

# Bingxin Liu

## List of Publications by Year in descending order

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43  
papers

672  
citations

567281

15  
h-index

610901

24  
g-index

43  
all docs

43  
docs citations

43  
times ranked

998  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanotriangles-loaded filter paper for ultrasensitive SERS detection application benefited by interspacing of sharp edges. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 357-364.	7.8	92
2	Water-soluble Polymer Functionalized CdTe/ZnS Quantum Dots: A Facile Ratiometric Fluorescent Probe for Sensitive and Selective Detection of Nitroaromatic Explosives. <i>Chemistry - A European Journal</i> , 2014, 20, 2132-2137.	3.3	52
3	Conjugation of PPV functionalized mesoporous silica nanoparticles with graphene oxide for facile and sensitive fluorescence detection of TNT in water through FRET. <i>Dyes and Pigments</i> , 2014, 101, 122-129.	3.7	40
4	Luminescence properties and crystal structure of Sr <sub>3</sub> Sc(PO <sub>4</sub> ) <sub>3</sub> :Sm <sup>3+</sup> as novel orange-red emitting phosphors. <i>Journal of Luminescence</i> , 2017, 188, 54-59.	3.1	36
5	Temperature responsive polymer brushes grafted from graphene oxide: an efficient fluorescent sensing platform for 2,4,6-trinitrophenol. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7083-7092.	5.5	35
6	CdTe QDs functionalized mesoporous silica nanoparticles loaded with conjugated polymers: A facile sensing platform for cupric (II) ion detection in water through FRET. <i>Dyes and Pigments</i> , 2015, 113, 102-109.	3.7	32
7	A novel FRET-based fluorescent chemosensor of $\beta$ -cyclodextrin derivative for TNT detection in aqueous solution. <i>Journal of Luminescence</i> , 2014, 146, 502-507.	3.1	29
8	Wearable Sensor for Continuous Sweat Biomarker Monitoring. <i>Chemosensors</i> , 2022, 10, 273.	3.6	29
9	Effect of phosphoric acid content on the microstructure and compressive strength of phosphoric acid-based metakaolin geopolymers. <i>Heliyon</i> , 2020, 6, e03853.	3.2	28
10	Fluorescent mesoporous silica nanoparticles functionalized graphene oxide: A facile FRET-based ratiometric probe for Hg <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 181-189.	7.8	25
11	Conjugated polymer and spiro lactam rhodamine-B derivative co-functionalized mesoporous silica nanoparticles as the scaffold for the FRET-based ratiometric sensing of mercury (II) ions. <i>Microporous and Mesoporous Materials</i> , 2015, 208, 113-119.	4.4	23
12	Research Trends on Separation and Extraction of Rare Alkali Metal from Salt Lake Brine: Rubidium and Cesium. <i>Solvent Extraction and Ion Exchange</i> , 2020, 38, 753-776.	2.0	22
13	Host-guest-recognition-based polymer brush-functionalized mesoporous silica nanoparticles loaded with conjugated polymers: A facile FRET-based ratiometric probe for Hg <sup>2+</sup> . <i>Microporous and Mesoporous Materials</i> , 2015, 218, 137-143.	4.4	17
14	Poly(p-phenylenevinylene) functionalized fluorescent mesoporous silica nanoparticles for drug release and cell imaging. <i>Microporous and Mesoporous Materials</i> , 2013, 182, 155-164.	4.4	16
15	A Sensor Array Realized by a Single Flexible TiO <sub>2</sub> /POMs Film to Contactless Detection of Triacetone Triperoxide. <i>Sensors</i> , 2019, 19, 915.	3.8	16
16	Blue light emitting gold nanoparticles functionalized with non-thiolate thermosensitive polymer ligand: optical properties, assemblies and application. <i>RSC Advances</i> , 2014, 4, 57245-57249.	3.6	14
17	Facile synthesis of thermo-responsive episulfide group-containing diblock copolymers as robust protecting ligands of gold nanoparticles for catalytic applications. <i>RSC Advances</i> , 2016, 6, 37487-37499.	3.6	12
18	The corrosion behavior of 304 stainless steel in NaNO <sub>3</sub> -NaCl-NaF molten salt and vapor. <i>RSC Advances</i> , 2022, 12, 7157-7163.	3.6	12

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19	A facile strategy for synthesis of nearly white light emitting mesoporous silica nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 565-571.	4.7	11
20	A facile construction of Au nanoparticles on a copolymer ligand brushes modified graphene oxide nanoplatfrom with excellent catalytic properties. <i>RSC Advances</i> , 2016, 6, 64937-64945.	3.6	11
21	Blue-light-emitting surface-functionalized ZnS nanoparticles and their transparent polymer nanocomposites with near-white light emission. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 213-219.	4.7	10
22	White light emission transparent polymer nanocomposites with novel poly(p-phenylene vinylene) derivatives and surface functionalized CdSe/ZnS NCs. <i>Dyes and Pigments</i> , 2013, 99, 192-200.	3.7	10
23	Thermal decomposition mechanism and pyrolysis products of waste bischofite calcined at high temperature. <i>Thermochimica Acta</i> , 2022, 710, 179164.	2.7	10
24	Rapid synthesis of NADPH responsive CdSe quantum dots from selenium nanoparticles. <i>RSC Advances</i> , 2014, 4, 61133-61136.	3.6	9
25	A Facile Strategy to Fabricate Thermo-responsive Polymer Functionalized CdTe/ZnS Quantum Dots: Assemblies and Optical Properties. <i>Macromolecular Rapid Communications</i> , 2014, 35, 77-83.	3.9	9
26	PVdF-HFP-Based Gel Polymer Electrolyte with Semi-Interpenetrating Networks For Dendrite-Free Lithium Metal Battery. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 417-424.	2.9	9
27	Coordination-induced assemblies of quantum dots in amphiphilic thermo-responsive block copolymer micelles: morphologies, optical properties and applications. <i>Polymer Chemistry</i> , 2018, 9, 3158-3168.	3.9	8
28	Uncontactless detection of improvised explosives TATP realized by Au NCs tailored PPV flexible photoelectric Schottky sensor. <i>Nano Select</i> , 2020, 1, 419-431.	3.7	7
29	8-Hydroxyquinoline and its derivatives functionalized Cd <sub>1-x</sub> Zn <sub>x</sub> Se <sub>1-y</sub> S <sub>y</sub> alloyed NCs: optical and photophysical properties. <i>RSC Advances</i> , 2013, 3, 21298.	3.6	6
30	<i>In situ</i> epitaxial growth of Ag <sub>3</sub> PO <sub>4</sub> quantum dots on hematite nanotubes for high photocatalytic activities. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2747-2755.	6.0	6
31	Fingerprinting of Nitroaromatic Explosives Realized by Aphen-functionalized Titanium Dioxide. <i>Sensors</i> , 2019, 19, 2407.	3.8	6
32	Facile Synthesis of 1T-Phase MoS <sub>2</sub> Nanosheets on N-Doped Carbon Nanotubes towards Highly Efficient Hydrogen Evolution. <i>Nanomaterials</i> , 2021, 11, 3273.	4.1	6
33	Design optimization and thermal storage characteristics of NaNO <sub>3</sub> -NaCl-NaF molten salts with high latent heat and low cost for the thermal energy storage. <i>Journal of Energy Storage</i> , 2022, 52, 104805.	8.1	5
34	Phosphoprotein Detection in Sweat Realized by Intercalation Structure 2D@3D g-C <sub>3</sub> N <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> Wearable Sensitive Motif. <i>Biosensors</i> , 2022, 12, 361.	4.7	4
35	Construction of Rutile-TiO <sub>2</sub> Nanoarray Homojunction for Non-Contact Sensing of TATP under Natural Light. <i>Coatings</i> , 2020, 10, 409.	2.6	3
36	PPV Nanotube Sensor Arrays for Explosives Identification by Excitation Wavelength Regulation. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100276.	3.6	3

#	ARTICLE	IF	CITATIONS
37	Ammonium molybdophosphate functionalized copolymer micelles for efficient Cs <sup>+</sup> adsorption. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	3
38	Construction of flexible and wearable 3D TiO <sub>2</sub> NTs@Ti mesh for physiological detection based on sweat. <i>Jcis Open</i> , 2021, 2, 100007.	3.2	2
39	Preparation and optical properties of fluorescent hybrid complex of polycationic conjugated polymer and surface-functionalized ZnS nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 408, 40-47.	4.7	1
40	Double-channel emission from gold nanoparticles functionalized with a thermo-responsive copolymer ligand: preparation, optical properties and control of catalytic activity. <i>RSC Advances</i> , 2016, 6, 88179-88188.	3.6	1
41	Dual and Multi-Emission Hybrid Micelles Realized through Coordination-Driven Self-Assembly. <i>Materials</i> , 2020, 13, 440.	2.9	1
42	Surface Ligand-Exchange Route to Blue Light-Emitting of Mg Doped ZnO Quantum Dots. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2014, 4, 299-305.	0.3	1
43	Rational Synthesis of Cylindrical Silver Single-crystalline Nanowires via Poly(vinyl pyrrolidone) Reduction of AgCl. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 473-481.	1.0	0