

Yuan Guo

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,454
citations

257450

24
h-index

315739

38
g-index

53
all docs

53
docs citations

53
times ranked

1605
citing authors

#	ARTICLE	IF	CITATIONS
1	Native Chemical Ligation Combined with Spirocyclization of Benzopyrylium Dyes for the Ratiometric and Selective Fluorescence Detection of Cysteine and Homocysteine. <i>Analytical Chemistry</i> , 2014, 86, 1800-1807.	6.5	150
2	Evaluation of HOCl-generating anticancer agents by an ultrasensitive dual-mode fluorescent probe. <i>Chemical Science</i> , 2019, 10, 3715-3722.	7.4	96
3	A highly selective ratiometric and colorimetric chemosensor for Cyanide detection. <i>Dyes and Pigments</i> , 2013, 98, 327-332.	3.7	80
4	Coumarin-derived Fe ³⁺ -selective fluorescent turn-off chemosensors: synthesis, properties, and applications in living cells. <i>RSC Advances</i> , 2014, 4, 248-253.	3.6	70
5	Novel Coumarin-based Fluorescent Probe for Selective Detection of Bisulfite Anion in Water. <i>Chinese Journal of Chemistry</i> , 2010, 28, 55-60.	4.9	65
6	A facile fluorescent probe with a large Stokes shift for sequentially detecting copper and sulfide in 100% aqueous solution and imaging them in living cells. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 600-608.	7.8	65
7	Two-Dimensional Design Strategy to Construct Smart Fluorescent Probes for the Precise Tracking of Senescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10756-10765.	13.8	65
8	A Hybrid Coumarin-Thiazole Fluorescent Sensor for Selective Detection of Bisulfite Anions in Vivo and in Real Samples. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1817-1822.	3.3	64
9	A highly sensitive and rapidly responding fluorescent probe based on a rhodol fluorophore for imaging endogenous hypochlorite in living mice. <i>Journal of Materials Chemistry B</i> , 2018, 6, 725-731.	5.8	63
10	A ratiometric fluorescent probe for gasotransmitter hydrogen sulfide based on a coumarin-benzopyrylium platform. <i>Analytica Chimica Acta</i> , 2015, 859, 59-65.	5.4	56
11	First-generation species-selective chemical probes for fluorescence imaging of human senescence-associated β -galactosidase. <i>Chemical Science</i> , 2020, 11, 7292-7301.	7.4	55
12	A novel colorimetric and ratiometric fluorescent probe for selective detection of bisulfite in real samples and living cells. <i>Dyes and Pigments</i> , 2019, 163, 285-290.	3.7	46
13	Reaction-based colorimetric and ratiometric fluorescent probe for highly selective detection of silver ions. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 562-569.	7.8	38
14	Spiropyran <i>in Situ</i> Switching: A Real-Time Fluorescence Strategy for Tracking DNA G-Quadruplexes in Live Cells. <i>Analytical Chemistry</i> , 2019, 91, 5354-5361.	6.5	35
15	Coumarin-hemicyanine conjugates as novel reaction-based sensors for cyanide detection: convenient synthesis and ICT mechanism. <i>RSC Advances</i> , 2014, 4, 19077.	3.6	34
16	Novel selective fluorescent probes for sensing Zn ²⁺ ions based on a coumarin Schiff-base. <i>Tetrahedron Letters</i> , 2013, 54, 4945-4949.	1.4	33
17	Nucleophilic Phosphine-Catalyzed Intramolecular Michael Reactions of N-Allylic Substituted β -Amino Nitriles: Construction of Functionalized Pyrrolidine Rings via 5-endo-trig Cyclizations. <i>Journal of Organic Chemistry</i> , 2014, 79, 4456-4462.	3.2	33
18	A general strategy for selective detection of hypochlorous acid based on triazolopyridine formation. <i>Chinese Chemical Letters</i> , 2020, 31, 2917-2920.	9.0	33

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19	Curcumin-based polarity fluorescent probes: Design strategy and biological applications. <i>Dyes and Pigments</i> , 2020, 177, 108320.	3.7	32
20	A mitochondria-specific fluorescent probe based on triazolopyridine formation for visualizing endogenous hypochlorous acid in living cells and zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128288.	7.8	30
21	The synthesis and study of the fluorescent probe for sensing Cu ²⁺ based on a novel coumarin Schiff-base. <i>Chinese Chemical Letters</i> , 2014, 25, 1082-1086.	9.0	28
22	Selective visualization of live-cell mitochondrial thiophenols and their induced oxidative stress process by a rationally designed rhodol-based fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 820-830.	7.8	28
23	A Coumarin-Based Fluorescent Chemosensor for Zn ²⁺ in Aqueous Ethanol Media. <i>Journal of Fluorescence</i> , 2010, 20, 851-856.	2.5	27
24	Selective and "turn-off" fluorimetric detection of mercury(II) based on coumarinyldithiolane and coumarinyldithiane in aqueous solution. <i>Materials Research Bulletin</i> , 2015, 63, 155-163.	5.2	26
25	Stress response decay with aging visualized using a dual-channel logic-based fluorescent probe. <i>Chemical Science</i> , 2021, 12, 13483-13491.	7.4	24
26	Highly Selective and Sensitive 2-(2-Hydroxyphenyl)benzothiazole-Based Turn-On Fluorescent Probes for Detecting and Imaging Bisulfite in Living Cells. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 563-569.	2.7	21
27	Lysosomal polarity increases with aging as revealed by a lysosome-targetable near-infrared fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128302.	7.8	21
28	A Novel Dual Channel Fluorescent Probe for Ca ²⁺ and Zn ²⁺ Based on a Coumarin Schiff Base. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1263-1269.	4.9	20
29	Water-soluble coumarin oligomer based ultra-sensitive iron ion probe and applications. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128361.	7.8	18
30	Novel Synthetic Method for Muscone. <i>Synthetic Communications</i> , 2005, 35, 2489-2494.	2.1	11
31	Novel Coumarin-Based Fluorescent Probes for Detecting Fluoride Ions in Living Cells. <i>Acta Chimica Sinica</i> , 2017, 75, 383.	1.4	11
32	Small-molecule fluorescence-based probes for aging diagnosis. , 2022, 1, .		11
33	Synthesis of densely functionalized α -methylene β -butyrolactones via an organocatalytic one-pot allylic-alkylation-cyclization reaction. <i>Tetrahedron Letters</i> , 2014, 55, 479-482.	1.4	10
34	Real-time tracking and dual-mode imaging of hypochlorous acid in vivo by a small-sized fluorescence probe. <i>Dyes and Pigments</i> , 2021, 188, 109219.	3.7	10
35	Role of Azole Drugs in Promoting Fungal Cell Autophagy Revealed by an NIR Fluorescence-Based Theranostic Probe. <i>Analytical Chemistry</i> , 2022, 94, 7092-7099.	6.5	8
36	Effect of Structure and Conformation on Fluorescence Properties in Novel Coumarin-based Mannich Base Dyes. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 1439-1445.	1.4	7

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37	Two-Dimensional Design Strategy to Construct Smart Fluorescent Probes for the Precise Tracking of Senescence. <i>Angewandte Chemie</i> , 2021, 133, 10851-10860.	2.0	6
38	Biomimetic Synthesis of Symmetric Acyclic Diketones. <i>Synthetic Communications</i> , 2004, 34, 3183-3189.	2.1	5
39	A highly water-soluble rhodol-based fluorescent probe for the organic-solvent independent sensing of biological hypochlorous acid. <i>Dyes and Pigments</i> , 2022, 204, 110435.	3.7	4
40	A Novel Synthetic Method for the Preparation of Aliphatic Aldehydes from the Corresponding Carboxylic Acids. <i>Chinese Journal of Chemistry</i> , 2011, 29, 489-492.	4.9	3
41	A theranostic probe of indoleamine 2,3-dioxygenase 1 (IDO1) for small molecule cancer immunotherapy. <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113163.	5.5	3
42	Covert Mannich Reaction via Carbon Transfer. <i>Synthetic Communications</i> , 2006, 36, 3335-3338.	2.1	2
43	Biomimetic Synthesis of Twenty-four Long-chained Diketones as Precursors for Muscone and Further Macrocyclic Ketones. <i>Chinese Journal of Chemistry</i> , 2008, 26, 2249-2255.	4.9	2
44	Novel Synthesis of β -Diketones from Bisbenzimidazolium Salt and Grignard Reagents. <i>Chinese Journal of Chemistry</i> , 2001, 19, 811-813.	4.9	2
45	A Novel Method for Biomimetic Synthesis of Mannich Bases. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1561-1564.	4.9	1
46	Novel Coumarin-Based Fluorescent Probes for Detecting Zn^{2+} in Living Cells. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 787.	1.3	1
47	A Rhodol-based Fluorescent Probe with a Pair of Hydrophilic and Rotatable Wings for Sensitively Monitoring Intracellular Polarity. <i>Chemistry - an Asian Journal</i> , 2022, , .	3.3	1
48	Biomimetic Synthesis of Symmetric Acyclic Diketones. <i>ChemInform</i> , 2005, 36, no.	0.0	0