

# Lizheng Wang

## List of Publications by Year in descending order

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44  
papers

620  
citations

623188

14  
h-index

713013

21  
g-index

44  
all docs

44  
docs citations

44  
times ranked

637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of developmental toxicity and cardiotoxicity in zebrafish embryos/larvae by acetyl-11-keto- $\beta$ -boswellic acid (AKBA) through oxidative stress. <i>Drug and Chemical Toxicology</i> , 2022, 45, 143-150.	1.2	9
2	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.	1.0	1
3	Lipid Profiles of the Heads of Four Shrimp Species by UPLC-Exactive Orbitrap/MS and Their Cardiovascular Activities. <i>Molecules</i> , 2022, 27, 350.	1.7	0
4	A novel fluorescein-based fluorescent probe for detection Hg <sup>2+</sup> and bioimaging applications. <i>Journal of Molecular Structure</i> , 2022, 1255, 132427.	1.8	13
5	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.	2.0	4
6	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.	3.9	11
7	A novel coumarin-based colorimetric and fluorescent probe for detecting increasing concentrations of Hg <sup>2+</sup> <i>in vitro</i> and <i>in vivo</i> . <i>RSC Advances</i> , 2021, 11, 23597-23606.	1.7	14
8	Study on the Mechanism of the Danggui-Chuanxiong Herb Pair on Treating Thrombus through Network Pharmacology and Zebrafish Models. <i>ACS Omega</i> , 2021, 6, 14677-14691.	1.6	13
9	Anti-inflammatory peptides and metabolomics-driven biomarkers discovery from sea cucumber protein hydrolysates. <i>Journal of Food Science</i> , 2021, 86, 3540-3549.	1.5	12
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.	3.9	20
11	Preparation of novel cinnamaldehyde derivative-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.	2.3	13
12	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.	1.3	13
13	An ultrasensitive ratiometric fluorescent probe for the detection of Hg <sup>2+</sup> and its application in cell and zebrafish. <i>Analytical Methods</i> , 2021, 13, 1043-1048.	1.3	5
14	A novel cell membrane-targeting fluorescent probe for imaging endogenous/exogenous formaldehyde in live cells and zebrafish. <i>Analyst</i> , 2021, 146, 7554-7562.	1.7	7
15	A Naphthalimide-Based Fluorescent Probe for the Detection and Imaging of Mercury Ions in Living Cells. <i>ChemistryOpen</i> , 2021, 10, 1116-1122.	0.9	11
16	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.	1.7	5
17	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.	2.1	34
18	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.	1.4	8

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19	A new phenothiazine-based fluorescence sensor for imaging Hg <sup>2+</sup> in living cells. Applied Organometallic Chemistry, 2020, 34, e5945.	1.7	14
20	Electron-donating methoxy group enhances the stability and efficiency of indole-based fluorescent probe for detecting Cu <sup>2+</sup> . Research on Chemical Intermediates, 2020, 46, 5517-5533.	1.3	5
21	Two Novel Fluorescent Probes as Systematic Sensors for Multiple Metal Ions: Focus on Detection of Hg <sup>2+</sup> . ACS Omega, 2020, 5, 24285-24295.	1.6	19
22	Synthetic and antitumor comparison of 9-O-alkylated and carbohydrate-modified berberine derivatives. Journal of the Iranian Chemical Society, 2020, 17, 3251-3260.	1.2	5
23	Rhodamine-immobilized optical hydrogels with shape deformation and Hg <sup>2+</sup> -sensitive fluorescence behaviors. Scientific Reports, 2020, 10, 7723.	1.6	18
24	Synthesis of a novel fluorescent berberine derivative convenient for its subcellular localization study. Bioorganic Chemistry, 2020, 101, 104021.	2.0	6
25	Î±-asarone induces cardiac defects and QT prolongation through mitochondrial apoptosis pathway in zebrafish. Toxicology Letters, 2020, 324, 1-11.	0.4	12
26	Recent progress on the organic and metal complex-based fluorescent probes for monitoring nitric oxide in living biological systems. Organic and Biomolecular Chemistry, 2020, 18, 1522-1549.	1.5	38
27	Lipid Fingerprinting of Different Material Sources by UPLC-Q-Exactive Orbitrap/MS Approach and Their Zebrafish-Based Activities Comparison. Journal of Agricultural and Food Chemistry, 2020, 68, 2007-2015.	2.4	17
28	Two novel colorimetric fluorescent probes: Hg <sup>2+</sup> and Al <sup>3+</sup> in the visual colorimetric recognition environment. RSC Advances, 2020, 10, 3048-3059.	1.7	16
29	Synthesis of disaccharide modified berberine derivatives and their anti-diabetic investigation in zebrafish using a fluorescence-based technology. Organic and Biomolecular Chemistry, 2020, 18, 3563-3574.	1.5	22
30	Metabolomics for Biomarker Discovery in Fermented Black Garlic and Potential Bioprotective Responses against Cardiovascular Diseases. Journal of Agricultural and Food Chemistry, 2019, 67, 12191-12198.	2.4	27
31	Synthesis and characterization of a novel hydroxypropyl chitosan-graft-Î²-Cyclodextrin copolymer as potential drug carrier. Journal of Carbohydrate Chemistry, 2019, 38, 383-397.	0.4	10
32	An extensive review of studies on mycobacterium cell wall polysaccharide-related oligosaccharides â€œ part III: synthetic studies and biological applications of arabinofuranosyl oligosaccharides and their analogs, derivatives and conjugates. Journal of Carbohydrate Chemistry, 2019, 38, 414-469.	0.4	12
33	An extensive review of studies on mycobacterium cell wall polysaccharide-related oligosaccharides â€œ part I: Synthetic studies on arabinofuranosyl oligosaccharides. Journal of Carbohydrate Chemistry, 2019, 38, 269-334.	0.4	9
34	An extensive review of studies on mycobacterium cell wall polysaccharide-related oligosaccharides â€œ part II: Synthetic studies on complex arabinofuranosyl oligosaccharides carrying other functional motifs and related derivatives and analogs. Journal of Carbohydrate Chemistry, 2019, 38, 335-382.	0.4	11
35	A highly selective colorimetric fluorescent probe for detection of Hg <sup>2+</sup> and its application on test strips. RSC Advances, 2019, 9, 8529-8536.	1.7	16
36	Novel carbohydrate modified berberine derivatives: synthesis and <i>in vitro</i> anti-diabetic investigation. MedChemComm, 2019, 10, 598-605.	3.5	32

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37	Two novel fluorescent probes based on phenothiazine: synthesis and "naked-eye" colorimetric recognition of Hg <sup>2+</sup> . <i>Research on Chemical Intermediates</i> , 2019, 45, 2045-2063.	1.3	11
38	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.	0.4	1
39	Two novel pyrazole-based chemosensors: "naked-eye" colorimetric recognition of Ni <sup>2+</sup> and Al <sup>3+</sup> in alcohol and aqueous DMF media. <i>New Journal of Chemistry</i> , 2018, 42, 14630-14641.	1.4	20
40	Synthesis and Immunological Comparison of Differently Linked Lipoarabinomannan Oligosaccharide-Monophosphoryl Lipid A Conjugates as Antituberculosis Vaccines. <i>Journal of Organic Chemistry</i> , 2017, 82, 12085-12096.	1.7	34
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.	0.4	3
42	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.	1.1	10
43	Synthetic and Immunological Studies of Mycobacterial Lipoarabinomannan Oligosaccharides and Their Protein Conjugates. <i>Journal of Organic Chemistry</i> , 2015, 80, 10060-10075.	1.7	32
44	Synthesis of a Miniature Lipoarabinomannan. <i>Organic Letters</i> , 2014, 16, 988-991.	2.4	27