

# Chuanxi Wang

## List of Publications by Citations

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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	Facile approach in fabricating superhydrophobic and superoleophilic surface for water and oil mixture separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 2613-7	9.5	316
88	A hydrothermal route to water-stable luminescent carbon dots as nanosensors for pH and temperature. <i>Carbon</i> , <b>2015</b> , 82, 87-95	10.4	312
87	Protein-directed synthesis of pH-responsive red fluorescent copper nanoclusters and their applications in cellular imaging and catalysis. <i>Nanoscale</i> , <b>2014</b> , 6, 1775-81	7.7	194
86	Tunable Carbon-Dot-Based Dual-Emission Fluorescent Nanohybrids for Ratiometric Optical Thermometry in Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6621-8	9.5	139
85	Colloidal synthesis of MoS <sub>2</sub> quantum dots: size-dependent tunable photoluminescence and bioimaging. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8492-8497	3.6	131
84	Facile aqueous-phase synthesis of biocompatible and fluorescent Ag <sub>2</sub> S nanoclusters for bioimaging: tunable photoluminescence from red to near infrared. <i>Small</i> , <b>2012</b> , 8, 3137-42	11	127
83	An acetone gas sensor based on nanosized Pt-loaded Fe <sub>2</sub> O <sub>3</sub> nanocubes. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 290, 59-67	8.5	104
82	Papain-directed synthesis of luminescent gold nanoclusters and the sensitive detection of Cu <sup>2+</sup> . <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 396, 63-8	9.3	95
81	A galvanic replacement route to prepare strongly fluorescent and highly stable gold nanodots for cellular imaging. <i>Small</i> , <b>2013</b> , 9, 413-20	11	94
80	Polyethyleneimine-Functionalized Fluorescent Carbon Dots: Water Stability, pH Sensing, and Cellular Imaging. <i>ChemNanoMat</i> , <b>2015</b> , 1, 122-127	3.5	91
79	Facile sonochemical synthesis of pH-responsive copper nanoclusters for selective and sensitive detection of Pb(2+) in living cells. <i>Analyst, The</i> , <b>2015</b> , 140, 5634-9	5	89
78	Green Synthesis of Red-Emitting Carbon Nanodots as a Novel "Turn-on" Nanothermometer in Living Cells. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14475-9	4.8	74
77	Fluorescent silver nanoclusters as effective probes for highly selective detection of mercury(II) at parts-per-billion levels. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1652-6	4.5	73
76	Red-emitting and highly stable carbon dots with dual response to pH values and ferric ions. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 83	5.8	69
75	Preparation of raspberry-like polypyrrole composites with applications in catalysis. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 338, 573-7	9.3	64
74	One-step synthesis of water-soluble and highly fluorescent MoS <sub>2</sub> quantum dots for detection of hydrogen peroxide and glucose. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 252, 183-190	8.5	60
73	A simple reducing approach using amine to give dual functional EuSe nanocrystals and morphological tuning. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7587-91	16.4	57

72	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> , <b>2018</b> , 521, 33-41	9.3	56
71	Near infrared Ag/Au alloy nanoclusters: tunable photoluminescence and cellular imaging. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 416, 274-9	9.3	56
70	One-step hydrothermal synthesis of flowerlike MoS <sub>2</sub> /CdS heterostructures for enhanced visible-light photocatalytic activities. <i>RSC Advances</i> , <b>2015</b> , 5, 15621-15626	3.7	56
69	Photoluminescent smart hydrogels with reversible and linear thermoresponses. <i>Small</i> , <b>2010</b> , 6, 2673-7	11	56
68	Glutathione modified carbon-dots: from aggregation-induced emission enhancement properties to a turn-on sensing of temperature/Fe <sup>3+</sup> ions in cells. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 514-522	6.8	51
67	Interfacing a tetraphenylethene derivative and a smart hydrogel for temperature-dependent photoluminescence with sensitive thermoresponse. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4658-7	8.5	45
66	Rapid Sonochemical Synthesis of Luminescent and Paramagnetic Copper Nanoclusters for Bimodal Bioimaging. <i>ChemNanoMat</i> , <b>2015</b> , 1, 27-31	3.5	43
65	Microwave-Assisted Rapid Synthesis of Amphibious Yellow Fluorescent Carbon Dots as a Colorimetric Nanosensor for Cr(VI). <i>Particle and Particle Systems Characterization</i> , <b>2015</b> , 32, 1058-1062	3.1	40
64	Ratiometric fluorescence detection of trace water in organic solvents based on aggregation-induced emission enhanced Cu nanoclusters. <i>Analyst, The</i> , <b>2018</b> , 143, 3068-3074	5	40
63	Controlled Formation of TiO <sub>2</sub> /MoS <sub>2</sub> Core/Shell Heterostructures with Enhanced Visible-Light Photocatalytic Activities. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 221-227	3.1	37
62	Nanoclusters prepared from a silver/gold alloy as a fluorescent probe for selective and sensitive determination of lead(II). <i>Mikrochimica Acta</i> , <b>2015</b> , 182, 695-701	5.8	36
61	Centrifugation-induced water-tunable photonic colloidal crystals with narrow diffraction bandwidth and highly sensitive detection of SCN <sup>-</sup> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 1990-8	8.5	36
60	d-Penicillamine-coated Cu/Ag alloy nanocluster superstructures: aggregation-induced emission and tunable photoluminescence from red to orange. <i>Nanoscale</i> , <b>2018</b> , 10, 1631-1640	7.7	35
59	Stable Ag nanoclusters-based nano-sensors: Rapid sonochemical synthesis and detecting Pb <sup>2+</sup> in living cells. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 238, 1136-1143	8.5	34
58	Robust diamond meshes with unique wettability properties. <i>Chemical Communications</i> , <b>2014</b> , 50, 2900-3	5.8	33
57	Yellow-emitting carbon-dots-impregnated carboxy methyl cellulose/poly-vinyl-alcohol and chitosan: stable, freestanding, enhanced-quenching Cu <sup>2+</sup> -ions sensor. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4508-4515	7.1	31
56	Morphology-controlled synthesis of TiO <sub>2</sub> /MoS <sub>2</sub> nanocomposites with enhanced visible-light photocatalytic activity. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 145-152	6.8	29
55	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> , <b>2019</b> , 1, 1413-1420	5.1	28

54	A novel fluorescent polymer brushes film as a device for ultrasensitive detection of TNT. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1201-1206	13	28
53	Tunable near-infrared fluorescent gold nanoclusters: temperature sensor and targeted bioimaging. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 5412-5419	3.6	26
52	On-off-on gold nanocluster-based near infrared fluorescent probe for recognition of Cu(II) and vitamin C. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1315-1324	5.8	25
51	Gold nanoparticle-enhanced near infrared fluorescent nanocomposites for targeted bio-imaging. <i>RSC Advances</i> , <b>2015</b> , 5, 20-26	3.7	23
50	Holey Sheets of Interconnected Carbon-Coated Nickel Nitride Nanoparticles as Highly Active and Durable Oxygen Evolution Electrocatalysts. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6774-6780	6.1	23
49	Dual-emitting quantum dot/carbon nanodot-based nanoprobe for selective and sensitive detection of Fe(3+) in cells. <i>Analyst, The</i> , <b>2016</b> , 141, 4488-94	5	22
48	A dual emission nanocomposite prepared from copper nanoclusters and carbon dots as a ratiometric fluorescent probe for sulfide and gaseous H <sub>2</sub> S. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 258	5.8	19
47	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> , <b>2015</b> , 32, 944-951	3.1	19
46	Gold-Cluster-Based Dual-Emission Nanocomposite Film as Ratiometric Fluorescent Sensing Paper for Specific Metal Ion. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1700471	3.1	18
45	Gold nanoclusters based dual-emission hollow TiO <sub>2</sub> microsphere for ratiometric optical thermometry. <i>RSC Advances</i> , <b>2015</b> , 5, 61586-61592	3.7	16
44	Photosynthetic response mechanisms in typical C <sub>3</sub> and C <sub>4</sub> plants upon La <sub>2</sub> O <sub>3</sub> nanoparticle exposure. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 81-92	7.1	16
43	Surface state-controlled C-dot/C-dot based dual-emission fluorescent nanothermometers for intra-cellular thermometry. <i>Nanoscale</i> , <b>2018</b> , 10, 21809-21817	7.7	16
42	MoS <sub>2</sub> -QD-Based Dual-Model Photoluminescence Sensing Platform for Effective Determination of Al <sup>3+</sup> and Fe <sup>3+</sup> Simultaneously in Various Environment. <i>ChemistrySelect</i> , <b>2018</b> , 3, 2326-2331	1.8	15
41	Polycation-functionalized gold nanodots with tunable near-infrared fluorescence for simultaneous gene delivery and cell imaging. <i>Nano Research</i> , <b>2018</b> , 11, 2392-2404	10	15
40	Elemental Sulfur Nanoparticles Enhance Disease Resistance in Tomatoes. <i>ACS Nano</i> , <b>2021</b> ,	16.7	15
39	Nitrogen-Doped Carbon Dots Increased Light Conversion and Electron Supply to Improve the Corn Photosystem and Yield. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 12317-12325	10.3	15
38	Large-scale synthesis of dual-emitting-based visualization sensing paper for humidity and ethanol detection. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 282, 9-15	8.5	15
37	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> , <b>2017</b> , 4, 1634-1641	6.8	13

36	Stable Fluorescence of Green-Emitting Carbon Nanodots as a Potential Nanothermometer in Biological Media. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1600197	3.1	13
35	Metal NanoclustersBased Ratiometric Fluorescent Probes from Design to Sensing Applications. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1900298	3.1	12
34	Fluorescence-Magnetism Functional EuS Nanocrystals with Controllable Morphologies for Dual Bioimaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 33539-33545	9.5	12
33	Divalent europium nanocrystals: controllable synthesis, properties, and applications. <i>ChemPhysChem</i> , <b>2012</b> , 13, 3765-72	3.2	12
32	Facile fabrication of PS/Fe <sub>3</sub> O <sub>4</sub> @PANi nanocomposite particles and their application for the effective removal of Cu <sup>2+</sup> . <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 14137-14144	3.6	11
31	CuO nanoparticles doping recovered the photocatalytic antialgal activity of graphitic carbon nitride. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123621	12.8	11
30	Simple surface-assisted formation of palladium nanoparticles on polystyrene microspheres and their application in catalysis. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1133-1138	6.8	10
29	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> , <b>2018</b> , 516, 138-144	9.3	10
28	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> , <b>2019</b> , 697, 134083	10.2	9
27	Patterns of conducting polypyrrole with tunable morphologies. <i>Polymer</i> , <b>2009</b> , 50, 3938-3942	3.9	9
26	Fluorescent small Au nanodots prepared from large Ag nanoparticles for targeting and imaging cancer cells. <i>RSC Advances</i> , <b>2015</b> , 5, 52088-52094	3.7	7
25	One-Step Fabrication of Fluorescent Carbon Dots for Selective and Sensitive Detection of Cr (VI) in Living Cells. <i>Nano</i> , <b>2016</b> , 11, 1650012	1.1	7
24	Ultrahydrophobicity of ZnO modified CVD diamond films. <i>Applied Surface Science</i> , <b>2013</b> , 270, 260-266	6.7	7
23	A Simple Reducing Approach Using Amine To Give Dual Functional EuSe Nanocrystals and Morphological Tuning. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 7729-7733	3.6	7
22	Tunable luminescence in full color region based on CdSe/EuxSey hybrid nanocrystals. <i>RSC Advances</i> , <b>2013</b> , 3, 22849	3.7	6
21	Downregulation of the photosynthetic machinery and carbon storage signaling pathways mediate LaO nanoparticle toxicity on radish taproot formation. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 411, 124971	12.8	6
20	Foliar carbon dot amendment modulates carbohydrate metabolism, rhizospheric properties and drought tolerance in maize seedling. <i>Science of the Total Environment</i> , <b>2021</b> , 809, 151105	10.2	5
19	Copper nanoclusters promote tomato ( <i>Solanum lycopersicum</i> L.) yield and quality through improving photosynthesis and roots growth. <i>Environmental Pollution</i> , <b>2021</b> , 289, 117912	9.3	5

18	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> , <b>2016</b> , 1, 4092-4100	1.8	4
17	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> , <b>2021</b> , 767, 144967	10.2	4
16	Non-injection and one-pot approach to CdSe: Eu <sup>3+</sup> hybrid nanocrystals with tunable photoluminescence from green to red. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	3
15	Mechanisms of growth-promotion and Se-enrichment in <i>Brassica chinensis</i> L. by selenium nanomaterials: beneficial rhizosphere microorganisms, nutrient availability, and photosynthesis. <i>Environmental Science: Nano</i> , <b>2022</b> , 9, 302-312	7.1	3
14	synthesis of stretchable and highly stable multi-color carbon-dots/polyurethane composite films for light-emitting devices.. <i>RSC Advances</i> , <b>2020</b> , 10, 1281-1286	3.7	3
13	Facile Morphology-Tunable Preparation of CuS@MoS <sub>2</sub> Heterostructures Based on Template Solvothermal Method. <i>ChemistrySelect</i> , <b>2020</b> , 5, 360-368	1.8	2
12	Multimiomics understanding of improved quality in cherry radish ( <i>Raphanus sativus</i> L. var. <i>radculus</i> pers) after foliar application of selenium nanomaterials.. <i>Science of the Total Environment</i> , <b>2022</b> , 153712	10.2	2
11	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> , <b>2021</b> , 8, 3806-3819	7.1	2
10	High Stability and Strong Fluorescence of Carbon Nanodots as Nanosensor for Hg in Environmental Waters. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2020</b> , 104, 57-63	2.7	2
9	Large-Scale Synthesis of Flexible, Stable, and Transparent MoS <sub>2</sub> Quantum Dots-Polyvinyl Alcohol Sensing Film. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800189	3.1	2
8	ONE-STEP SYNTHESIS OF BIOCOMPATIBLE CHITOSAN/NaGdF <sub>4</sub> :Eu <sup>3+</sup> NANOCOMPOSITE WITH FLUORESCENT AND MAGNETIC PROPERTIES FOR BIOIMAGING. <i>Nano</i> , <b>2014</b> , 09, 1450007	1.1	1
7	Fluorescent g-CN nanosheets enhanced photosynthetic efficiency in maize.. <i>NanoImpact</i> , <b>2021</b> , 24, 100363	3.3	1
6	Foliar-applied cerium oxide nanomaterials improve maize yield under salinity stress: Reactive oxygen species homeostasis and rhizobacteria regulation.. <i>Environmental Pollution</i> , <b>2022</b> , 299, 118900	9.3	1
5	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> , <b>2019</b> , 36, 1970031	3.1	1
4	Nanomaterial-induced modulation of hormonal pathways enhances plant cell growth. <i>Environmental Science: Nano</i> ,	7.1	1
3	Selenium content and nutritional quality of <i>Brassica chinensis</i> L enhanced by selenium engineered nanomaterials: The role of surface charge. <i>Environmental Pollution</i> , <b>2022</b> , 119582	9.3	0
2	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> , <b>2015</b> , 32, 980-980	3.1	
1	ONE-STEP COLLOID CHEMICAL ROUTE TO PREPARE HETEROSTRUCTURE EuSe/Ag NANOPARTICLES FOR LUMINESCENCE RESONANCE ENERGY TRANSFER SENSORS. <i>Nano</i> , <b>2014</b> , 09, 1450030	1.1	1

