Bingxin Liu

List of Publications by Year
in descending order

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43	672	566801	610482
papers	citations	15 h-index	24 g-index

43	43	43	998
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Silver nanotriangles-loaded filter paper for ultrasensitive SERS detection application benefited by interspacing of sharp edges. Sensors and Actuators B: Chemical, 2016, 231, 357-364.	4.0	92
2	Waterâ€Soluble Polymer Functionalized CdTe/ZnS Quantum Dots: A Facile Ratiometric Fluorescent Probe for Sensitive and Selective Detection of Nitroaromatic Explosives. Chemistry - A European Journal, 2014, 20, 2132-2137.	1.7	52
3	Conjugation of PPV functionalized mesoporous silica nanoparticles with graphene oxide for facile and sensitive fluorescence detection of TNT in water through FRET. Dyes and Pigments, 2014, 101, 122-129.	2.0	40
4	Luminescence properties and crystal structure of Sr 3 Sc(PO 4) 3 :Sm 3+ as novel orange-red emitting phosphors. Journal of Luminescence, 2017, 188, 54-59.	1.5	36
5	Temperature responsive polymer brushes grafted from graphene oxide: an efficient fluorescent sensing platform for 2,4,6-trinitrophenol. Journal of Materials Chemistry C, 2016, 4, 7083-7092.	2.7	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. Dyes and Pigments, 2015, 113, 102-109.	2.0	32
7	A novel FRET-based fluorescent chemosensor of Î²-cyclodextrin derivative for TNT detection in aqueous solution. Journal of Luminescence, 2014, 146, 502-507.	1.5	29
8	Wearable Sensor for Continuous Sweat Biomarker Monitoring. Chemosensors, 2022, 10, 273.	1.8	29
9	Effect of phosphoric acid content on the microstructure and compressive strength of phosphoric acid-based metakaolin geopolymers. Heliyon, 2020, 6, e03853.	1.4	28
10	Fluorescent mesoporous silica nanoparticles functionalized graphene oxide: A facile FRET-based ratiometric probe for Hg2+. Sensors and Actuators B: Chemical, 2015, 206, 181-189.	4.0	25
11	Conjugated polymer and spirolactam rhodamine-B derivative co-functionalized mesoporous silica nanoparticles as the scaffold for the FRET-based ratiometric sensing of mercury (II) ions. Microporous and Mesoporous Materials, 2015, 208, 113-119.	2.2	23
12	Research Trends on Separation and Extraction of Rare Alkali Metal from Salt Lake Brine: Rubidium and Cesium. Solvent Extraction and Ion Exchange, 2020, 38, 753-776.	0.8	22
13	Hostâ€“guest-recognition-based polymer brush-functionalized mesoporous silica nanoparticles loaded with conjugated polymers: A facile FRET-based ratiometric probe for Hg 2+. Microporous and Mesoporous Materials, 2015, 218, 137-143.	2.2	17
14	Poly(p-phenylenevinylene) functionalized fluorescent mesoporous silica nanoparticles for drug release and cell imaging. Microporous and Mesoporous Materials, 2013, 182, 155-164.	2.2	16
15	A Sensor Array Realized by a Single Flexible TiO2/POMs Film to Contactless Detection of Triacetone Triperoxide. Sensors, 2019, 19, 915.	2.1	16
16	Blue light emitting gold nanoparticles functionalized with non-thiolate thermosensitive polymer ligand: optical properties, assemblies and application. RSC Advances, 2014, 4, 57245-57249.	1.7	14
17	Facile synthesis of thermo-responsive episulfide group-containing diblock copolymers as robust protecting ligands of gold nanoparticles for catalytic applications. RSC Advances, 2016, 6, 37487-37499.	1.7	12
18	The corrosion behavior of 304 stainless steel in NaNO‹sub›3‹/sub›â€“NaClâ€“NaF molten salt and vapor. RSC Advances, 2022, 12, 7157-7163.	1.7	12

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19	A facile strategy for synthesis of nearly white light emitting mesoporous silica nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 565-571.	2.3	11
20	A facile construction of Au nanoparticles on a copolymer ligand brushes modified graphene oxide nanoplatform with excellent catalytic properties. RSC Advances, 2016, 6, 64937-64945.	1.7	11
21	Blue-light-emitting surface-functionalized ZnS nanoparticles and their transparent polymer nanocomposites with near-white light emission. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 434, 213-219.	2.3	10
22	White light emission transparent polymer nanocomposites with novel poly(p-phenylene vinylene) derivatives and surface functionalized CdSe/ZnS NCs. Dyes and Pigments, 2013, 99, 192-200.	2.0	10
23	Thermal decomposition mechanism and pyrolysis products of waste bischofite calcined at high temperature. Thermochimica Acta, 2022, 710, 179164.	1.2	10
24	Rapid synthesis of NADPH responsive CdSe quantum dots from selenium nanoparticles. RSC Advances, 2014, 4, 61133-61136.	1.7	9
25	A Facile Strategy to Fabricate Thermoresponsive Polymer Functionalized CdTe/ZnS Quantum Dots: Assemblies and Optical Properties. Macromolecular Rapid Communications, 2014, 35, 77-83.	2.0	9
26	PVdF-HFP-Based Gel Polymer Electrolyte with Semi-Interpenetrating Networks For Dendrite-Free Lithium Metal Battery. Acta Metallurgica Sinica (English Letters), 2021, 34, 417-424.	1.5	9
27	Coordination-induced assemblies of quantum dots in amphiphilic thermo-responsive block copolymer micelles: morphologies, optical properties and applications. Polymer Chemistry, 2018, 9, 3158-3168.	1.9	8
28	Uncontactless detection of improvised explosives TATP realized by Au NCs tailored PPV flexible photoelectric Schottky sensor. Nano Select, 2020, 1, 419-431.	1.9	7
29	8-Hydroxyquinoline and its derivatives functionalized Cd1â^'xZnxSe1â^'ySy alloyed NCs: optical and photophysical properties. RSC Advances, 2013, 3, 21298.	1.7	6
30	In situ epitaxial growth of Ag₃PO₄ quantum dots on hematite nanotubes for high photocatalytic activities. Inorganic Chemistry Frontiers, 2019, 6, 2747-2755.	3.0	6
31	Fingerprinting of Nitroaromatic Explosives Realized by Aphen-functionalized Titanium Dioxide. Sensors, 2019, 19, 2407.	2.1	6
32	Facile Synthesis of 1T-Phase MoS2 Nanosheets on N-Doped Carbon Nanotubes towards Highly Efficient Hydrogen Evolution. Nanomaterials, 2021, 11, 3273.	1.9	6
33	Design optimization and thermal storage characteristics of NaNO3-NaCl-NaF molten salts with high latent heat and low cost for the thermal energy storage. Journal of Energy Storage, 2022, 52, 104805.	3.9	5
34	Phosphoprotein Detection in Sweat Realized by Intercalation Structure 2D@3D g-C3N4@Fe3O4 Wearable Sensitive Motif. Biosensors, 2022, 12, 361.	2.3	4
35	Construction of Rutile-TiO2 Nanoarray Homojuction for Non-Contact Sensing of TATP under Natural Light. Coatings, 2020, 10, 409.	1.2	3
36	PPV Nanotube Sensor Arrays for Explosives Identification by Excitation Wavelength Regulation. Macromolecular Materials and Engineering, 2021, 306, 2100276.	1.7	3

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37	Ammonium molybdophosphate functionalized copolymer micelles for efficient Cs+ adsorption. Journal of Polymer Research, 2021, 28, 1.	1.2	3
38	Construction of flexible and wearable 3D TiO2 NTs@Ti mesh for physiological detection based on sweat. Jcis Open, 2021, 2, 100007.	1.5	2
39	Preparation and optical properties of fluorescent hybrid complex of polycationic conjugated polymer and surface-functionalized ZnS nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 408, 40-47.	2.3	1
40	Double-channel emission from gold nanoparticles functionalized with a thermo-responsive copolymer ligand: preparation, optical properties and control of catalytic activity. RSC Advances, 2016, 6, 88179-88188.	1.7	1
41	Dual and Multi-Emission Hybrid Micelles Realized through Coordination-Driven Self-Assembly. Materials, 2020, 13, 440.	1.3	1
42	Surface Ligand-Exchange Route to Blue Light-Emitting of Mg Doped ZnO Quantum Dots. Journal of Nanoengineering and Nanomanufacturing, 2014, 4, 299-305.	0.3	1
43	Rational Synthesis of Cylindrical Silver Single-crystalline Nanowires via Poly(vinyl pyrrolidone) Reduction of AgCl. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 473-481.	0.4	0