

Chuanxi Wang

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.

89

papers

3,369

citations

32

h-index

56

g-index

95

ext. papers

3,911

ext. citations

6.8

avg, IF

5.43

L-index

#	Paper	IF	Citations
89	Mechanisms of growth-promotion and Se-enrichment in Brassica chinensis L. by selenium nanomaterials: beneficial rhizosphere microorganisms, nutrient availability, and photosynthesis. <i>Environmental Science: Nano</i> , 2022 , 9, 302-312	7.1	3
88	Foliar-applied cerium oxide nanomaterials improve maize yield under salinity stress: Reactive oxygen species homeostasis and rhizobacteria regulation.. <i>Environmental Pollution</i> , 2022 , 299, 118900	9.3	1
87	Multiomics understanding of improved quality in cherry radish (<i>Raphanus sativus</i> L. var. radculus pers) after foliar application of selenium nanomaterials.. <i>Science of the Total Environment</i> , 2022 , 153712	10.2	2
86	Selenium content and nutritional quality of Brassica chinensis L enhanced by selenium engineered nanomaterials: The role of surface charge. <i>Environmental Pollution</i> , 2022 , 119582	9.3	0
85	Fluorescent g-CN nanosheets enhanced photosynthetic efficiency in maize.. <i>NanoImpact</i> , 2021 , 24, 100363	6.3	1
84	Nitrogen-doped carbon dots alleviate the damage from tomato bacterial wilt syndrome: systemic acquired resistance activation and reactive oxygen species scavenging. <i>Environmental Science: Nano</i> , 2021 , 8, 3806-3819	7.1	2
83	Foliar carbon dot amendment modulates carbohydrate metabolism, rhizospheric properties and drought tolerance in maize seedling. <i>Science of the Total Environment</i> , 2021 , 809, 151105	10.2	5
82	The molecular mechanisms of silica nanomaterials enhancing the rice (<i>Oryza sativa</i> L.) resistance to planthoppers (<i>Nilaparvata lugens</i> Stal). <i>Science of the Total Environment</i> , 2021 , 767, 144967	10.2	4
81	Downregulation of the photosynthetic machinery and carbon storage signaling pathways mediate LaO nanoparticle toxicity on radish taproot formation. <i>Journal of Hazardous Materials</i> , 2021 , 411, 124971	12.8	6
80	Elemental Sulfur Nanoparticles Enhance Disease Resistance in Tomatoes. <i>ACS Nano</i> , 2021 ,	16.7	15
79	Nitrogen-Doped Carbon Dots Increased Light Conversion and Electron Supply to Improve the Corn Photosystem and Yield. <i>Environmental Science & Technology</i> , 2021 , 55, 12317-12325	10.3	15
78	CuO nanoparticles doping recovered the photocatalytic antialgal activity of graphitic carbon nitride. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123621	12.8	11
77	Copper nanoclusters promote tomato (<i>Solanum lycopersicum</i> L.) yield and quality through improving photosynthesis and roots growth. <i>Environmental Pollution</i> , 2021 , 289, 117912	9.3	5
76	Facile Morphology-Tunable Preparation of CuS@MoS ₂ Heterostructures Based on Template Solvothermal Method. <i>ChemistrySelect</i> , 2020 , 5, 360-368	1.8	2
75	synthesis of stretchable and highly stable multi-color carbon-dots/polyurethane composite films for light-emitting devices.. <i>RSC Advances</i> , 2020 , 10, 1281-1286	3.7	3
74	Photosynthetic response mechanisms in typical C ₃ and C ₄ plants upon La ₂ O ₃ nanoparticle exposure. <i>Environmental Science: Nano</i> , 2020 , 7, 81-92	7.1	16
73	High Stability and Strong Fluorescence of Carbon Nanodots as Nanosensor for Hg in Environmental Waters. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020 , 104, 57-63	2.7	2

72	Metal Nanoclusters-Based Ratiometric Fluorescent Probes from Design to Sensing Applications. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1900298	3.1	12
71	Temperature-controlled spectral tuning of full-color carbon dots and their strongly fluorescent solid-state polymer composites for light-emitting diodes. <i>Nanoscale Advances</i> , 2019 , 1, 1413-1420	5.1	28
70	A dual emission nanocomposite prepared from copper nanoclusters and carbon dots as a ratiometric fluorescent probe for sulfide and gaseous H ₂ S. <i>Mikrochimica Acta</i> , 2019 , 186, 258	5.8	19
69	An acetone gas sensor based on nanosized Pt-loaded Fe ₂ O ₃ nanocubes. <i>Sensors and Actuators B: Chemical</i> , 2019 , 290, 59-67	8.5	104
68	Variety-dependent responses of rice plants with differential cadmium accumulating capacity to cadmium telluride quantum dots (CdTe QDs): Cadmium uptake, antioxidative enzyme activity, and gene expression. <i>Science of the Total Environment</i> , 2019 , 697, 134083	10.2	9
67	Metal Nanoclusters: Metal Nanoclusters-Based Ratiometric Fluorescent Probes from Design to Sensing Applications (Part. Part. Syst. Charact. 11/2019). <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1970031	3.1	1
66	Large-scale synthesis of dual-emitting-based visualization sensing paper for humidity and ethanol detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 9-15	8.5	15
65	MoS ₂ -QD-Based Dual-Model Photoluminescence Sensing Platform for Effective Determination of Al ³⁺ and Fe ³⁺ Simultaneously in Various Environment. <i>ChemistrySelect</i> , 2018 , 3, 2326-2331	1.8	15
64	Simple surface-assisted formation of palladium nanoparticles on polystyrene microspheres and their application in catalysis. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1133-1138	6.8	10
63	Gold-Cluster-Based Dual-Emission Nanocomposite Film as Ratiometric Fluorescent Sensing Paper for Specific Metal Ion. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1700471	3.1	18
62	d-Penicillamine-coated Cu/Ag alloy nanocluster superstructures: aggregation-induced emission and tunable photoluminescence from red to orange. <i>Nanoscale</i> , 2018 , 10, 1631-1640	7.7	35
61	A facile strategy for the synthesis of ferroferric oxide/titanium dioxide/molybdenum disulfide heterostructures as a magnetically separable photocatalyst under visible-light. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 138-144	9.3	10
60	Red-emitting and highly stable carbon dots with dual response to pH values and ferric ions. <i>Mikrochimica Acta</i> , 2018 , 185, 83	5.8	69
59	Yellow-emitting carbon-dots-impregnated carboxy methyl cellulose/poly-vinyl-alcohol and chitosan: stable, freestanding, enhanced-quenching Cu ²⁺ -ions sensor. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4508-4515	7.1	31
58	Concentration-dependent color tunability of nitrogen-doped carbon dots and their application for iron(III) detection and multicolor bioimaging. <i>Journal of Colloid and Interface Science</i> , 2018 , 521, 33-41	9.3	56
57	Polycation-functionalized gold nanodots with tunable near-infrared fluorescence for simultaneous gene delivery and cell imaging. <i>Nano Research</i> , 2018 , 11, 2392-2404	10	15
56	Morphology-controlled synthesis of TiO ₂ /MoS ₂ nanocomposites with enhanced visible-light photocatalytic activity. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 145-152	6.8	29
55	Surface state-controlled C-dot/C-dot based dual-emission fluorescent nanothermometers for intra-cellular thermometry. <i>Nanoscale</i> , 2018 , 10, 21809-21817	7.7	16

54	Holey Sheets of Interconnected Carbon-Coated Nickel Nitride Nanoparticles as Highly Active and Durable Oxygen Evolution Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6774-6780	6.1	23
53	Large-Scale Synthesis of Flexible, Stable, and Transparent MoS ₂ Quantum Dots-Polyvinyl Alcohol Sensing Film. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800189	3.1	2
52	Ratiometric fluorescence detection of trace water in organic solvents based on aggregation-induced emission enhanced Cu nanoclusters. <i>Analyst, The</i> , 2018 , 143, 3068-3074	5	40
51	Non-injection and one-pot approach to CdSe: Eu ³⁺ hybrid nanocrystals with tunable photoluminescence from green to red. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	3
50	On-off-on gold nanocluster-based near infrared fluorescent probe for recognition of Cu(II) and vitamin C. <i>Mikrochimica Acta</i> , 2017 , 184, 1315-1324	5.8	25
49	Tunable near-infrared fluorescent gold nanoclusters: temperature sensor and targeted bioimaging. <i>New Journal of Chemistry</i> , 2017 , 41, 5412-5419	3.6	26
48	One-step synthesis of water-soluble and highly fluorescent MoS ₂ quantum dots for detection of hydrogen peroxide and glucose. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 183-190	8.5	60
47	Facile fabrication of PS/Fe ₃ O ₄ @PANi nanocomposite particles and their application for the effective removal of Cu ²⁺ . <i>New Journal of Chemistry</i> , 2017 , 41, 14137-14144	3.6	11
46	A simple and general approach for the decoration of interior surfaces of silica hollow microspheres with noble metal nanoparticles and their application in catalysis. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1634-1641	6.8	13
45	Stable Fluorescence of Green-Emitting Carbon Nanodots as a Potential Nanothermometer in Biological Media. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600197	3.1	13
44	Stable Ag nanoclusters-based nano-sensors: Rapid sonochemical synthesis and detecting Pb ²⁺ in living cells. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 1136-1143	8.5	34
43	Green Synthesis of Red-Emitting Carbon Nanodots as a Novel "Turn-on" Nanothermometer in Living Cells. <i>Chemistry - A European Journal</i> , 2016 , 22, 14475-9	4.8	74
42	Biocompatible Glutathione Capped Functionalized Carbon Dots as Nanosensors for the Detection of Silver Nanoparticles in Aqueous Solution and Human Cells as well as Bacterial Cells. <i>ChemistrySelect</i> , 2016 , 1, 4092-4100	1.8	4
41	Fluorescence-Magnetism Functional EuS Nanocrystals with Controllable Morphologies for Dual Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33539-33545	9.5	12
40	Glutathione modified carbon-dots: from aggregation-induced emission enhancement properties to a turn-on sensing of temperature/Fe ³⁺ ions in cells. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 514-522	6.8	51
39	One-Step Fabrication of Fluorescent Carbon Dots for Selective and Sensitive Detection of Cr (VI) in Living Cells. <i>Nano</i> , 2016 , 11, 1650012	1.1	7
38	Tunable Carbon-Dot-Based Dual-Emission Fluorescent Nanohybrids for Ratiometric Optical Thermometry in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6621-8	9.5	139
37	Controlled Formation of TiO ₂ /MoS ₂ Core-shell Heterostructures with Enhanced Visible-Light Photocatalytic Activities. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 221-227	3.1	37

36	Dual-emitting quantum dot/carbon nanodot-based nanoprobe for selective and sensitive detection of Fe(3+) in cells. <i>Analyst, The</i> , 2016 , 141, 4488-94	5	22
35	Rapid Sonochemical Synthesis of Luminescent and Paramagnetic Copper Nanoclusters for Bimodal Bioimaging. <i>ChemNanoMat</i> , 2015 , 1, 27-31	3.5	43
34	Fluorescent small Au nanodots prepared from large Ag nanoparticles for targeting and imaging cancer cells. <i>RSC Advances</i> , 2015 , 5, 52088-52094	3.7	7
33	Facile sonochemical synthesis of pH-responsive copper nanoclusters for selective and sensitive detection of Pb(2+) in living cells. <i>Analyst, The</i> , 2015 , 140, 5634-9	5	89
32	Gold nanoclusters based dual-emission hollow TiO ₂ microsphere for ratiometric optical thermometry. <i>RSC Advances</i> , 2015 , 5, 61586-61592	3.7	16
31	Polyethyleneimine-Functionalized Fluorescent Carbon Dots: Water Stability, pH Sensing, and Cellular Imaging. <i>ChemNanoMat</i> , 2015 , 1, 122-127	3.5	91
30	Colloidal synthesis of MoS ₂ quantum dots: size-dependent tunable photoluminescence and bioimaging. <i>New Journal of Chemistry</i> , 2015 , 39, 8492-8497	3.6	131
29	Nanoclusters prepared from a silver/gold alloy as a fluorescent probe for selective and sensitive determination of lead(II). <i>Mikrochimica Acta</i> , 2015 , 182, 695-701	5.8	36
28	Gold nanoparticle-enhanced near infrared fluorescent nanocomposites for targeted bio-imaging. <i>RSC Advances</i> , 2015 , 5, 20-26	3.7	23
27	A hydrothermal route to water-stable luminescent carbon dots as nanosensors for pH and temperature. <i>Carbon</i> , 2015 , 82, 87-95	10.4	312
26	Carbon Dots: Large Scale Synthesis of Highly Stable Fluorescent Carbon Dots Using Silica Spheres as Carriers for Targeted Bioimaging of Cancer Cells (Part. Part. Syst. Charact. 10/2015). <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 980-980	3.1	
25	Microwave-Assisted Rapid Synthesis of Amphibious Yellow Fluorescent Carbon Dots as a Colorimetric Nanosensor for Cr(VI). <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 1058-1062	3.1	40
24	Large Scale Synthesis of Highly Stable Fluorescent Carbon Dots Using Silica Spheres as Carriers for Targeted Bioimaging of Cancer Cells. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 944-951	3.1	19
23	One-step hydrothermal synthesis of flowerlike MoS ₂ /CdS heterostructures for enhanced visible-light photocatalytic activities. <i>RSC Advances</i> , 2015 , 5, 15621-15626	3.7	56
22	ONE-STEP SYNTHESIS OF BIOCOMPATIBLE CHITOSAN/NaGdF ₄ :Eu ³⁺ NANOCOMPOSITE WITH FLUORESCENT AND MAGNETIC PROPERTIES FOR BIOIMAGING. <i>Nano</i> , 2014 , 09, 1450007	1.1	1
21	Protein-directed synthesis of pH-responsive red fluorescent copper nanoclusters and their applications in cellular imaging and catalysis. <i>Nanoscale</i> , 2014 , 6, 1775-81	7.7	194
20	Robust diamond meshes with unique wettability properties. <i>Chemical Communications</i> , 2014 , 50, 2900-358		33
19	Interfacing a tetraphenylethene derivative and a smart hydrogel for temperature-dependent photoluminescence with sensitive thermoresponse. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4658-7	8.5	45

18	Near infrared Ag/Au alloy nanoclusters: tunable photoluminescence and cellular imaging. <i>Journal of Colloid and Interface Science</i> , 2014 , 416, 274-9	9.3	56
17	ONE-STEP COLLOID CHEMICAL ROUTE TO PREPARE HETEROSTRUCTURE EuSe/Ag NANOPARTICLES FOR LUMINESCENCE RESONANCE ENERGY TRANSFER SENSORS. <i>Nano</i> , 2014 , 09, 1450030	11.1	10
16	Papain-directed synthesis of luminescent gold nanoclusters and the sensitive detection of Cu ²⁺ . <i>Journal of Colloid and Interface Science</i> , 2013 , 396, 63-8	9.3	95
15	A galvanic replacement route to prepare strongly fluorescent and highly stable gold nanodots for cellular imaging. <i>Small</i> , 2013 , 9, 413-20	11	94
14	Tunable luminescence in full color region based on CdSe/EuxSey hybrid nanocrystals. <i>RSC Advances</i> , 2013 , 3, 22849	3.7	6
13	Ultrahydrophobicity of ZnO modified CVD diamond films. <i>Applied Surface Science</i> , 2013 , 270, 260-266	6.7	7
12	A novel fluorescent polymer brushes film as a device for ultrasensitive detection of TNT. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1201-1206	13	28
11	Centrifugation-induced water-tunable photonic colloidal crystals with narrow diffraction bandwidth and highly sensitive detection of SCN ⁻ . <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1990-8.5	8.5	36
10	Facile aqueous-phase synthesis of biocompatible and fluorescent Ag ₂ S nanoclusters for bioimaging: tunable photoluminescence from red to near infrared. <i>Small</i> , 2012 , 8, 3137-42	11	127
9	Fluorescent silver nanoclusters as effective probes for highly selective detection of mercury(II) at parts-per-billion levels. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1652-6	4.5	73
8	Divalent europium nanocrystals: controllable synthesis, properties, and applications. <i>ChemPhysChem</i> , 2012 , 13, 3765-72	3.2	12
7	A Simple Reducing Approach Using Amine To Give Dual Functional EuSe Nanocrystals and Morphological Tuning. <i>Angewandte Chemie</i> , 2011 , 123, 7729-7733	3.6	7
6	A simple reducing approach using amine to give dual functional EuSe nanocrystals and morphological tuning. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7587-91	16.4	57
5	Photoluminescent smart hydrogels with reversible and linear thermoresponses. <i>Small</i> , 2010 , 6, 2673-7	11	56
4	Preparation of raspberry-like polypyrrole composites with applications in catalysis. <i>Journal of Colloid and Interface Science</i> , 2009 , 338, 573-7	9.3	64
3	Patterns of conducting polypyrrole with tunable morphologies. <i>Polymer</i> , 2009 , 50, 3938-3942	3.9	9
2	Facile approach in fabricating superhydrophobic and superoleophilic surface for water and oil mixture separation. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2613-7	9.5	316
1	Nanomaterial-induced modulation of hormonal pathways enhances plant cell growth. <i>Environmental Science: Nano</i> ,	7.1	1

