

Sivaraman Gandhi

List of Publications by Year in descending order

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72
papers

4,403
citations

76196
40
h-index

106150
65
g-index

73
all docs

73
docs citations

73
times ranked

3843
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemically diverse small molecule fluorescent chemosensors for copper ion. <i>Coordination Chemistry Reviews</i> , 2018, 357, 50-104.	9.5	304
2	Turn-on fluorescent chemosensor for Zn(II) via ring opening of rhodamine spirolactam and their live cell imaging. <i>Analyst</i> , 2012, 137, 5881.	1.7	184
3	Rhodamine based sensor for naked-eye detection and live cell imaging of fluoride ions. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5768.	2.9	168
4	Near Infrared (NIR) absorbing dyes as promising photosensitizer for photo dynamic therapy. <i>Coordination Chemistry Reviews</i> , 2020, 411, 213233.	9.5	160
5	Rhodamine based selective turn-on sensing of picric acid. <i>RSC Advances</i> , 2014, 4, 30828-30831.	1.7	150
6	Highly fluorescent carbon dots from Pseudo-stem of banana plant: Applications as nanosensor and bio-imaging agents. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 894-900.	4.0	150
7	Bioresponsive drug delivery systems in intestinal inflammation: State-of-the-art and future perspectives. <i>Advanced Drug Delivery Reviews</i> , 2019, 146, 248-266.	6.6	142
8	Turn-on fluorogenic and chromogenic detection of Fe(III) and its application in living cell imaging. <i>Journal of Luminescence</i> , 2014, 145, 480-485.	1.5	119
9	Aminoquinoline based highly sensitive fluorescent sensor for lead(II) and aluminum(III) and its application in live cell imaging. <i>Analytica Chimica Acta</i> , 2015, 853, 596-601.	2.6	116
10	Development of a pyrene based turn-on fluorescent chemosensor for Hg ²⁺ . <i>RSC Advances</i> , 2012, 2, 10605.	1.7	103
11	Phenothiazine-diaminomaleonitrile based Colorimetric and Fluorescence Turn-off-on Sensing of Hg ²⁺ and S ²⁻ . <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 232-240.	4.0	99
12	Aminobenzohydrazide based colorimetric and turn-on fluorescence chemosensor for selective recognition of fluoride. <i>Analytica Chimica Acta</i> , 2015, 876, 1-8.	2.6	98
13	Colorimetric and NIR fluorescence receptors for F ⁻ ion detection in aqueous condition and its Live cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3194-3206.	4.0	98
14	Pineapple Peel-Derived Carbon Dots: Applications as Sensor, Molecular Keypad Lock, and Memory Device. <i>ACS Omega</i> , 2018, 3, 12584-12592.	1.6	97
15	Anthracene- and pyrene-bearing imidazoles as turn-on fluorescent chemosensor for aluminum ion in living cells. <i>Dyes and Pigments</i> , 2019, 163, 204-212.	2.0	92
16	Reversible NIR fluorescent probes for Cu ²⁺ ions detection and its living cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3235-3247.	4.0	91
17	Pyrene based selective ratiometric fluorescent sensing of zinc and pyrophosphate ions. <i>Analytical Methods</i> , 2014, 6, 2343-2348.	1.3	86
18	A rhodamine based turn-on fluorescent probe for Pb(II) and live cell imaging. <i>RSC Advances</i> , 2016, 6, 656-660.	1.7	86

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19	Silver@graphene oxide nanocomposite-based optical sensor platform for biomolecules. RSC Advances, 2015, 5, 17809-17816.	1.7	83
20	Quinoline based sensors for bivalent copper ions in living cells. Sensors and Actuators B: Chemical, 2018, 255, 630-637.	4.0	81
21	Rhodamine based effective chemosensor for Chromium(III) and their application in live cell imaging. Sensors and Actuators B: Chemical, 2017, 246, 761-768.	4.0	80
22	Quinazoline copper(II) ensemble as turn-on fluorescence sensor for cysteine and chemodosimeter for NO. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 281, 47-52.	2.0	77
23	Phenothiazine based sensor for naked-eye detection and bioimaging of Hg(II) and F ⁻ ions. RSC Advances, 2015, 5, 94903-94908.	1.7	76
24	A reversible fluorescent chemosensor for the rapid detection of Hg ²⁺ in an aqueous solution: Its logic gates behavior. Sensors and Actuators B: Chemical, 2018, 273, 305-315.	4.0	73
25	Coumarin based hydrazone as an ICT-based fluorescence chemosensor for the detection of Cu ²⁺ ions and the application in HeLa cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 170-176.	2.0	68
26	Anthracene-Based Highly Selective and Sensitive Fluorescent Turn-on Chemodosimeter for Hg ²⁺ . ACS Omega, 2018, 3, 12341-12348.	1.6	67
27	Synthesis of rhodamine based organic nanorods for efficient chemosensor probe for Al (III) ions and its biological applications. Sensors and Actuators B: Chemical, 2018, 254, 795-804.	4.0	65
28	Colorimetric and turn-on fluorescence detection of Ag(I) ion. Tetrahedron Letters, 2014, 55, 671-675.	0.7	64
29	Fluorescence Turn-on chemosensor for selective detection of Hg ²⁺ and S ²⁻ : application to bioimaging in living cells. RSC Advances, 2016, 6, 7668-7673.	1.7	64
30	A Schiff base receptor as a fluorescence turn-on sensor for Ni ²⁺ ions in living cells and logic gate application. New Journal of Chemistry, 2018, 42, 2865-2873.	1.4	59
31	Biomimetic Lipid-Based Nanosystems for Enhanced Dermal Delivery of Drugs and Bioactive Agents. ACS Biomaterials Science and Engineering, 2017, 3, 1262-1272.	2.6	58
32	Diverse benzothiazole based chemodosimeters for the detection of cyanide in aqueous media and in HeLa cells. Sensors and Actuators B: Chemical, 2017, 242, 434-442.	4.0	57
33	Quick accessible dual mode turn-on red fluorescent chemosensor for Cu(II) and its applicability in live cell imaging. RSC Advances, 2013, 3, 17029.	1.7	56
34	Hg ²⁺ mediated quinazoline ensemble for highly selective recognition of Cysteine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 18-24.	2.0	53
35	An efficient Ratiometric fluorescent chemosensor for the selective detection of Hg ²⁺ ions based on phosphonates: its live cell imaging and molecular keypad lock applications. Analytical Methods, 2019, 11, 901-916.	1.3	53
36	Rhodamine-Based Fluorescent Turn-On Probe for Facile Sensing and Imaging of ATP in Mitochondria. ChemistrySelect, 2017, 2, 7654-7658.	0.7	48

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37	Facile Synthesis of Highly Sensitive, Red-Emitting, Fluorogenic Dye for Microviscosity and Mitochondrial Imaging in Embryonic Stem Cells. <i>ChemistrySelect</i> , 2017, 2, 4609-4616.	0.7	47
38	Phenothiazine Based Donor-Acceptor Compounds with Solid-State Emission in the Yellow to NIR Region and Their Highly Selective and Sensitive Detection of Cyanide Ion in ppb Level. <i>Chemistry - A European Journal</i> , 2018, 24, 11042-11050.	1.7	46
39	Boranil dye based turn-on-fluorescent probes for detection of hydrogen peroxide and their cell imaging application. <i>RSC Advances</i> , 2016, 6, 85838-85843.	1.7	45
40	Novel Benzothiazole-Based Highly Selective Ratiometric Fluorescent Turn-On Sensors for Zn ²⁺ and Colorimetric Chemosensors for Zn ²⁺ , Cu ²⁺ , and Ni ²⁺ Ions. <i>ACS Omega</i> , 2021, 6, 24473-24483.	1.6	44
41	A simple pyrazine based ratiometric fluorescent sensor for Ni ²⁺ ion detection. <i>Dyes and Pigments</i> , 2020, 173, 107897.	2.0	42
42	Triphenylamino π -Cyanovinyl- and Cyanoaryl-Based Fluorophores: Solvatochromism, Aggregation-Induced Emission and Electrochemical Properties. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 399-410.	1.3	40
43	Turn-on fluorescence sensor for selective detection of fluoride ion and its molecular logic gates behavior. <i>Journal of Molecular Liquids</i> , 2020, 317, 113913.	2.3	38
44	Rhodamine Diaminomaleonitrile Conjugate as a Novel Colorimetric Fluorescent Sensor for Recognition of Cd ²⁺ Ion. <i>Journal of Fluorescence</i> , 2017, 27, 1109-1115.	1.3	36
45	Execution of julolidine based derivative as bifunctional chemosensor for Zn ²⁺ and Cu ²⁺ ions: Applications in bio-imaging and molecular logic gate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 33-43.	2.0	35
46	A novel curcumin-loaded PLGA micromagnetic composite system for controlled and pH-responsive drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 573, 188-195.	2.3	32
47	Rhodamine-benzothiazole conjugate as an efficient multimodal sensor for Hg ²⁺ ions and its application to imaging in living cells. <i>New Journal of Chemistry</i> , 2018, 42, 11665-11672.	1.4	31
48	Nature inspired singlet oxygen generation to access α -amino carbonyl compounds via 1,2-acyl migration. <i>Green Chemistry</i> , 2021, 23, 379-387.	4.6	31
49	Phenothiazine-rhodamine based colorimetric and fluorogenic 'turn-on' sensor for Zn ²⁺ and bioimaging studies in live cells. <i>Luminescence</i> , 2020, 35, 90-97.	1.5	29
50	Fluorescein-Based Turn On™ Fluorescence Detection of Zn ²⁺ and Its Applications in Imaging of Zn ²⁺ in Apoptotic Cells. <i>ChemistrySelect</i> , 2016, 1, 4024-4029.	0.7	28
51	Fluorescence turn-on-sensor for highly selective recognition of Cu ²⁺ ion and its application to living cell imaging. <i>Inorganic Chemistry Communication</i> , 2019, 104, 110-118.	1.8	28
52	A Fluorescence Switch for the Detection of Nitric Oxide and Histidine and Its Application in Live Cell Imaging. <i>ChemPlusChem</i> , 2014, 79, 1761-1766.	1.3	26
53	A highly potential acyclic Schiff base fluorescent turn on sensor for Zn ²⁺ ions and colorimetric chemosensor for Zn ²⁺ , Cu ²⁺ and Co ²⁺ ions and its applicability in live cell imaging. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 226, 112371.	1.7	26
54	A theranostic nanocomposite system based on iron oxide-drug nanocages for targeted magnetic field responsive chemotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1643-1654.	1.7	24

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55	Efficient green synthesis of N,B co-doped bright fluorescent carbon nanodots and their electrocatalytic and bio-imaging applications. <i>Diamond and Related Materials</i> , 2021, 116, 108437.	1.8	23
56	A Tunable Palette of Molecular Rotors Allows Multicolor, Ratiometric Fluorescence Imaging and Direct Mapping of Mitochondrial Heterogeneity. <i>ACS Applied Bio Materials</i> , 2021, 4, 4361-4372.	2.3	19
57	Selective and sensitive fluorescent sensor for Pd 2+ using coumarin 460 for real-time and biological applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 302-308.	1.7	18
58	Turn-on Fluorescence Chemosensor for Zn ²⁺ Ion Using Salicylate Based Azo Derivatives and their Application in Cell-Bioimaging. <i>Journal of Fluorescence</i> , 2019, 29, 737-749.	1.3	17
59	Reactive oxygen species (ROS)-responsive microspheres for targeted drug delivery of camptothecin. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 52, 722-729.	1.4	17
60	A Fluorescent Turn-On Carbazole-Rhodanine Based Sensor for Detection of Ag ⁺ Ions and Application in Ag ⁺ Ions Imaging in Cancer Cells. <i>Journal of Fluorescence</i> , 2019, 29, 75-89.	1.3	17
61	Colorimetric and fluorescence sensing of Zn ²⁺ ion and its bio-imaging applications based on macrocyclic β -keto- α -hydroxy ketone derivative. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 207, 111854.	1.7	16
62	Rhodamine β -isonicotinic Hydrazide Analogue: A Selective Fluorescent Chemosensor for the Nanomolar Detection of Picric Acid in Aqueous Media. <i>ChemistrySelect</i> , 2019, 4, 3817-3822.	0.7	15
63	Merocyanine Dye-Based Fluorescent Chemosensor for Highly Selective and Sensitive Detection of Hypochlorous Acid and Imaging in Live Cells. <i>ChemistrySelect</i> , 2018, 3, 91-95.	0.7	14
64	Supramolecular self-assembly mediated aggregation-induced emission of fluorene-derived cyanostilbenes: multifunctional probes for live cell-imaging. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2238-2250.	2.9	14
65	Novel pyridoxal based molecular sensor for selective turn-on fluorescent switching functionality towards Zn(II) in live cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 428, 113861.	2.0	14
66	Scaling the effect of hydrophobic chain length on gene transfer properties of di-alkyl, di-hydroxy ethylammonium chloride based cationic amphiphiles. <i>RSC Advances</i> , 2017, 7, 25398-25405.	1.7	13
67	Microwave-Assisted Synthesis of Imidazoquinazoline for Chemosensing of Pb ²⁺ and Fe ³⁺ and Living Cell Application. <i>ChemistrySelect</i> , 2018, 3, 1282-1288.	0.7	13
68	Carbazole β -azine based fluorescence β -off-on β ™ sensor for selective detection of Cu ²⁺ and its live cell imaging. <i>Luminescence</i> , 2017, 32, 1354-1360.	1.5	11
69	Bithiophene triarylborane dyad: An efficient material for the selective detection of CN ⁻ and F ⁻ ions. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5257.	1.7	11
70	Effect of substitution on the excited state photophysical and spectral properties of boron difluoride curcumin complex dye and their derivatives: A time dependent-DFT study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111595.	1.7	7
71	Molecular self-assembly in substituted alanine derivatives: XRD, Hirshfeld surfaces and DFT studies. <i>Journal of Molecular Structure</i> , 2014, 1067, 184-194.	1.8	6
72	Nickel-Catalyzed Desulfurative C-C Cross Coupling: The Synthesis of 6-Aza β -tetrahydroquinazolines and their Solvatochromism. <i>ChemistrySelect</i> , 2016, 1, 1729-1736.	0.7	5