

# Hua Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1173458/publications.pdf>

Version: 2024-02-01

39  
papers

933  
citations

471509

17  
h-index

477307

29  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1304  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	A systematic study of the structure-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
6	Peptide-functionalized upconversion nanoparticles-based FRET sensing platform for Caspase-9 activity detection in vitro and in vivo. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111403.	10.1	40
7	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
8	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 $\pi$ -bridge. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6704-6712.	5.5	29
9	Recent Progress of Imprinted Polymer Photonic Waveguide Devices and Applications. <i>Polymers</i> , 2018, 10, 603.	4.5	29
10	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
11	An upconversion nanoparticle-based fluorescence resonance energy transfer system for effectively sensing caspase-3 activity. <i>Analyst</i> , The, 2018, 143, 761-767.	3.5	28
12	Formation of disinfection by-products in the chlorination of ammonia-containing effluents: Significance of Cl <sub>2</sub> /N ratios and the DOM fractions. <i>Journal of Hazardous Materials</i> , 2011, 190, 645-651.	12.4	27
13	Sensitive Detection of Polynucleotide Kinase Activity by Paper-Based Fluorescence Assay with $\hat{\nu}$ Exonuclease Assistance. <i>Analytical Chemistry</i> , 2016, 88, 11358-11363.	6.5	27
14	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
15	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
16	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
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	Effects of bipyramidal gold nanoparticles and gold nanorods on the detection of immunoglobulins. <i>Analyst</i> , The, 2016, 141, 6080-6086.	3.5	17

#	ARTICLE	IF	CITATIONS
19	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
20	Low-voltage polymer-stabilised blue-phase liquid crystals with oleic acid (OA)-modified LaF <sub>3</sub> nanoparticles. <i>Liquid Crystals</i> , 2018, 45, 1654-1660.	2.2	16
21	Evaluation of Matrix Metalloproteinase Inhibition by Peptide Microarray-Based Fluorescence Assay on Polymer Brush Substrate and in Vivo Assessment. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44241-44250.	8.0	15
22	Polyamidoamine starburst dendrimer-activated chromatography paper-based assay for sensitive detection of telomerase activity. <i>Talanta</i> , 2018, 178, 116-121.	5.5	15
23	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
24	A DNA tetrahedron nanoprobe-based fluorescence resonance energy transfer sensing platform for intracellular tumor-related miRNA detection. <i>Analyst</i> , The, 2020, 145, 3535-3542.	3.5	15
25	The role of peptide microarrays in biomedical research. <i>Analytical Methods</i> , 2018, 10, 4614-4624.	2.7	14
26	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
27	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
28	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
29	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
30	Systematic study on the optimization of a bis( <i>N,N</i> -diethyl)aniline based NLO chromophore via a stronger electron acceptor, extended $\pi$ -conjugation and isolation groups. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3343-3352.	5.5	8
31	Influence of monomer structure on the properties of blue phase liquid crystal. <i>Liquid Crystals</i> , 2018, 45, 1637-1643.	2.2	7
32	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
33	An efficient photothermal-chemotherapy platform based on polyacrylamide/phytic acid/polydopamine hydrogel. <i>Journal of Materials Chemistry B</i> , 2022, , .	5.8	7
34	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
35	A ratiometric fluorescent probe based on peptide modified MnFe <sub>2</sub> O <sub>4</sub> nanoparticles for matrix metalloproteinase-7 activity detection <i>in vitro</i> and <i>in vivo</i> . <i>Analyst</i> , The, 2022, 147, 1581-1588.	3.5	6
36	Dual Modulation of Single Molecule Conductance via Tuning Side Chains and Electric Field with Conjugated Molecules Entailing Intramolecular $\pi$ - $\pi$ S Interactions. <i>Advanced Science</i> , 2022, 9, e2105667. <sup>11.2</sup>		6

#	ARTICLE	IF	CITATIONS
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	Controllable bisubstrate multi-colorimetric assay based on peroxidase-like nanozyme and complementary colorharmonic principle for semi-quantitative detection of H <sub>2</sub> O <sub>2</sub> with the naked eye. <i>Mikrochimica Acta</i> , 2022, 189, 81.	5.0	5
39	Controllable negative thermal expansion in NaZn <sub>13</sub> -type La(Fe, Co, Al) <sub>13</sub> compounds. <i>AIP Advances</i> , 2020, 10, 075123.	1.3	4