

Lizheng Wang

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

620
citations

623734

14
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713466

21
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44
all docs

44
docs citations

44
times ranked

637
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress on the organic and metal complex-based fluorescent probes for monitoring nitric oxide in living biological systems. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1522-1549.	2.8	38
2	Synthesis and Immunological Comparison of Differently Linked Lipoarabinomannan Oligosaccharide- α -Monophosphoryl Lipid A Conjugates as Antituberculosis Vaccines. <i>Journal of Organic Chemistry</i> , 2017, 82, 12085-12096.	3.2	34
3	Anti-Inflammation Associated Protective Mechanism of Berberine and its Derivatives on Attenuating Pentylentetrazole-Induced Seizures in Zebrafish. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 309-325.	4.1	34
4	Synthetic and Immunological Studies of Mycobacterial Lipoarabinomannan Oligosaccharides and Their Protein Conjugates. <i>Journal of Organic Chemistry</i> , 2015, 80, 10060-10075.	3.2	32
5	Novel carbohydrate modified berberine derivatives: synthesis and <i>in vitro</i> anti-diabetic investigation. <i>MedChemComm</i> , 2019, 10, 598-605.	3.4	32
6	Synthesis of a Miniature Lipoarabinomannan. <i>Organic Letters</i> , 2014, 16, 988-991.	4.6	27
7	Metabolomics for Biomarker Discovery in Fermented Black Garlic and Potential Bioprotective Responses against Cardiovascular Diseases. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12191-12198.	5.2	27
8	Synthesis of disaccharide modified berberine derivatives and their anti-diabetic investigation in zebrafish using a fluorescence-based technology. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3563-3574.	2.8	22
9	Two novel pyrazole-based chemosensors: α -naked-eye colorimetric recognition of Ni^{2+} and Al^{3+} in alcohol and aqueous DMF media. <i>New Journal of Chemistry</i> , 2018, 42, 14630-14641.	2.8	20
10	The possible hormetic effects of fluorene-9-bisphenol on regulating hypothalamic-pituitary-thyroid axis in zebrafish. <i>Science of the Total Environment</i> , 2021, 776, 145963.	8.0	20
11	Two Novel Fluorescent Probes as Systematic Sensors for Multiple Metal Ions: Focus on Detection of Hg^{2+} . <i>ACS Omega</i> , 2020, 5, 24285-24295.	3.5	19
12	Rhodamine-immobilized optical hydrogels with shape deformation and Hg^{2+} -sensitive fluorescence behaviors. <i>Scientific Reports</i> , 2020, 10, 7723.	3.3	18
13	Lipid Fingerprinting of Different Material Sources by UPLC-Q-Exactive Orbitrap/MS Approach and Their Zebrafish-Based Activities Comparison. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2007-2015.	5.2	17
14	A highly selective colorimetric fluorescent probe for detection of Hg^{2+} and its application on test strips. <i>RSC Advances</i> , 2019, 9, 8529-8536.	3.6	16
15	Two novel colorimetric fluorescent probes: Hg^{2+} and Al^{3+} in the visual colorimetric recognition environment. <i>RSC Advances</i> , 2020, 10, 3048-3059.	3.6	16
16	A new phenothiazine-based fluorescence sensor for imaging Hg^{2+} in living cells. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5945.	3.5	14
17	A novel coumarin-based colorimetric and fluorescent probe for detecting increasing concentrations of Hg^{2+} <i>in vitro</i> and <i>in vivo</i> . <i>RSC Advances</i> , 2021, 11, 23597-23606.	3.6	14
18	Study on the Mechanism of the Danggui- α -Chuanxiong Herb Pair on Treating Thrombus through Network Pharmacology and Zebrafish Models. <i>ACS Omega</i> , 2021, 6, 14677-14691.	3.5	13

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19	Preparation of novel cinnamaldehyde derivativeâ€“BSA nanoparticles with high stability, good cell penetrating ability, and promising anticancer activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126765.	4.7	13
20	Treatment of Parkinson's disease in Zebrafish model with a berberine derivative capable of crossing blood brain barrier, targeting mitochondria, and convenient for bioimaging experiments. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 249, 109151.	2.6	13
21	A novel fluorescein-based fluorescent probe for detection Hg ²⁺ and bioimaging applications. <i>Journal of Molecular Structure</i> , 2022, 1255, 132427.	3.6	13
22	An extensive review of studies on mycobacterium cell wall polysaccharide-related oligosaccharides â€“ part III: synthetic studies and biological applications of arabinofuranosyl oligosaccharides and their analogs, derivatives and conjugates. <i>Journal of Carbohydrate Chemistry</i> , 2019, 38, 414-469.	1.1	12
23	Î±-asarone induces cardiac defects and QT prolongation through mitochondrial apoptosis pathway in zebrafish. <i>Toxicology Letters</i> , 2020, 324, 1-11.	0.8	12
24	Anti-inflammatory peptides and metabolomics-driven biomarkers discovery from sea cucumber protein hydrolysates. <i>Journal of Food Science</i> , 2021, 86, 3540-3549.	3.1	12
25	An extensive review of studies on mycobacterium cell wall polysaccharide-related oligosaccharides â€“ part II: Synthetic studies on complex arabinofuranosyl oligosaccharides carrying other functional motifs and related derivatives and analogs. <i>Journal of Carbohydrate Chemistry</i> , 2019, 38, 335-382.	1.1	11
26	Two novel fluorescent probes based on phenothiazine: synthesis and â€œnaked-eyeâ€“colorimetric recognition of Hg ²⁺ . <i>Research on Chemical Intermediates</i> , 2019, 45, 2045-2063.	2.7	11
27	Developmental neurotoxicity fingerprint of silica nanoparticles at environmentally relevant level on larval zebrafish using a neurobehavioral-phenomics-based biological warning method. <i>Science of the Total Environment</i> , 2021, 752, 141878.	8.0	11
28	A Naphthalimide-based Fluorescent Probe for the Detection and Imaging of Mercury Ions in Living Cells. <i>ChemistryOpen</i> , 2021, 10, 1116-1122.	1.9	11
29	Synthesis of a trisaccharide repeating unit of the O-antigen from <i>Burkholderia anthina</i> and its dimer. <i>Carbohydrate Research</i> , 2016, 427, 13-20.	2.3	10
30	Synthesis and characterization of a novel hydroxypropyl chitosan-graft-Î²-Cyclodextrin copolymer as potential drug carrier. <i>Journal of Carbohydrate Chemistry</i> , 2019, 38, 383-397.	1.1	10
31	Induction of developmental toxicity and cardiotoxicity in zebrafish embryos/larvae by acetyl-11-keto-Î²-boswellic acid (AKBA) through oxidative stress. <i>Drug and Chemical Toxicology</i> , 2022, 45, 143-150.	2.3	9
32	An extensive review of studies on mycobacterium cell wall polysaccharide-related oligosaccharides â€“ part I: Synthetic studies on arabinofuranosyl oligosaccharides. <i>Journal of Carbohydrate Chemistry</i> , 2019, 38, 269-334.	1.1	9
33	Synthesis of hydrophobically modified berberine derivatives with high anticancer activity through modulation of the MAPK pathway. <i>New Journal of Chemistry</i> , 2020, 44, 14024-14034.	2.8	8
34	A novel cell membrane-targeting fluorescent probe for imaging endogenous/exogenous formaldehyde in live cells and zebrafish. <i>Analyst</i> , 2021, 146, 7554-7562.	3.5	7
35	Synthesis of a novel fluorescent berberine derivative convenient for its subcellular localization study. <i>Bioorganic Chemistry</i> , 2020, 101, 104021.	4.1	6
36	Electron-donating methoxy group enhances the stability and efficiency of indole-based fluorescent probe for detecting Cu ²⁺ . <i>Research on Chemical Intermediates</i> , 2020, 46, 5517-5533.	2.7	5

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37	Synthetic and antitumor comparison of 9-O-alkylated and carbohydrate-modified berberine derivatives. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 3251-3260.	2.2	5
38	An ultrasensitive ratiometric fluorescent probe for the detection of Hg ²⁺ and its application in cell and zebrafish. <i>Analytical Methods</i> , 2021, 13, 1043-1048.	2.7	5
39	Region-Specific Biomarkers and Their Mechanisms in the Treatment of Lung Adenocarcinoma: A Study of <i>Panax quinquefolius</i> from Wendeng, China. <i>Molecules</i> , 2021, 26, 6829.	3.8	5
40	Ameliorative effect of <i>Gastrodia elata</i> Blume extracts on depression in zebrafish and cellular models through modulating reticulon 4 receptors and apoptosis. <i>Journal of Ethnopharmacology</i> , 2022, 289, 115018.	4.1	4
41	Synthesis of a tetrasaccharide repeating unit of the exopolysaccharide from <i>Burkholderia multivorans</i> . <i>Journal of Carbohydrate Chemistry</i> , 2017, 36, 189-204.	1.1	3
42	Characterization and biochemical investigation of the potential inositol monophosphate phosphatase involved in bacterial mycothiol biosynthesis. <i>Journal of Carbohydrate Chemistry</i> , 2018, 37, 507-521.	1.1	1
43	Preparation and characterization of young <i>Prunus persica</i> fruit fraction and its anti-inflammatory effect on a transgenic zebrafish model. <i>Natural Product Research</i> , 2022, 36, 5048-5052.	1.8	1
44	Lipid Profiles of the Heads of Four Shrimp Species by UPLC-Exactive Orbitrap/MS and Their Cardiovascular Activities. <i>Molecules</i> , 2022, 27, 350.	3.8	0