

# Zhonglong Wang

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

815

citations

17

h-index

24

g-index

85

ext. papers

1,135

ext. citations

4.1

avg, IF

4.48

L-index

#	Paper	IF	Citations
82	Novel Bis-Camphor-Derived Colorimetric and Fluorescent Probe for Rapid and Visual Detection of Cysteine and Its Versatile Applications in Food Analysis and Biological Imaging.. <i>Journal of Agricultural and Food Chemistry</i> , <b>2022</b> ,	5.7	6
81	Colorimetric and turn-on fluorescent chemosensor with large stokes shift for sensitively probing cyanide anion in real samples and living systems.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2022</b> , 271, 120882	4.4	2
80	Quantitatively analysis and detection of CN in three food samples by a novel nopinone-based fluorescent probe.. <i>Food Chemistry</i> , <b>2022</b> , 379, 132153	8.5	1
79	Development of a ratiometric fluorescent probe with large Stokes shift and emission wavelength shift for real-time tracking of hydrazine and its multiple applications in environmental analysis and biological imaging. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 422, 126891	12.8	4
78	A New Cellulose-Based Fluorescent Probe for Specific and Sensitive Detection of Cu <sup>2+</sup> and Its Applications in the Analysis of Environmental Water. <i>Polymers</i> , <b>2022</b> , 14, 2146	4.5	1
77	A novel AIE-active camphor-based fluorescent probe for simultaneous detection of Al and Zn at dual channels in living cells and zebrafish. <i>Analyst, The</i> , <b>2021</b> ,	5	3
76	An isocamphanyl-based fluorescent "turn-on" probe for highly sensitive and selective detection of Ga and application and. <i>Analyst, The</i> , <b>2021</b> , 146, 7294-7305	5	1
75	A Novel Schiff Base-Modified Dialdehyde Cellulose-Based Fluorescent Probe for Al and Its Application in Environmental Analysis. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 43, e2100608	4.8	1
74	WSF-CT-11, a Sesquiterpene Derivative, Activates AMP-Activated Protein Kinase with Anti-diabetic Effects in 3T3-L1 Adipocytes. <i>ACS Omega</i> , <b>2021</b> , 6, 31272-31281	3.9	
73	Thermo-/pH-responsive preservative delivery based on TEMPO cellulose nanofiber/cationic copolymer hydrogel film in fruit packaging. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 183, 1911-1924	7.9	4
72	Highly efficient coumarin-derived colorimetric chemosensors for sensitive sensing of fluoride ions and their applications in logic circuits. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 255, 119718	4.4	5
71	A practical synthesis of 3-chloro-2,4-difluoro-5-hydroxybenzoic acid. <i>Journal of Chemical Research</i> , <b>2021</b> , 45, 166-171	0.6	1
70	Red/NIR neutral BODIPY-based fluorescent probes for lighting up mitochondria. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 248, 119199	4.4	7
69	A novel AIE fluorescent probe based on myrtenal for Cu <sup>2+</sup> detection in a near-perfect aqueous medium and bioimaging in vegetables and zebrafish. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 15247-15254	3.6	1
68	Discovery of a novel camphor-based fluorescent probe for Co in fresh vegetables with high selectivity and sensitivity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 248, 119213	4.4	3
67	Pyrazole ring-containing isolongifolanone derivatives as potential CDK2 inhibitors: Evaluation of anticancer activity and investigation of action mechanism. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 139, 111663	7.5	4
66	A highly effective "turn-on" camphor-based fluorescent probe for rapid and sensitive detection and its biological imaging of Fe. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 6267-6277	4.4	2

65	Pyrimidin-2-amine derivative-grafted cellulose ratiometric fluorescent probe for pH detection in extremely acidic media. <i>Cellulose</i> , <b>2021</b> , 28, 10441	5.5	0
64	An efficient chitosan-based naphthalimide-modified fluorescent sensor for rapid detection of 2,4-dinitrophenylhydrazine and its applications in environmental analysis. <i>European Polymer Journal</i> , <b>2021</b> , 158, 110705	5.2	1
63	A novel berberine-based colorimetric and fluorometric probe for Hg <sup>2+</sup> detection and its applications in water samples. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 132, 108847	3.1	2
62	A novel ratiometric fluorescent chemosensor for detecting malononitrile and application assisted with smartphone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 262, 120135	4.4	0
61	A novel dual-response fluorescent probe based on nopinone for discriminative detection of hydrazine and bisulfate from different emission channels. <i>Tetrahedron Letters</i> , <b>2020</b> , 61, 152103	2	7
60	WSF-7 Inhibits Obesity-Mediated PPAR $\alpha$ Phosphorylation and Improves Insulin Sensitivity in 3T3-L1 Adipocytes. <i>Biological and Pharmaceutical Bulletin</i> , <b>2020</b> , 43, 526-532	2.3	4
59	Antioxidant Properties of Camphene-Based Thiosemicarbazones: Experimental and Theoretical Evaluation. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
58	Design, Synthesis and Biological Evaluation of the Quinazoline Derivatives as L858R/T790M/C797S Triple Mutant Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2020</b> , 68, 971-980	1.9	3
57	A novel dual functional pyrene-based turn-on fluorescent probe for hypochlorite and copper (II) ion detection and bioimaging applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 239, 118470	4.4	3
56	An easily available camphor-derived ratiometric fluorescent probe with AIE feature for sequential Ga <sup>3+</sup> and ATP sensing in a near-perfect aqueous media and its bio-imaging in living cells and mice. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 320, 128249	8.5	17
55	A nopinone based multi-functional probe for colorimetric detection of Cu and ratiometric detection of Ag. <i>Photochemical and Photobiological Sciences</i> , <b>2020</b> , 19, 49-55	4.2	8
54	A novel nopinone-based fluorescent probe for colorimetric and ratiometric detection of hypochlorite and its applications in water samples and living cells. <i>Analyst, The</i> , <b>2020</b> , 145, 1033-1040	5	10
53	Functionalized expanded corn starch-anchored Cu(I): An efficient and recyclable catalyst for oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5411	3.1	5
52	Oxidative Esterification of Aldehydes and Alcohols Catalyzed by Camphor-Based Imidazolium Salts. <i>Catalysis Letters</i> , <b>2020</b> , 150, 1812-1820	2.8	2
51	Factors influencing the morphology and adsorption performance of cellulose nanocrystal/iron oxide nanorod composites for the removal of arsenic during water treatment. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 156, 1418-1424	7.9	10
50	Nopinone-based AIE-active dual-functional fluorescent chemosensor for Hg and Cu and its environmental and biological applications. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15299-15309	4.3	12
49	A Novel Camphor-Based Turn-on Fluorescent Probe with High Specificity and Sensitivity for Sensing Mercury(II) in Aqueous Medium and Its Bioimaging Application. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12348-12359	8.3	19
48	A novel berberine-based colorimetric and fluorimetric probe for hydrazine detection. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15752-15757	3.6	4

47	Two ultrafast responsive isolongifolanone based fluorescent probes for reversible and sensitive visualization of toxic BF <sub>3</sub> in solution and in gas phase. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 304, 127083	8.5	4
46	Recent developments in dipyrin based metal complexes: Self-assembled nanoarchitectures and materials applications. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2020</b> , 24, 646-661	1.8	6
45	Pore-ridge nanostructures on the surface of trichoid sensilla of the male silkworm <i>Bombyx mori</i> : Aerodynamic trapping and transporting of the pheromone molecules. <i>Arthropod Structure and Development</i> , <b>2019</b> , 52, 100875	1.8	3
44	Synthesis and antitumor activity of 2-isocamphanyl thiosemicarbazone derivatives via ROS-enhanced mitochondrial damage. <i>Chemical Biology and Drug Design</i> , <b>2019</b> , 94, 1281-1291	2.9	5
43	Metal Nitrate Catalysis for Selective Oxidation of 5-Hydroxymethylfurfural into 2,5-Diformylfuran under Oxygen Atmosphere. <i>ACS Omega</i> , <b>2019</b> , 4, 7054-7060	3.9	23
42	Synthesis and antitumor activity of isolongifoleno[7,8-d]thiazolo[3,2-a]pyrimidine derivatives via enhancing ROS level. <i>Chemical Biology and Drug Design</i> , <b>2019</b> , 94, 1457-1466	2.9	3
41	A highly sensitive and selective fluorescent probe for quantitative detection of Al in food, water, and living cells.. <i>RSC Advances</i> , <b>2019</b> , 9, 10414-10419	3.7	15
40	A simple camphor based AIE fluorescent probe for highly specific and sensitive detection of hydrazine and its application in living cells. <i>Analytical Methods</i> , <b>2019</b> , 11, 3958-3965	3.2	12
39	A novel nopinone-based colorimetric and ratiometric fluorescent probe for detection of bisulfite and its application in food and living cells. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107702	4.6	32
38	Design of a novel type of selectively pH-sensing 8-hydroxyquinoline-substituted gallium(III) corrole. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 18012-18017	3.6	11
37	Novel Nopinone-Based Turn-on Fluorescent Probe for Hydrazine in Living Cells with High Selectivity. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 22754-22762	3.9	8
36	Synthesis and Antiproliferative Activity of Isolongifolanone Pyrazoline Derivatives Inducing Intracellular ROS Accumulation. <i>Pharmaceutical Chemistry Journal</i> , <b>2019</b> , 53, 706-712	0.9	2
35	Novel camphor-based pyrimidine derivatives induced cancer cell death through a ROS-mediated mitochondrial apoptosis pathway.. <i>RSC Advances</i> , <b>2019</b> , 9, 29711-29720	3.7	3
34	Three novel camphor-based fluorescence probes for ratiometric detection of hypochlorite and bio-imaging in living cells. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 284, 148-158	8.5	23
33	Preparation and Characterization of Cellulose Grafted with Epoxidized Soybean Oil Aerogels for Oil-Absorbing Materials. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 637-643	5.7	35
32	A novel isolongifolanone based fluorescent probe with super selectivity and sensitivity for hypochlorite and its application in bio-imaging. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1051, 169-178	6.6	27
31	Design, synthesis and biological evaluation of novel $\alpha$ -pinene-based thiazole derivatives as potential anticancer agents via mitochondrial-mediated apoptosis pathway. <i>Bioorganic Chemistry</i> , <b>2019</b> , 84, 468-477	5.1	39
30	Gold-Catalyzed Cycloisomerization/Halogenation Sequence of 1,3-Enyne Esters with NXS: Efficient Synthesis of 5-Bromo/Iodo Cyclopentenones. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 999-1007	3.2	6

29	Substituted Acene Derivatives: Synthesis, Optical Property and Self-assembly Behavior. <i>ChemistrySelect</i> , <b>2018</b> , 3, 2692-2696	1.8	1
28	Synthesis, in vitro Antimicrobial, and Cytotoxic Activities of New 1,3,4-Oxadiazin-5(6H)-one Derivatives from Dehydroabiatic Acid. <i>Journal of the Chinese Chemical Society</i> , <b>2018</b> , 65, 538-547	1.5	4
27	Metal-Free Epoxidation of Internal and Terminal Alkenes with tert-Butyl Hydroperoxide/Isobutyraldehyde/Oxygen System. <i>ChemistrySelect</i> , <b>2018</b> , 3, 4818-4821	1.8	3
26	Two D-πA type fluorescent probes based on isolongifolanone for sensing acidic pH with large Stokes shifts. <i>Tetrahedron</i> , <b>2018</b> , 74, 3030-3037	2.4	11
25	Gold(I)-Catalyzed Tandem Cycloisomerization and Fluorination of 1,3(4)-Enyne Esters with NFSI: One-Pot Assembly of 5-Fluoro- Cyclopentenones. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 3700-3708	5.6	9
24	Nopinone-based aggregation-induced emission (AIE)-active difluoroboron βdiketonate complex: photophysical, electrochemical and electroluminescence properties.. <i>RSC Advances</i> , <b>2018</b> , 8, 30055-30060	3.7	5
23	Synthesis and biological evaluation of 2-aryl-benzimidazole derivatives of dehydroabiatic acid as novel tubulin polymerization inhibitors.. <i>RSC Advances</i> , <b>2018</b> , 8, 17511-17526	3.7	12
22	Efficient energy transfer in a tri-chromophoric dyad containing BODIPYs and corrole based on a truxene platform. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2018</b> , 22, 777-783	1.8	12
21	Synthesis and in vitro cytotoxic evaluation of new 1H-benzo[d]imidazole derivatives of dehydroabiatic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 1296-1300	2.9	23
20	Synthesis, optical properties and application of a set of novel pyrazole nopinone derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 183, 60-67	4.4	6
19	WSF-P-1, a novel AMPK activator, promotes adiponectin multimerization in 3T3-L1 adipocytes. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2017</b> , 81, 1529-1535	2.1	5
18	Synthesis and characteristics of tung oil-based acrylated-alkyd resin modified by isobornyl acrylate. <i>RSC Advances</i> , <b>2017</b> , 7, 30439-30445	3.7	28
17	Design, synthesis and anticancer activity of novel nopinone-based thiosemicarbazone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 2360-2363	2.9	42
16	Gold-Catalyzed Dehydrogenative Cycloisomerization of 1,4-Enyne Esters to 3,5-Disubstituted Phenol Derivatives. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 4359-4368	5.6	14
15	An Efficient Synthesis of 3,5-Dimethoxy-2,4-Difluorobenzoic Acid. <i>Journal of Chemical Research</i> , <b>2017</b> , 41, 239-240	0.6	1
14	Isolongifolanone-based molecular fluorescence marker for imaging endogenous Zn <sup>2+</sup> in vivo. <i>Tetrahedron</i> , <b>2017</b> , 73, 5912-5919	2.4	11
13	Design, synthesis and in vitro anticancer activity of novel quinoline and oxadiazole derivatives of ursolic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 4128-4132	2.9	32
12	A novel hexahydroquinazolin-2-amine-based fluorescence sensor for Cu <sup>2+</sup> from isolongifolanone and its biological applications. <i>RSC Advances</i> , <b>2017</b> , 7, 33263-33272	3.7	17

11	Synthesis and Evaluation of New Quinoxaline Derivatives of Dehydroabiatic Acid as Potential Antitumor Agents. <i>Molecules</i> , <b>2017</b> , 22,	4.8	18
10	Synthesis and Biological Activity of Novel Pinanyl Pyrazole Acetamide Derivatives. <i>Chinese Journal of Organic Chemistry</i> , <b>2017</b> , 37, 218	3	5
9	Synthesis, optical properties, and acidBase indicating performance of novel ketene hydroxybenzylidene nopinone derivatives. <i>RSC Advances</i> , <b>2016</b> , 6, 111760-111766	3.7	8
8	A novel tetrahydroquinazolin-2-amine-based high selective fluorescent sensor for Zn <sup>2+</sup> from nopinone. <i>Tetrahedron</i> , <b>2016</b> , 72, 4503-4509	2.4	9
7	Fluorescence staining of salicylaldehyde azine, and applications in the determination of potassium tert-butoxide. <i>RSC Advances</i> , <b>2016</b> , 6, 30636-30641	3.7	6
6	Synthesis, optical properties, and cellular imaging of novel quinazolin-2-amine nopinone derivatives. <i>Dyes and Pigments</i> , <b>2016</b> , 128, 75-83	4.6	17
5	Synthesis, Antitumor and Anti-inflammatory Activities of Isolongifolanonyl Pyrazole Derivatives. <i>Chinese Journal of Organic Chemistry</i> , <b>2016</b> , 36, 2183	3	9
4	Synthesis, in vitro antimicrobial and cytotoxic activities of new carbazole derivatives of ursolic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 554-7	2.9	35
3	Synthesis and biological evaluation of novel N-substituted 1H-dibenzo[a,c]carbazole derivatives of dehydroabiatic acid as potential antimicrobial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 328-31	2.9	31
2	FACILE AND EFFICIENT SYNTHESIS OF ISOLONGIFOLENONE. <i>Organic Preparations and Procedures International</i> , <b>2008</b> , 40, 405-410	1.1	7
1	Chemical characterization of smoke from the production process of wood-plastic composites. <i>Forestry Studies in China</i> , <b>2007</b> , 9, 57-62		4