

Hua Zhang

List of Publications by Year in descending order

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39
papers

933
citations

471509

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h-index

477307

29
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39
all docs

39
docs citations

39
times ranked

1304
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic study on the optimization of a bis(<i>N,N</i> -diethyl)aniline based NLO chromophore via a stronger electron acceptor, extended π -conjugation and isolation groups. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3343-3352.	5.5	8
2	Controllable bisubstrate multi-colorimetric assay based on peroxidase-like nanozyme and complementary colorharmonic principle for semi-quantitative detection of H ₂ O ₂ with the naked eye. <i>Mikrochimica Acta</i> , 2022, 189, 81.	5.0	5
3	A ratiometric fluorescent probe based on peptide modified MnFe ₂ O ₄ nanoparticles for matrix metalloproteinase-7 activity detection <i>in vitro</i> and <i>in vivo</i> . <i>Analyst, The</i> , 2022, 147, 1581-1588.	3.5	6
4	Lateral flow immunoassay with peptide-functionalized gold nanoparticles for rapid detection of protein tyrosine phosphatase 1B. <i>Analytical Biochemistry</i> , 2022, 648, 114671.	2.4	7
5	An efficient photothermal-chemotherapy platform based on polyacrylamide/phytic acid/polydopamine hydrogel. <i>Journal of Materials Chemistry B</i> , 2022, , .	5.8	7
6	Dual Modulation of Single Molecule Conductance via Tuning Side Chains and Electric Field with Conjugated Molecules Entailing Intramolecular π - π S Interactions. <i>Advanced Science</i> , 2022, 9, e2105667.	11.2	6
7	Peptide modified manganese-doped iron oxide nanoparticles as a sensitive fluorescence nanosensor for non-invasive detection of trypsin activity <i>in vitro</i> and <i>in vivo</i> . <i>RSC Advances</i> , 2021, 11, 2213-2220.	3.6	6
8	Profiling of multiple matrix metalloproteinases activities in the progression of osteosarcoma by peptide microarray-based fluorescence assay on polymer brush coated zinc oxide nanorod substrate. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129361.	7.8	9
9	Six-in-one peptide functionalized upconversion@polydopamine nanoparticle-based ratiometric fluorescence sensing platform for real-time evaluating anticancer efficacy through monitoring caspase-3 activity. <i>Sensors and Actuators B: Chemical</i> , 2021, 333, 129554.	7.8	17
10	Peptide-enhanced tumor accumulation of upconversion nanoparticles for sensitive upconversion luminescence/magnetic resonance dual-mode bioimaging of colorectal tumors. <i>Acta Biomaterialia</i> , 2020, 104, 167-175.	8.3	36
11	Controllable negative thermal expansion in NaZn ₁₃ -type La(Fe, Co, Al) ₁₃ compounds. <i>AIP Advances</i> , 2020, 10, 075123.	1.3	4
12	Smart design of exquisite multidimensional multilayered sand-clock-like upconversion nanostructures with ultrabright luminescence as efficient luminescence probes for bioimaging application. <i>Mikrochimica Acta</i> , 2020, 187, 527.	5.0	12
13	A DNA tetrahedron nanoprobe-based fluorescence resonance energy transfer sensing platform for intracellular tumor-related miRNA detection. <i>Analyst, The</i> , 2020, 145, 3535-3542.	3.5	15
14	The combustion synthesis of highly crystalline boron nitride nanosheets and their application in thermoconductive polymeric composites. <i>CrystEngComm</i> , 2019, 21, 5461-5469.	2.6	15
15	Peptide-functionalized upconversion nanoparticles-based FRET sensing platform for Caspase-9 activity detection <i>in vitro</i> and <i>in vivo</i> . <i>Biosensors and Bioelectronics</i> , 2019, 141, 111403.	10.1	40
16	Novel nonlinear optical push-pull fluorene dyes chromophore as promising materials for telecommunications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12180-12185.	2.2	24
17	A novel bichromophore based on julolidine chromophores with enhanced transferring efficiency from hyperpolarizability $\chi^{(2)}$ to electro-optic activity. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1031-1037.	5.5	20
18	An upconversion nanoparticle-based fluorescence resonance energy transfer system for effectively sensing caspase-3 activity. <i>Analyst, The</i> , 2018, 143, 761-767.	3.5	28

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19	Uncovering the Binding Specificities of Lectins with Cells for Precision Colorectal Cancer Diagnosis Based on Multimodal Imaging. <i>Advanced Science</i> , 2018, 5, 1800214.	11.2	24
20	Polyamidoamine starburst dendrimer-activated chromatography paper-based assay for sensitive detection of telomerase activity. <i>Talanta</i> , 2018, 178, 116-121.	5.5	15
21	Aminopropyltrimethoxysilane-functionalized boron nitride nanotube based epoxy nanocomposites with simultaneous high thermal conductivity and excellent electrical insulation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20663-20668.	10.3	56
22	The role of peptide microarrays in biomedical research. <i>Analytical Methods</i> , 2018, 10, 4614-4624.	2.7	14
23	Low-voltage polymer-stabilised blue-phase liquid crystals with oleic acid (OA)-modified LaF ₃ nanoparticles. <i>Liquid Crystals</i> , 2018, 45, 1654-1660.	2.2	16
24	Recent Progress of Imprinted Polymer Photonic Waveguide Devices and Applications. <i>Polymers</i> , 2018, 10, 603.	4.5	29
25	Influence of monomer structure on the properties of blue phase liquid crystal. <i>Liquid Crystals</i> , 2018, 45, 1637-1643.	2.2	7
26	Synthesis of novel nonlinear optical chromophores: achieving enhanced electro-optic activity and thermal stability by introducing rigid steric hindrance groups into the julolidine donor. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1675-1684.	5.5	23
27	Peptide Microarray-Based Metal Enhanced Fluorescence Assay for Multiple Profiling of Matrix Metalloproteinases Activities. <i>Analytical Chemistry</i> , 2017, 89, 6749-6757.	6.5	28
28	Enhancement of electro-optic properties of bis(N,N-diethyl)aniline based second order nonlinear chromophores by introducing a stronger electron acceptor and modifying the Ï€-bridge. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6704-6712.	5.5	29
29	Polyacrylamide-phytic acid-polydopamine conducting porous hydrogel for rapid detection and removal of copper (II) ions. <i>Biosensors and Bioelectronics</i> , 2017, 91, 306-312.	10.1	92
30	Evaluation of Matrix Metalloproteinase Inhibition by Peptide Microarray-Based Fluorescence Assay on Polymer Brush Substrate and in Vivo Assessment. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44241-44250.	8.0	15
31	Synthesis and characterization of two novel second-order nonlinear optical chromophores based on julolidine donors with excellent electro-optic activity. <i>RSC Advances</i> , 2016, 6, 99743-99751.	3.6	11
32	Effects of bipyramidal gold nanoparticles and gold nanorods on the detection of immunoglobulins. <i>Analyst</i> , 2016, 141, 6080-6086.	3.5	17
33	Sensitive Detection of Polynucleotide Kinase Activity by Paper-Based Fluorescence Assay with Ï† Exonuclease Assistance. <i>Analytical Chemistry</i> , 2016, 88, 11358-11363.	6.5	27
34	A systematic study of the structureâ€“property relationship of a series of nonlinear optical (NLO) julolidinyl-based chromophores with a thieno[3,2-b]thiophene moiety. <i>Journal of Materials Chemistry C</i> , 2015, 3, 370-381.	5.5	41
35	Synthesis of novel nonlinear optical chromophores: achieving excellent electro-optic activity by introducing benzene derivative isolation groups into the bridge. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11595-11604.	5.5	47
36	Formation of disinfection by-products in the chlorination of ammonia-containing effluents: Significance of Cl ₂ /N ratios and the DOM fractions. <i>Journal of Hazardous Materials</i> , 2011, 190, 645-651.	12.4	27

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37	Effect of chlorination and ozone pre-oxidation on the photobacteria acute toxicity for dissolved organic matter from sewage treatment plants. <i>Science China Chemistry</i> , 2010, 53, 2394-2398.	8.2	5
38	Characterization of isolated fractions of dissolved organic matter from sewage treatment plant and the related disinfection by-products formation potential. <i>Journal of Hazardous Materials</i> , 2009, 164, 1433-1438.	12.4	137
39	Proportion of bromo-DBPs in total DBPs during reclaimed-water chlorination and its related influencing factors. <i>Science in China Series B: Chemistry</i> , 2008, 51, 1000-1008.	0.8	8