

Zhonglong Wang

List of Publications by Year in descending order

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85
papers

1,484
citations

331259

21
h-index

414034

32
g-index

85
all docs

85
docs citations

85
times ranked

1564
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-healing polyurethane with high strength and toughness based on a dynamic chemical strategy. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10139-10149.	5.2	75
2	Preparation and Characterization of Cellulose Grafted with Epoxidized Soybean Oil Aerogels for Oil-Absorbing Materials. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 637-643.	2.4	59
3	Design, synthesis and anticancer activity of novel nopinone-based thiosemicarbazone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2360-2363.	1.0	56
4	Design, synthesis and biological evaluation of novel β -pinene-based thiazole derivatives as potential anticancer agents via mitochondrial-mediated apoptosis pathway. <i>Bioorganic Chemistry</i> , 2019, 84, 468-477.	2.0	56
5	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> , 2020, 8, 12348-12359.	3.2	55
6	Synthesis, in vitro antimicrobial and cytotoxic activities of new carbazole derivatives of ursolic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 554-557.	1.0	50
7	Design, synthesis and in vitro anticancer activity of novel quinoline and oxadiazole derivatives of ursolic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4128-4132.	1.0	45
8	Synthesis and characteristics of tung oil-based acrylated-alkyd resin modified by isobornyl acrylate. <i>RSC Advances</i> , 2017, 7, 30439-30445.	1.7	44
9	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> , 2019, 171, 107702.	2.0	42
10	Metal Nitrate Catalysis for Selective Oxidation of 5-Hydroxymethylfurfural into 2,5-Diformylfuran under Oxygen Atmosphere. <i>ACS Omega</i> , 2019, 4, 7054-7060.	1.6	40
11	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> , 2014, 24, 328-331.	1.0	38
12	A novel isolongifolanone based fluorescent probe with super selectivity and sensitivity for hypochlorite and its application in bio-imaging. <i>Analytica Chimica Acta</i> , 2019, 1051, 169-178.	2.6	32
13	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> , 2022, 422, 126891.	6.5	32
14	An easily available camphor-derived ratiometric fluorescent probe with AIE feature for sequential Ga ³⁺ 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> , 2020, 320, 128249.	4.0	32
15	Thermo-pH-responsive preservative delivery based on TEMPO cellulose nanofiber/cationic copolymer hydrogel film in fruit packaging. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1911-1924.	3.6	31
16	Synthesis and in vitro cytotoxic evaluation of new 1H-benzo[d]imidazole derivatives of dehydroabiatic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1296-1300.	1.0	30
17	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> , 2022, 70, 669-679.	2.4	29
18	Synthesis and Evaluation of New Quinoxaline Derivatives of Dehydroabiatic Acid as Potential Antitumor Agents. <i>Molecules</i> , 2017, 22, 1154.	1.7	28

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19	Nopinone-based AIE-active dual-functional fluorescent chemosensor for Hg ²⁺ and Cu ²⁺ and its environmental and biological applications. Dalton Transactions, 2020, 49, 15299-15309.	1.6	27
20	Three novel camphor-based fluorescence probes for ratiometric detection of hypochlorite and bio-imaging in living cells. Sensors and Actuators B: Chemical, 2019, 284, 148-158.	4.0	25
21	Antioxidant Properties of Camphene-Based Thiosemicarbazones: Experimental and Theoretical Evaluation. Molecules, 2020, 25, 1192.	1.7	23
22	A highly sensitive and selective fluorescent probe for quantitative detection of Al ³⁺ in food, water, and living cells. RSC Advances, 2019, 9, 10414-10419.	1.7	21
23	Factors influencing the morphology and adsorption performance of cellulose nanocrystal/iron oxide nanorod composites for the removal of arsenic during water treatment. International Journal of Biological Macromolecules, 2020, 156, 1418-1424.	3.6	21
24	A type of selectively pH-sensing 8-hydroxyquinoline-substituted gallium(III) corrole. New Journal of Chemistry, 2019, 43, 18012-18017.	1.4	20
25	A novel hexahydroquinazolin-2-amine-based fluorescence sensor for Cu ²⁺ from isolongifolanone and its biological applications. RSC Advances, 2017, 7, 33263-33272.	1.7	19
26	Highly efficient coumarin-derived colorimetric chemosensors for sensitive sensing of fluoride ions and their applications in logic circuits. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 255, 119718.	2.0	18
27	Synthesis, optical properties, and cellular imaging of novel quinazolin-2-amine nopinone derivatives. Dyes and Pigments, 2016, 128, 75-83.	2.0	17
28	Synthesis and biological evaluation of 2-aryl-benzimidazole derivatives of dehydroabiatic acid as novel tubulin polymerization inhibitors. RSC Advances, 2018, 8, 17511-17526.	1.7	17
29	Novel Nopinone-Based Turn-on Fluorescent Probe for Hydrazine in Living Cells with High Selectivity. Industrial & Engineering Chemistry Research, 2019, 58, 22754-22762.	1.8	17
30	A nopinone based multi-functional probe for colorimetric detection of Cu ²⁺ and ratiometric detection of Ag ⁺ . Photochemical and Photobiological Sciences, 2020, 19, 49-55.	1.6	17
31	A novel nopinone-based fluorescent probe for colorimetric and ratiometric detection of hypochlorite and its applications in water samples and living cells. Analyst, The, 2020, 145, 1033-1040.	1.7	17
32	A simple camphor based AIE fluorescent probe for highly specific and sensitive detection of hydrazine and its application in living cells. Analytical Methods, 2019, 11, 3958-3965.	1.3	16
33	Red/NIR neutral BODIPY-based fluorescent probes for lighting up mitochondria. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119199.	2.0	16
34	Gold-Catalyzed Dehydrogenative Cycloisomerization of 1,4-Enyne Esters to 3,5-Disubstituted Phenol Derivatives. Advanced Synthesis and Catalysis, 2017, 359, 4359-4368.	2.1	15
35	Two D-π-A type fluorescent probes based on isolongifolanone for sensing acidic pH with large Stokes shifts. Tetrahedron, 2018, 74, 3030-3037.	1.0	15
36	Efficient energy transfer in a tri-chromophoric dyad containing BODIPYs and corrole based on a truxene platform. Journal of Porphyrins and Phthalocyanines, 2018, 22, 777-783.	0.4	15

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37	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> , 2018, 360, 3700-3708.	2.1	15
38	Quantitatively analysis and detection of CN ⁻ in three food samples by a novel nopinone-based fluorescent probe. <i>Food Chemistry</i> , 2022, 379, 132153.	4.2	15
39	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> , 2020, 239, 118470.	2.0	14
40	Isolongifolanone-based molecular fluorescence marker for imaging endogenous Zn ²⁺ in vivo. <i>Tetrahedron</i> , 2017, 73, 5912-5919.	1.0	13
41	A novel dual-response fluorescent probe based on nopinone for discriminative detection of hydrazine and bisulfate from different emission channels. <i>Tetrahedron Letters</i> , 2020, 61, 152103.	0.7	12
42	Pyrazole ring-containing isolongifolanone derivatives as potential CDK2 inhibitors: Evaluation of anticancer activity and investigation of action mechanism. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111663.	2.5	12
43	A novel tetrahydroquinazolin-2-amine-based high selective fluorescent sensor for Zn ²⁺ from nopinone. <i>Tetrahedron</i> , 2016, 72, 4503-4509.	1.0	11
44	Synthesis and antitumor activity of isolongifolenol[7,8-dithiazolo[3,2-a]pyrimidine derivatives via enhancing ROS level. <i>Chemical Biology and Drug Design</i> , 2019, 94, 1457-1466.	1.5	11
45	Novel camphor-based pyrimidine derivatives induced cancer cell death through a ROS-mediated mitochondrial apoptosis pathway. <i>RSC Advances</i> , 2019, 9, 29711-29720.	1.7	11
46	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> , 2019, 2019, 999-1007.	1.2	11
47	A novel berberine-based colorimetric and fluorimetric probe for hydrazine detection. <i>New Journal of Chemistry</i> , 2020, 44, 15752-15757.	1.4	11
48	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> , 2020, 68, 971-980.	0.6	11
49	A novel AlE-active camphor-based fluorescent probe for simultaneous detection of Al ³⁺ and Zn ²⁺ at dual channels in living cells and zebrafish. <i>Analyst</i> , 2021, 147, 87-100.	1.7	11
50	FACILE AND EFFICIENT SYNTHESIS OF ISOLONGIFOLENONE. <i>Organic Preparations and Procedures International</i> , 2008, 40, 405-410.	0.6	10
51	Recent developments in dipyrin based metal complexes: Self-assembled nanoarchitectures and materials applications. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 646-661.	0.4	10
52	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> , 2022, 271, 120882.	2.0	10
53	Chemical characterization of smoke from the production process of wood-plastic composites. <i>Forestry Studies in China</i> , 2007, 9, 57-62.	0.4	9
54	Synthesis and antitumor activity of 2-isocamphanyl thiosemicarbazone derivatives via ROS-enhanced mitochondrial damage. <i>Chemical Biology and Drug Design</i> , 2019, 94, 1281-1291.	1.5	9

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55	WSF-7 Inhibits Obesity-Mediated PPAR β Phosphorylation and Improves Insulin Sensitivity in 3T3-L1 Adipocytes. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 526-532.	0.6	9
56	Synthesis, Antitumor and Anti-inflammatory Activities of Isolongifolanonyl Pyrazole Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 2183.	0.6	9
57	Synthesis, optical properties, and acid-base indicating performance of novel ketene hydroxybenzylidene nopinone derivatives. <i>RSC Advances</i> , 2016, 6, 111760-111766.	1.7	8
58	Nopinone-based aggregation-induced emission (AIE)-active difluoroboron β -diketonate complex: photophysical, electrochemical and electroluminescence properties. <i>RSC Advances</i> , 2018, 8, 30055-30060.	1.7	8
59	Two ultrafast responsive isolongifolanone based fluorescent probes for reversible and sensitive visualization of toxic BF ₃ in solution and in gas phase. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127083.	4.0	8
60	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> , 2020, 34, e5411.	1.7	8
61	Discovery of a novel camphor-based fluorescent probe for Co ²⁺ in fresh vegetables with high selectivity and sensitivity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119213.	2.0	8
62	A highly effective α -camphor-based fluorescent probe for rapid and sensitive detection and its biological imaging of Fe ²⁺ . <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6267-6277.	1.9	8
63	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> , 2021, 158, 110705.	2.6	8
64	A Novel Schiff Base-Modified Dialdehyde Cellulose-Based Fluorescent Probe for Al ³⁺ and Its Application in Environmental Analysis. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100608.	2.0	8
65	Fluorescence staining of salicylaldehyde azine, and applications in the determination of potassium tert-butoxide. <i>RSC Advances</i> , 2016, 6, 30636-30641.	1.7	7
66	Synthesis, in vitro Antimicrobial, and Cytotoxic Activities of New 1,3,4-Oxadiazin-5-ylidene Derivatives from Dehydroabiatic Acid. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 538-547.	0.8	7
67	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> , 2019, 52, 100875.	0.8	7
68	Synthesis, optical properties and application of a set of novel pyrazole nopinone derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 60-67.	2.0	6
69	A novel ratiometric fluorescent chemosensor for detecting malononitrile and application assisted with smartphone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120135.	2.0	6
70	Synthesis and Biological Activity of Novel Pinanyl Pyrazole Acetamide Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 218.	0.6	6
71	WSF-P-1, a novel AMPK activator, promotes adiponectin multimerization in 3T3-L1 adipocytes. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1529-1535.	0.6	5
72	Metal-Free Epoxidation of Internal and Terminal Alkenes with tert-Butyl Hydroperoxide/Isobutyraldehyde/Oxygen System. <i>ChemistrySelect</i> , 2018, 3, 4818-4821.	0.7	5

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73	A novel berberine-based colorimetric and fluorometric probe for Hg ²⁺ detection and its applications in water samples. <i>Inorganic Chemistry Communication</i> , 2021, 132, 108847.	1.8	5
74	Oxidative Esterification of Aldehydes and Alcohols Catalyzed by Camphor-Based Imidazolium Salts. <i>Catalysis Letters</i> , 2020, 150, 1812-1820.	1.4	4
75	A novel AIE fluorescent probe based on myrtenal for Cu ²⁺ detection in a near-perfect aqueous medium and bioimaging in vegetables and zebrafish. <i>New Journal of Chemistry</i> , 2021, 45, 15247-15254.	1.4	4
76	Pyrimidin-2-amine derivative-grafted cellulose ratiometric fluorescent probe for pH detection in extremely acidic media. <i>Cellulose</i> , 2021, 28, 10441-10455.	2.4	4
77	An isocamphanyl-based fluorescent "turn-on" probe for highly sensitive and selective detection of Ga ³⁺ and application <i>in vivo</i> and <i>in vitro</i> . <i>Analyst</i> , The, 2021, 146, 7294-7305.	1.7	4
78	Rational design of a facile camphor-based fluorescence turn-on probe for real-time tracking of hypochlorous acid <i>in vivo</i> and <i>in vitro</i> . <i>Analyst</i> , The, 2022, 147, 2080-2088.	1.7	4
79	A New Cellulose-Based Fluorescent Probe for Specific and Sensitive Detection of Cu ²⁺ and Its Applications in the Analysis of Environmental Water. <i>Polymers</i> , 2022, 14, 2146.	2.0	4
80	Substituted Acene Derivatives: Synthesis, Optical Property and Self-Assembly Behavior. <i>ChemistrySelect</i> , 2018, 3, 2692-2696.	0.7	2
81	Synthesis and Antiproliferative Activity of Isolongifolanone Pyrazoline Derivatives Inducing Intracellular ROS Accumulation. <i>Pharmaceutical Chemistry Journal</i> , 2019, 53, 706-712.	0.3	2
82	WSF-CT-11, a Sesquiterpene Derivative, Activates AMP-Activated Protein Kinase with Anti-diabetic Effects in 3T3-L1 Adipocytes. <i>ACS Omega</i> , 2021, 6, 31272-31281.	1.6	2
83	An Efficient Synthesis of 3,5-Dimethoxy-2,4-Difluorobenzoic Acid. <i>Journal of Chemical Research</i> , 2017, 41, 239-240.	0.6	1
84	A practical synthesis of 3-chloro-2,4-difluoro-5-hydroxybenzoic acid. <i>Journal of Chemical Research</i> , 2021, 45, 166-171.	0.6	1
85	Model and research on score evaluation model of graduation thesis. , 2014, , .		0