

Dhiraj P Murale

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

945
citations

394421

19
h-index

454955

30
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35
all docs

35
docs citations

35
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Selective Excited State Intramolecular Proton Transfer (ESIPT)-Based Superoxide Probing. <i>Organic Letters</i> , 2013, 15, 3946-3949.	4.6	116
2	Photo-affinity labeling (PAL) in chemical proteomics: a handy tool to investigate protein-protein interactions (PPIs). <i>Proteome Science</i> , 2016, 15, 14.	1.7	105
3	Novel and selective detection of Tabun mimics. <i>Chemical Communications</i> , 2014, 50, 7531-7534.	4.1	70
4	Highly Fluorescent and Specific Molecular Probing of (Homo)Cysteine or Superoxide: Biothiol Detection Confirmed in Living Neuronal Cells. <i>Organic Letters</i> , 2013, 15, 3630-3633.	4.6	51
5	Crosstalk between Oxidative Stress and Tauopathy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1959.	4.1	51
6	Recent trends in molecular aggregates: An exploration of biomedicine. <i>Aggregate</i> , 2022, 3, .	9.9	50
7	Extremely selective "turn-on" fluorescence detection of hypochlorite confirmed by proof-of-principle neurological studies via esterase action in living cells. <i>Analyst</i> , 2013, 138, 2829.	3.5	44
8	Novel reversible and selective nerve agent simulant detection in conjunction with superoxide "turn-on" probing. <i>Analyst</i> , 2014, 139, 1614.	3.5	41
9	Novel sulphur-rich BODIPY systems that enable stepwise fluorescent O-atom turn-on and H ₂ O ₂ neuronal system probing. <i>Chemical Communications</i> , 2012, 48, 7298.	4.1	39
10	A novel, selective, and extremely responsive thienyl-based dual fluorogenic probe for tandem superoxide and Hg ²⁺ chemosensing. <i>Dalton Transactions</i> , 2013, 42, 3285-3290.	3.3	36
11	Fluorescence probing of the ferric Fenton reaction via novel chelation. <i>Chemical Communications</i> , 2014, 50, 359-361.	4.1	31
12	Rapid and selective detection of Cys in living neuronal cells utilizing a novel fluorescein with chloropropionate "ester" functionalities. <i>RSC Advances</i> , 2014, 4, 5289.	3.6	30
13	Bulk Aggregation Based Fluorescence Turn-On Sensors for Selective Detection of Progesterone in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14642-14647.	13.8	27
14	Mercuric-triggered hydrogen peroxide "turn-on" fluorescence detection in neuronal cells with novel fluorescein-based probe obtained in one pot. <i>Analytical Methods</i> , 2013, 5, 2650.	2.7	25
15	Facile "one pot" route to the novel benzazulene-type dye class: asymmetric, derivatizable, 5-7-6 fused ring puckered half BODIPY design. <i>Chemical Communications</i> , 2011, 47, 12512.	4.1	24
16	Discrimination of Avian Influenza Virus Subtypes using Host-Cell Infection Fingerprinting by a Sulfinate-based Fluorescence Superoxide Probe. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9716-9721.	13.8	22
17	Rational design of a photo-crosslinking BODIPY for in situ protein labeling. <i>Chemical Communications</i> , 2015, 51, 6643-6646.	4.1	21
18	Extremely selective fluorescence detection of cysteine or superoxide with aliphatic ester hydrolysis. <i>RSC Advances</i> , 2014, 4, 46513-46516.	3.6	20

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19	Recent advances in protein modifications techniques for the targeting ϵ -terminal cysteine. Peptide Science, 2022, 114, e24235.	1.8	19
20	Novel molecular tools to discriminate Fe ³⁺ and Fe ²⁺ by fluorescence via α -turn-on responses within neuronal cells. Sensors and Actuators B: Chemical, 2013, 185, 755-761.	7.8	17
21	Role of microRNA and Oxidative Stress in Influenza A Virus Pathogenesis. International Journal of Molecular Sciences, 2020, 21, 8962.	4.1	16
22	Development of a bifunctional BODIPY probe for mitochondria imaging and in situ photo-crosslinking in live cell. Dyes and Pigments, 2021, 196, 109830.	3.7	14
23	Recent Developments in Metal-Catalyzed Bio-Orthogonal Reactions for Biomolecule Tagging. ChemBioChem, 2019, 20, 1498-1507.	2.6	12
24	H ⁺ -Assisted fluorescent differentiation of Cu ⁺ and Cu ²⁺ : effect of Al ³⁺ -induced acidity on chemical sensing and generation of two novel and independent logic gating pathways. Chemical Communications, 2015, 51, 6357-6360.	4.1	11
25	The inorganic DMSO/POCl ₃ reaction with BODIPY: wide product formation and implications for biological ROS sensing and neurodegenerative disease research. Journal of Porphyrins and Phthalocyanines, 2012, 16, 1201-1208.	0.8	9
26	Chloro-Functionalized Photo-crosslinking BODIPY for Glutathione Sensing and Subcellular Trafficking. ChemBioChem, 2018, 19, 1001-1005.	2.6	9
27	Structure-activity relationship of cyclic thiocarbocyanine tau aggregation inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3273-3276.	2.2	8
28	A Pyridinyl-Pyrazole ϵ -BODIPY as Lipid Droplets Probe. Bulletin of the Korean Chemical Society, 2021, 42, 111-114.	1.9	8
29	Reinvestigation of an O-Salicylaldehyde Ester Functional Group in Aqueous Buffer and Discovery of a Coumarin Scaffold Probe for Selective ϵ -Terminal Cysteine Labeling. ChemBioChem, 2018, 19, 2545-2549.	2.6	6
30	Bulk Aggregation Based Fluorescence Turn-On Sensors for Selective Detection of Progesterone in Aqueous Solution. Angewandte Chemie, 2017, 129, 14834-14839.	2.0	4
31	Solvent-controlled Novel Cu ⁺ and Cu ⁺² Fluorescent α -Turn-On ϵ -Probing. Bulletin of the Korean Chemical Society, 2016, 37, 69-76.	1.9	3
32	Chemical Probes and Activity-Based Protein Profiling for Cancer Research. International Journal of Molecular Sciences, 2022, 23, 5936.	4.1	3
33	Combinatorial Dansyl Library and its Applications to pH-Responsive Probes. Combinatorial Chemistry and High Throughput Screening, 2016, 19, 347-352.	1.1	2
34	Discrimination of Avian Influenza Virus Subtypes using Host-Cell Infection Fingerprinting by a Sulfinate-based Fluorescence Superoxide Probe. Angewandte Chemie, 2018, 130, 9864-9869.	2.0	1