environmental Science and Pollution Research, 2012, 19, 1237-1244.	2.7	19
93	Modeling and mechanism of the adsorption of proton onto natural bamboo sawdust. Carbohydrate Polymers, 2012, 87, 1199-1205.	5.1	34
94	Modeling and mechanism of the adsorption of copper ion onto natural bamboo sawdust. Carbohydrate Polymers, 2012, 89, 185-192.	5.1	40
95	Novel phenyl-iminodiacetic acid grafted multiwalled carbon nanotubes for solid phase extraction of iron, copper and lead ions from aqueous medium. Mikrochimica Acta, 2012, 176, 359-366.	2.5	37
96	Efficient two-photon-sensitized luminescence of a novel europium(iii) Î²-diketonate complex and application in biological imaging. Chemical Communications, 2011, 47, 12467.	2.2	50
97	Solid-phase extraction of lead(II) ions using multiwalled carbon nanotubes grafted with tris(2-aminoethyl)amine. Mikrochimica Acta, 2011, 174, 107-113.	2.5	42
98	Nanoscale Lightâ€Harvesting Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2011, 50, 5729-5733.	7.2	138
99	Three Asymmetrical Conjugated D-Ï€-D' Sulfur-Containing Chromophores with a Focus on Two-Photon Absorption. Australian Journal of Chemistry, 2011, 64, 174.	0.5	4
100	Formation of shaped barium sulfate-dye hybrids: waste dye utilization for eco-friendly treatment of wastewater. Environmental Science and Pollution Research, 2010, 17, 78-83.	2.7	19
101	Multi-carbazole derivatives for two-photon absorption data storage: Synthesis, optical properties and theoretical calculation. Science China Chemistry, 2010, 53, 884-890.	4.2	7
102	Preparation of dye waste-barium sulfate hybrid adsorbent and application in organic wastewater treatment. Journal of Hazardous Materials, 2010, 175, 179-186.	6.5	15
103	Two novel Ï€-conjugated carbazole derivatives with blue two-photon-excited fluorescence. Chemical Physics, 2009, 355, 91-98.	0.9	19
104	Design and Synthesis of Two New Two-Photon Absorbing Pyridine Salts as Ligands and Their Rare Earth Complexes. Crystal Growth and Design, 2009, 9, 1499-1504.	1.4	26
105	A novel europium(iii) complex with versatility in excitation ranging from infrared to ultraviolet. Physical Chemistry Chemical Physics, 2009, 11, 5119.	1.3	35
106	Synthesis, Structures, and Optical Properties of Two Novel Two-Photon Initiators Derived from 2,2â€²:6â€²,2â€³-Terpyridine. Bulletin of the Chemical Society of Japan, 2007, 80, 986-993.	2.0	28
107	Synthesis, Crystal Structures, and Photoluminescence of a Series of Coordination Polymers with Two Homologous Functional Flexible Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 1854-1866.	1.0	20
108	Synthesis and optical properties of two 2,2â€²: 6â€²,2â€³-Terpyridyl-based two-photon initiators. Journal of Molecular Structure, 2007, 839, 50-57.	1.8	32

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109	Synthesis, structures and photoluminescence of thiocyanate bridged metal-organic polymers containing functional imidazole ligand. Polyhedron, 2007, 26, 1338-1346.	1.0	28
110	Synthesis and two-photon optical characterization of Dâ€“Ï€â€“D type Schiff bases. Journal of Luminescence, 2007, 127, 423-430.	1.5	15
111	A new ligand for the formation of a 3D structure by significant Câ€“Hâ‹¯S hydrogen bonds and Ï€â€“Ï€ interactions. Inorganic Chemistry Communication, 2006, 9, 90-92.	1.8	23
112	Crystal structures, optical properties and theoretical calculation of novel two-photon polymerization initiators. Chemical Physics, 2006, 322, 459-470.	0.9	26
113	A novel 2D double helix cadmium(II) coordination polymer: synthesis, crystal structures and luminescence properties. Journal of Molecular Structure, 2005, 743, 93-96.	1.8	17
114	Synthesis, Crystal Structures and Photoluminescence of Mercury(II) Complexes with Two Homologous Novel Functional Rigid Ligands. European Journal of Inorganic Chemistry, 2005, 2005, 4976-4984.	1.0	45
115	Synthesis, Crystal Structure and NLO Properties of a Novel Ruthenium(II) Complex with Unusual Coordination Mode. Transition Metal Chemistry, 2005, 30, 778-785.	0.7	24
116	Tetraiodophenolsulfonphthalein as a spectral substitute to characterize the complexation between cationic and anionic surfactant. Journal of Colloid and Interface Science, 2004, 279, 244-252.	5.0	7
117	Investigation of biomacromolecular assembly: replacement occurring on proteins. Chemical Physics Letters, 2003, 376, 251-258.	1.2	14