

Yunsheng Xue

List of Publications by Year in descending order

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papers

874
citations

471509

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all docs

33
docs citations

33
times ranked

858
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory study of the structure-antioxidant activity of polyphenolic deoxybenzoins. <i>Food Chemistry</i> , 2014, 151, 198-206.	8.2	125
2	Theoretical study on the structural and antioxidant properties of some recently synthesised 2,4,5-trimethoxy chalcones. <i>Food Chemistry</i> , 2015, 171, 89-97.	8.2	124
3	Design, synthesis, quantum chemical studies and biological activity evaluation of pyrazole-benzimidazole derivatives as potent Aurora A/B kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3523-3530.	2.2	80
4	Dual-Responsive Ratiometric Fluorescent Probe for Hypochlorite and Peroxynitrite Detection and Imaging In Vitro and In Vivo. <i>Analytical Chemistry</i> , 2022, 94, 1415-1424.	6.5	50
5	Computational study on the antioxidant property of coumarin-fused coumarins. <i>Food Chemistry</i> , 2020, 304, 125446.	8.2	49
6	The conformational, electronic and spectral properties of chalcones: A density functional theory study. <i>Computational and Theoretical Chemistry</i> , 2009, 901, 226-231.	1.5	46
7	Theoretical study on the antioxidant properties of 2-hydroxychalcones: H-atom vs. electron transfer mechanism. <i>Journal of Molecular Modeling</i> , 2013, 19, 3851-3862.	1.8	39
8	Antiradical Activity and Mechanism of Coumarin-Chalcone Hybrids: Theoretical Insights. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8520-8529.	2.5	38
9	A theoretical study of the structure-radical scavenging activity of hydroxychalcones. <i>Computational and Theoretical Chemistry</i> , 2012, 982, 74-83.	2.5	34
10	Structure and electronic spectral property of coumarin-chalcone hybrids: A comparative study using conventional and long-range corrected hybrid functionals. <i>Computational and Theoretical Chemistry</i> , 2012, 981, 90-99.	2.5	32
11	Electronic structure and spectral properties of aurones as visible range fluorescent probes: a DFT/TDDFT study. <i>RSC Advances</i> , 2016, 6, 7002-7010.	3.6	28
12	An ab initio simulation of the UV/Visible spectra of substituted chalcones. <i>Open Chemistry</i> , 2010, 8, 928-936.	1.9	27
13	Antioxidant and spectral properties of chalcones and analogous aurones: Theoretical insights. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25808.	2.0	25
14	A DFT study on the structure and radical scavenging activity of newly synthesized hydroxychalcones. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 240-248.	1.9	24
15	Antioxidant activity and mechanism of dihydrochalcone C-glycosides: Effects of C-glycosylation and hydroxyl groups. <i>Phytochemistry</i> , 2020, 179, 112393.	2.9	21
16	Electronic structures and spectra of quinoline chalcones: DFT and TDDFT-PCM investigation. <i>Computational and Theoretical Chemistry</i> , 2011, 965, 146-153.	2.5	20
17	TDDFT study on the photophysical properties of coumarinyl chalcones and sensing mechanism of a derived fluorescent probe for hydrogen sulfide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 234, 118263.	3.9	18
18	Antioxidant Activity and Mechanism of Avenanthramides: Double H ⁺ /e ⁻ Processes and Role of the Catechol, Guaiacyl, and Carboxyl Groups. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7178-7189.	5.2	17

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19	A reaction-based near-infrared fluorescent probe that can visualize endogenous selenocysteine in vivo in tumor-bearing mice. <i>Analyst, The</i> , 2018, 143, 4860-4869.	3.5	16
20	Computational insight into the cooperative role of non-covalent interactions in the aza-Henry reaction catalyzed by quinine derivatives: mechanism and enantioselectivity. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9588-9597.	2.8	11
21	A near-infrared fluorescent probe that can image endogenous hydrogen polysulfides in vivo in tumour-bearing mice. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 911-919.	2.8	10
22	Asymmetric aza-Morita-Baylis-Hillman reactions of chiral N-phosphonyl imines with acrylates via GAP chemistry/technology. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6024-6035.	2.8	7
23	A novel fluorescence sensor for relay recognition of zinc ions and nitric oxide through fluorescence "off-on" functionality. <i>New Journal of Chemistry</i> , 2021, 45, 2958-2966.	2.8	7
24	Effects of hydroxyl group, glycosylation and solvents on the antioxidant activity and mechanism of maclurin and its derivatives: Theoretical insights. <i>Journal of Molecular Liquids</i> , 2022, 351, 118609.	4.9	7
25	Density Functional and Kinetic Monte Carlo Study of Cu-Catalyzed Cross-Dehydrogenative Coupling Reaction of Thiazoles with THF. <i>Journal of Organic Chemistry</i> , 2016, 81, 1806-1812.	3.2	4
26	Synthesis and Quantum Chemical Studies of New 4-aminoquinazoline Derivatives as Aurora A/B Kinase Inhibitors. <i>Chemical Biology and Drug Design</i> , 2013, 81, 399-407.	3.2	3
27	Microwave Irradiation Assisted Selective Synthesis of 4,6-Diaryl-3,4-dihydropyrimidin-2(1 <i>H</i>)-ones and Pyrimidin-2(1 <i>H</i>)-ones. <i>Chinese Journal of Organic Chemistry</i> , 2012, 32, 1108.	1.3	3
28	Decomposition of copper(II) amino acid complexes by oxalic acid dihydrate. <i>Canadian Journal of Chemistry</i> , 2012, 90, 557-559.	1.1	2
29	Design, Synthesis, and In vitro Antitumor Evaluation of Novel Phenylaminopyrimidine Derivatives. <i>Medicinal Chemistry</i> , 2013, 9, 340-350.	1.5	2
30	Microwave-Assisted Synthesis of New 6-Ureido-4-anilinoquinazoline Derivatives. <i>Asian Journal of Chemistry</i> , 2016, 28, 95-98.	0.3	1
31	Photophysical properties and sensing mechanism of fluorescent coumarin-chalcone hybrid for biothiols: A theoretical study. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, .	1.9	1