

Recent progress in fluorescent and colorimetric chemosensors

Chemical Society Reviews

41, 52-67

DOI: [10.1039/c1cs15159b](https://doi.org/10.1039/c1cs15159b)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Visual detection of dopamine and monitoring tyrosinase activity using a pyrocatechol violet-Sn ⁴⁺ complex. <i>Chemical Communications</i> , 2011, 47, 12497.	2.2	53
2	Bis- and tris-naphthoimidazolium derivatives for the fluorescent recognition of ATP and GTP in 100% aqueous solution. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8340.	1.5	49
3	Design and Synthesis of Fluorescent Betahistone Conjugates with Unique Imaging Property. <i>Advanced Materials Research</i> , 2012, 557-559, 712-715.	0.3	0
4	A BODIPY based fluorescent chemosensor for Cu(II) ions and homocysteine/cysteine. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 872-877.	4.0	101
5	New Chemodosimetric Reagents as Ratiometric Probes for Cysteine and Homocysteine and Possible Detection in Living Cells and in Blood Plasma. <i>Chemistry - A European Journal</i> , 2012, 18, 15382-15393.	1.7	78
6	Visual chiral recognition of mandelic acid and α -amino acid derivatives by enantioselective gel formation and precipitation. <i>Tetrahedron Letters</i> , 2012, 53, 5745-5748.	0.7	25
7	Fluorescent differentiation and quantificational detection of free tryptophan in serum within a confined metal-organic tetrahedron. <i>Chemical Communications</i> , 2012, 48, 11880.	2.2	38
8	Fluorogenic sensing of CH ₃ CO ₂ ⁻ and H ₂ PO ₄ ⁻ by ditopic receptor through conformational change. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2094.	1.5	21
9	Chemiluminescence detection of amino acids and related compounds using acidic potassium permanganate, manganese(IV) or tris(2,2'-bipyridine)ruthenium(III). <i>Talanta</i> , 2012, 99, 1051-1056.	2.9	15
10	Recognition of myo-inositol 1,4,5-trisphosphate using a fluorescent imidazolium receptor. <i>Chemical Communications</i> , 2012, 48, 7928.	2.2	25
11	A colorimetric and fluorescent dual probe for specific detection of cysteine based on intramolecular nucleophilic aromatic substitution. <i>Analyst</i> , 2012, 137, 5046.	1.7	49
12	A polyoxapolyaza macrobicyclic receptor for the recognition of zwitterions. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5529.	1.5	11
13	Multiple Sensor Array of Mn ²⁺ , Fe ²⁺ , Co ²⁺ , Ni ²⁺ , Cu ²⁺ , and Zn ²⁺ Complexes of a Triazole Linked Imino-Phenol Based Calix[4]arene Conjugate for the Selective Recognition of Asp, Glu, Cys, and His. <i>Analytical Chemistry</i> , 2012, 84, 8294-8300.	3.2	52
14	Photoluminescent and electrochemiluminescent dual-signaling probe for bio-thiols based on a ruthenium(II) complex. <i>Analytica Chimica Acta</i> , 2012, 740, 80-87.	2.6	49
15	1,8-Naphthyridine modified rhodamine B derivative and Cu ²⁺ complex: colorimetric sensing of thiols in aqueous media. <i>Tetrahedron Letters</i> , 2012, 53, 6544-6547.	0.7	25
16	Colorimetric Probe for the Detection of Thiols: The Dihydroazulene/Vinylheptafulvene System. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6064-6069.	1.2	9
17	Metal complexes of amino acids and peptides. <i>Amino Acids, Peptides and Proteins</i> , 2012, , 66-118.	0.7	4
18	Conjugated polydiacetylenes bearing quaternary ammonium groups as a dual colorimetric and fluorescent sensor for ATP. <i>Journal of Materials Chemistry</i> , 2012, 22, 3795.	6.7	47

#	ARTICLE	IF	CITATIONS
19	In Situ Generated 1:1 Zn(II)-Containing Polymer Complex Sensor for Highly Enantioselective Recognition of N-Boc-Protected Alanine. <i>Macromolecules</i> , 2012, 45, 7835-7842.	2.2	40
20	Molecular modulated cysteine-selective fluorescent probe. <i>Biomaterials</i> , 2012, 33, 8495-8502.	5.7	142
21	In situ Cu(II)-containing chiral polymer complex sensor for enantioselective recognition of phenylglycinol. <i>Polymer</i> , 2012, 53, 6033-6038.	1.8	9
22	An indicator-displacement assay for naked-eye detection and quantification of histidine in human urine. <i>Analyst</i> , The, 2012, 137, 2124.	1.7	82
23	A Zn ²⁺ specific triazole based calix[4]arene conjugate (L) as a fluorescence sensor for histidine and cysteine in HEPES buffer milieu. <i>Analyst</i> , The, 2012, 137, 4069.	1.7	32
24	Reactive Probes for Ratiometric Detection of Co ²⁺ and Cu ⁺ Based on Excited-State Intramolecular Proton Transfer Mechanism. <i>Organic Letters</i> , 2012, 14, 6008-6011.	2.4	129
25	A silica nanoparticle-based sensor for selective fluorescent detection of homocysteine via interaction differences between thiols and particle-surface-bound polymers. <i>Nanotechnology</i> , 2012, 23, 305503.	1.3	26
26	Thermally reversible polydiacetylenes derived from ethylene oxide-containing bisdiacetylenes. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 419-425.	4.0	28
27	A fluorescein-based probe with high selectivity to cysteine over homocysteine and glutathione. <i>Chemical Communications</i> , 2012, 48, 8341.	2.2	249
28	A highly selective ratiometric near-infrared fluorescent cyanine sensor for cysteine with remarkable shift and its application in bioimaging. <i>Chemical Science</i> , 2012, 3, 2760.	3.7	416
29	A Naphthalimide-Based Glyoxal Hydrazone for Selective Fluorescence Turn-On Sensing of Cys and Hcy. <i>Organic Letters</i> , 2012, 14, 520-523.	2.4	191
30	Recognition and sensing of various species using boronic acid derivatives. <i>Chemical Communications</i> , 2012, 48, 5956.	2.2	209
31	Polydiacetylene-Based Electrospun Fibers for Detection of HCl Gas. <i>Macromolecular Rapid Communications</i> , 2012, 33, 972-976.	2.0	85
32	Spectroscopic probes with changeable π -conjugated systems. <i>Chemical Communications</i> , 2012, 48, 8732.	2.2	154
33	New thiazolothiazole derivatives as fluorescent chemosensors for Cr ³⁺ and Al ³⁺ . <i>Dyes and Pigments</i> , 2012, 94, 423-426.	2.0	136
34	A new rhodamine derivative bearing benzothiazole and thiocarbonyl moieties as a highly selective fluorescent and colorimetric chemodosimeter for Hg ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 948-953.	4.0	97
36	Colorimetric and fluorescent dual detection of paraquat and diquat based on an anionic polythiophene derivative. <i>Analyst</i> , The, 2013, 138, 5572.	1.7	21
37	Flavone modified- β -cyclodextrin as a highly selective and efficient fluorescent chemosensor for Cu ²⁺ ions and l-histidine. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 59-64.	4.0	33

#	ARTICLE	IF	CITATIONS
38	The first ratiometric probe for lysine in water. <i>Tetrahedron</i> , 2013, 69, 2118-2123.	1.0	34
39	A coumarin-based chromogenic and ratiometric probe for hydrazine. <i>Analytical Methods</i> , 2013, 5, 2653.	1.3	66
40	Fluorescent detection of biothiols based on a novel cascade reaction. <i>Analytical Methods</i> , 2013, 5, 3642.	1.3	7
41	Ratiometric fluorescence and colorimetric sensing of anion utilizing simple Schiff base derivatives. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 76, 99-105.	1.6	9
42	New fluorescent receptor composed of two imidazoliums, two pyrenes and a boronic acid for the recognition of DOPAC. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 611-617.	4.0	11
43	Simultaneous determination of selenium containing amino acids and their sulfur-analogues in green tea and gynostemma pentaphyllum infusion with high performance liquid chromatography based on fluorescence labeling. <i>Microchemical Journal</i> , 2013, 110, 192-197.	2.3	11
44	Designing a thiol specific fluorescent probe for possible use as a reagent for intracellular detection and estimation in blood serum: kinetic analysis to probe the role of intramolecular hydrogen bonding. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6604.	1.5	42
45	Naphthalimide trifluoroacetyl acetate: a hydrazine-selective chemodosimetric sensor. <i>Chemical Science</i> , 2013, 4, 4121.	3.7	195
46	Fluorescent primary sensor for zinc and resultant complex as secondary sensor towards phosphorylated biomolecules: INHIBIT logic gate. <i>Inorganica Chimica Acta</i> , 2013, 399, 1-5.	1.2	12
47	Chemosensitive chlorophyll derivatives: optical detection of various amines by synthetic 3-trifluoroacetyl-131-deoxy-pyropheophorbides in solution. <i>Tetrahedron</i> , 2013, 69, 1987-1993.	1.0	8
48	A ratiometric fluorescent probe for fluoride ions with a tridentate receptor of boronic acid and imidazolium. <i>Tetrahedron Letters</i> , 2013, 54, 2755-2758.	0.7	36
49	Metal complex of polymer with 2-(pyridin-2-yl)-1H-benzo[d]imidazole unit as a selectivity-tunable chemosensor for amino acids. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 540-547.	4.0	11
50	Fluorescent probes for selective determination of trace level Al ³⁺ : recent developments and future prospects. <i>Analytical Methods</i> , 2013, 5, 6262.	1.3	174
51	Fluorescent Sensor Based on BINOL for Recognition of Cysteine, Homocysteine, and Glutathione. <i>Journal of Organic Chemistry</i> , 2013, 78, 11602-11605.	1.7	60
52	A novel pyrazoline-based selective fluorescent probe for detecting reduced glutathione and its application in living cells and serum. <i>Analyst</i> , 2013, 138, 7169.	1.7	47
53	Tricyanovinyl substituted calix[4]pyrrole: an old yet new potential chemosensor for biothiols. <i>RSC Advances</i> , 2013, 3, 10150.	1.7	6
54	Coumarin-TPA derivative: a reaction-based ratiometric fluorescent probe for Cu(I). <i>Tetrahedron Letters</i> , 2013, 54, 5771-5774.	0.7	22
55	Reaction-based probes for Co(II) and Cu(I) with dual output modes: fluorescence live cell imaging. <i>RSC Advances</i> , 2013, 3, 16788.	1.7	51

#	ARTICLE	IF	CITATIONS
56	An iridium(III)-based lab-on-a-molecule for cysteine/homocysteine and tryptophan using triple-channel interrogation. <i>Analyst, The</i> , 2013, 138, 6742.	1.7	39
57	Cyclic benzobisimidazolium derivative for the selective fluorescent recognition of HSO ₄ ⁻ via a combination of C-H hydrogen bonds and charge interactions. <i>Chemical Science</i> , 2013, 4, 1765.	3.7	62
58	Highly selective recognition and ultrasensitive quantification of enantiomers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4478.	2.9	60
59	Oxalate-extended Cd ²⁺ -acylhydrazidate coordination polymers: synthesis, structure and fluorescence property. <i>CrystEngComm</i> , 2013, 15, 5919.	1.3	20
60	Colorimetric and fluorescent detection of protamines with an anionic polythiophene derivative. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6466.	1.5	38
61	Multi-functional fluorescent probe for Hg ²⁺ , Cu ²⁺ and ClO ⁻ based on a pyrimidin-4-yl phenothiazine derivative. <i>Analyst, The</i> , 2013, 138, 6607.	1.7	32
62	New Cd ²⁺ , Pb ²⁺ complexes with acylhydrazidate molecules from in situ acylation reactions. <i>Dalton Transactions</i> , 2013, 42, 8771.	1.6	23
63	Efficient Enhancement of the Visible-Light Absorption of Cyclometalated Ir(III) Complexes Triplet Photosensitizers with Bodipy and Applications in Photooxidation and Triplet-Triplet Annihilation Upconversion. <i>Inorganic Chemistry</i> , 2013, 52, 6299-6310.	1.9	128
64	An iminofluorescein-Cu ²⁺ ensemble probe for selective detection of thiols. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 698-703.	4.0	84
65	An NBD fluorophore-based colorimetric and fluorescent chemosensor for hydrogen sulfide and its application for bioimaging. <i>Tetrahedron</i> , 2013, 69, 867-870.	1.0	92
66	A selective and sensitive fluorescence probe for imaging endogenous zinc in living cells. <i>Tetrahedron</i> , 2013, 69, 15-21.	1.0	34
67	Chromogenic and fluorogenic chemosensors and reagents for anions. A comprehensive review of the years 2010-2011. <i>Chemical Society Reviews</i> , 2013, 42, 3489.	18.7	502
68	Smart Poly(<i>N</i> -isopropylacrylamide) Containing Iridium(III) Complexes as Water-Soluble Phosphorescent Probe for Sensing and Bioimaging of Homocysteine and Cysteine. <i>Macromolecular Rapid Communications</i> , 2013, 34, 81-86.	2.0	34
69	A fast response squaraine-based colorimetric probe for detection of thiols in physiological conditions. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 886-893.	4.0	29
70	Chiral Ar-BINMOL-derived salan as fluorescent sensor for recognition of CuCl and cascade discrimination of α -amino acids. <i>Tetrahedron Letters</i> , 2013, 54, 1584-1588.	0.7	35
71	Highly selective ratiometric fluorescent probe for Au ³⁺ and its application to bioimaging. <i>Biosensors and Bioelectronics</i> , 2013, 49, 438-441.	5.3	85
72	A turn-on highly selective and ultrasensitive determination of copper (II) in an aqueous medium using folic acid capped gold nanoparticles as the probe. <i>Nanotechnology</i> , 2013, 24, 505503.	1.3	6
73	pH-sensitive fluorescent salicylaldehyde derivative for selective imaging of hydrogen sulfide in living cells. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 212-218.	4.0	25

#	ARTICLE	IF	CITATIONS
74	Aminoquinoline-based fluorescent probe for detection of Cu ²⁺ and hydrogen sulfide. <i>Inorganic Chemistry Communication</i> , 2013, 35, 311-314.	1.8	20
75	Synthesis and enantiomeric recognition studies of a novel 5,5-dioxophenothiazine-1,9 bis(thiourea) containing glucopyranosyl groups. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 62-65.	1.8	13
76	Colorimetric and luminescent dual-signaling responsive probing of thiols by a ruthenium(II)-azo complex. <i>Journal of Inorganic Biochemistry</i> , 2013, 121, 108-113.	1.5	19
77	Triplet photosensitizers: from molecular design to applications. <i>Chemical Society Reviews</i> , 2013, 42, 5323.	18.7	1,234
78	Benzthiazole-based multifunctional chemosensor: fluorescent recognition of Fe ³⁺ and chromogenic recognition of. <i>Tetrahedron</i> , 2013, 69, 1606-1610.	1.0	48
79	Rhodamine hydrazone derivatives based selective fluorescent and colorimetric chemodosimeters for Hg ²⁺ and selective colorimetric chemosensor for Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 530-537.	4.0	120
80	Distinct anion sensing by a 2D self-assembled Cu(I)-based metal-organic polymer with versatile visual colorimetric responses and efficient selective separations via anion exchange. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2970.	5.2	30
81	Carbazole phenylthiosemicarbazone-based ensemble of Hg ²⁺ as selective fluorescence turn-on sensor toward cysteine in water. <i>Tetrahedron Letters</i> , 2013, 54, 2946-2951.	0.7	18
82	A squaraine and Hg ²⁺ -based colorimetric and turn-on fluorescent probe for cysteine. <i>Talanta</i> , 2013, 114, 66-72.	2.9	28
83	Colorimetric and Fluorescent Chemosensors for the Detection of 2,4,6-Trinitrophenol and Investigation of their Crystal Structures. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1321-1330.	1.7	78
84	Bodipy Derivatives as Organic Triplet Photosensitizers for Aerobic Photoorganocatalytic Oxidative Coupling of Amines and Photooxidation of Dihydroxynaphthalenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 5627-5637.	1.7	175
85	A highly efficient PET switch on-off fluorescence receptor based on calix[4]arene for the selective recognition of Cd ²⁺ and Sr ²⁺ . <i>Analyst, The</i> , 2013, 138, 2244.	1.7	24
86	Rhodamine hydrazone derivatives bearing thiophene group as fluorescent chemosensors for Hg ²⁺ . <i>Dyes and Pigments</i> , 2013, 99, 323-328.	2.0	76
87	1,8-Naphthalimide-based turn-on fluorescent sensor for the detection of zinc ion in aqueous media and its applications for bioimaging. <i>Tetrahedron Letters</i> , 2013, 54, 3353-3358.	0.7	38
88	Discrimination of enantiomers based on LSPR biosensors fabricated with weak enantioselective and nonselective receptors. <i>Biosensors and Bioelectronics</i> , 2013, 47, 199-205.	5.3	16
89	Intramolecular RET Enhanced Visible Light-Absorbing Bodipy Organic Triplet Photosensitizers and Application in Photooxidation and Triplet-Triplet Annihilation Upconversion. <i>Journal of the American Chemical Society</i> , 2013, 135, 10566-10578.	6.6	211
90	Fluorescence switch on-off receptor constructed of quinoline allied calix[4]arene for selective recognition of Cu ²⁺ from blood serum and F ⁻ from industrial waste water. <i>Analyst, The</i> , 2013, 138, 2531.	1.7	46
91	Thiol-chromene click chemistry: A coumarin-based derivative and its use as regenerable thiol probe and in bioimaging applications. <i>Biosensors and Bioelectronics</i> , 2013, 47, 300-306.	5.3	83

#	ARTICLE	IF	CITATIONS
92	Ratiometric pH responsive fluorescent probes operative on ES IPT. <i>Tetrahedron</i> , 2013, 69, 5874-5879.	1.0	32
93	Adsorption Sequence of Multifunctional Groups: A Study on the Reaction Pathway and the Adsorption Structure of Homocysteine on the Ge(100) Surface. <i>ChemPhysChem</i> , 2013, 14, 2491-2496.	1.0	1
94	A fluorescent sensor bearing nitroolefin moiety for the detection of thiols and its biological imaging. <i>Dyes and Pigments</i> , 2013, 96, 232-236.	2.0	60
95	A highly selective "turn-on" fluorescent chemosensor based on hydroxy pyrene-hydrazone derivative for Zn ²⁺ . <i>Dyes and Pigments</i> , 2013, 96, 176-179.	2.0	99
96	Naked-eye detection of Cys using simple molecular systems of curcumin and Hg ²⁺ . <i>Analytical Methods</i> , 2013, 5, 3965.	1.3	8
97	Colorimetric Detection of Mercury Ions Based on Plasmonic Nanoparticles. <i>Small</i> , 2013, 9, 1467-1481.	5.2	255
98	Thiol-specific phosphorescent imaging in living cells with an azobis(2,2'-bipyridine)-bridged dinuclear iridium(III) complex. <i>Chemical Communications</i> , 2013, 49, 2040.	2.2	51
99	A Chloroacetate-Caged Fluorescein Chemodosimeter for Imaging Cysteine/Homocysteine in Living Cells. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 888-893.	1.2	29
100	Sensitive detection of biothiols and histidine based on the recovered fluorescence of the carbon quantum dots-Hg(II) system. <i>Analytica Chimica Acta</i> , 2014, 859, 72-8.	2.6	89
101	A novel ratiometric fluorescent probe through aggregation-induced emission and analyte-induced excimer dissociation. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 504-510.	4.0	22
102	A resonance energy transfer approach for the selective detection of aromatic amino acids. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10157-10163.	2.7	29
103	A carboxylic acid-functionalized coumarin-hemicyanine fluorescent dye and its application to construct a fluorescent probe for selective detection of cysteine over homocysteine and glutathione. <i>RSC Advances</i> , 2014, 4, 64542-64550.	1.7	53
104	Colorimetric detection of <i>in situ</i> metal acetates and fluorides by a bipyridyl-linked Schiff base. <i>Journal of Molecular Recognition</i> , 2014, 27, 689-695.	1.1	2
105	Ternary System Based on Fluorophore-Surfactant Assemblies-Cu ²⁺ for Highly Sensitive and Selective Detection of Arginine in Aqueous Solution. <i>Langmuir</i> , 2014, 30, 15364-15372.	1.6	56
106	Detection of Ethylenediamine Using a Fluorescent Probe in Solution and in a PMMA Matrix. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 600, 179-188.	0.4	10
107	New iridium complexes with two pre-organized urea groups and thiourea groups as phosphorescent chemosensors for and chiral carboxylates. <i>Dyes and Pigments</i> , 2014, 100, 241-246.	2.0	21
108	A highly sensitive ratiometric fluorescent probe with a large emission shift for imaging endogenous cysteine in living cells. <i>Biosensors and Bioelectronics</i> , 2014, 55, 72-75.	5.3	91
109	Electrochemical Sensing for Naproxen Enantiomers Using Biofunctionalized Reduced Graphene Oxide Nanosheets. <i>Journal of the Electrochemical Society</i> , 2014, 161, B70-B74.	1.3	37

#	ARTICLE	IF	CITATIONS
110	Axially chiral BODIPYs. <i>Chemical Communications</i> , 2014, 50, 4714-4716.	2.2	32
111	A Pyrene Derivative for Hg ²⁺ Selective Fluorescent Sensing and Its Application in In Vivo Imaging. <i>Chemistry - an Asian Journal</i> , 2014, 9, 744-748.	1.7	22
112	A fluorescence turn-on probe for the detection of thiol-containing amino acids in aqueous solution and bioimaging in cells. <i>Tetrahedron</i> , 2014, 70, 2034-2039.	1.0	14
113	Supramolecular Chirality in Self-Assembled Soft Materials: Regulation of Chiral Nanostructures and Chiral Functions. <i>Advanced Materials</i> , 2014, 26, 6959-6964.	11.1	188
114	Quinones based molecular receptors for recognition of anions and metal ions. <i>Tetrahedron</i> , 2014, 70, 4285-4307.	1.0	39
115	A selective naked-eye detection and determination of cysteine using an indicator-displacement assay in urine sample. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 457-462.	4.0	25
116	A fluorescent probe for thiols based on aggregation-induced emission and its application in live-cell imaging. <i>Dyes and Pigments</i> , 2014, 108, 24-31.	2.0	70
117	A 1,3-Indandione-Functionalized Tetraphenylethene: Aggregation-Induced Emission, Solvatochromism, Mechanochromism, and Potential Application as a Multiresponsive Fluorescent Probe. <i>Chemistry - A European Journal</i> , 2014, 20, 4661-4670.	1.7	126
118	Surprising variations in the rate of ring opening for a series of rhodamine lactams with similar equilibrium endpoints. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 1-8.	4.0	6
119	Recent advances in molecular recognition in water: artificial receptors and supramolecular catalysis. <i>Tetrahedron</i> , 2014, 70, 137-167.	1.0	107
120	Recent Advances in Development of Chiral Fluorescent and Colorimetric Sensors. <i>Chemical Reviews</i> , 2014, 114, 4918-4959.	23.0	546
121	Simultaneous Fluorescence Sensing of Cys and GSH from Different Emission Channels. <i>Journal of the American Chemical Society</i> , 2014, 136, 574-577.	6.6	540
122	A fluorescent ratiometric Cu ²⁺ probe based on FRET by naphthalimide-appended rhodamine derivatives. <i>Analytical Methods</i> , 2014, 6, 9825-9830.	1.3	27
123	Theoretical Investigation of Rhodamine6G Derivative as Fluorescence Metal Ion Sensor. <i>Integrated Ferroelectrics</i> , 2014, 155, 126-133.	0.3	1
124	Chiral sensing of Eu(III)-containing achiral polymer complex from chiral amino acids coordination induction. <i>Journal of Polymer Science Part A</i> , 2014, 52, 3080-3086.	2.5	13
125	Fluorescent supramolecular metal assemblies as "no quenching" probes for detection of threonine in the nanomolar range. <i>Chemical Communications</i> , 2014, 50, 9725-9728.	2.2	18
126	A low dose, highly selective and sensitive colorimetric and fluorescent probe for biothiols and its application in bioimaging. <i>Chemical Communications</i> , 2014, 50, 14002-14005.	2.2	97
127	A sensitive colorimetric and fluorescent sensor based on imidazolium-functionalized squaraines for the detection of GTP and alkaline phosphatase in aqueous solution. <i>Chemical Communications</i> , 2014, 50, 4438-4441.	2.2	54

#	ARTICLE	IF	CITATIONS
128	A lysosome-targeted fluorescent chemodosimeter for monitoring endogenous and exogenous hydrogen sulfide by in vivo imaging. <i>Chemical Communications</i> , 2014, 50, 13833-13836.	2.2	45
129	New Zn ²⁺ coordination polymers with mixed triazolate/tetrazolate and acylhydrazidate as linkers. <i>CrystEngComm</i> , 2014, 16, 2692.	1.3	19
130	Rapid and Ratiometric Fluorescent Detection of Cysteine with High Selectivity and Sensitivity by a Simple and Readily Available Probe. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17543-17550.	4.0	169
131	Yolk-Shell Upconversion Nanocomposites for LRET Sensing of Cysteine/Homocysteine. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11190-11197.	4.0	86
132	A new fluorescent and colorimetric sensor for hydrazine and its application in biological systems. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1846-1851.	2.9	128
133	Intrinsic peroxidase-like activity of mesoporous nickel oxide for selective cysteine sensing. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6097.	2.9	105
134	Construction of acylhydrazidate-extended metal-organic frameworks. <i>Dalton Transactions</i> , 2014, 43, 11646.	1.6	21
135	Thiazolidine Derivatives from Fluorescent Dithienyl-BODIPY-carboxaldehydes and Cysteine. <i>Journal of Organic Chemistry</i> , 2014, 79, 11463-11472.	1.7	16
136	Cyclometalated Ir(III) complexes with styryl-BODIPY ligands showing near IR absorption/emission: preparation, study of photophysical properties and application as photodynamic/luminescence imaging materials. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2838-2854.	2.9	111
137	Simultaneous fluorescent imaging of Cys/Hcy and GSH from different emission channels. <i>Chemical Science</i> , 2014, 5, 3183.	3.7	216
138	Aggregation induced emission-based fluorescent nanoparticles: fabrication methodologies and biomedical applications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4398.	2.9	309
139	Triple action polymer probe: carboxylic distilbene fluorescent polymer chemosensor for temperature, metal-ions and biomolecules. <i>Chemical Communications</i> , 2014, 50, 842-845.	2.2	52
140	Synthesis, structure and spectral and electrochemical properties of 3-pyrrolyl BODIPY-metal dipyrin complexes. <i>Dalton Transactions</i> , 2014, 43, 16006-16014.	1.6	34
141	A colorimetric and near-infrared fluorescent probe for biothiols and its application in living cells. <i>RSC Advances</i> , 2014, 4, 46561-46567.	1.7	57
142	Fluorescent calix[4]arene chemosensor for acidic and basic amino acids in pure aqueous media. <i>RSC Advances</i> , 2014, 4, 28046-28051.	1.7	9
143	A rhodamine based off-on-probe for selective detection of Hg(II) and subsequent L-proline and 4-hydroxyproline discrimination. <i>RSC Advances</i> , 2014, 4, 10118-10122.	1.7	14
144	Zn(II) promoted dramatic enhancement in the enantioselective fluorescent recognition of functional chiral amines by a chiral aldehyde. <i>Chemical Science</i> , 2014, 5, 3457-3462.	3.7	89
145	A highly selective colorimetric chemosensor for cobalt(II) ions based on a tripodal amide ligand. <i>Dalton Transactions</i> , 2014, 43, 11579-11586.	1.6	43

#	ARTICLE	IF	CITATIONS
146	Gold nanoparticle-based colorimetric chiral discrimination of histidine: application to determining the enantiomeric excess of histidine. <i>Analytical Methods</i> , 2014, 6, 73-76.	1.3	44
147	Development of a Small Molecule Probe Capable of Discriminating Cysteine, Homocysteine, and Glutathione with Three Distinct Turn-On Fluorescent Outputs. <i>Chemistry - A European Journal</i> , 2014, 20, 11471-11478.	1.7	131
148	Cyanine-Based Fluorescent Probe for Highly Selective Detection of Glutathione in Cell Cultures and Live Mouse Tissues. <i>Journal of the American Chemical Society</i> , 2014, 136, 5351-5358.	6.6	548
149	Near-Infrared Fluorescent Probe for Detection of Thiophenols in Water Samples and Living Cells. <i>Analytical Chemistry</i> , 2014, 86, 8835-8841.	3.2	189
150	Constructing a fluorescent probe for specific detection of cysteine over homocysteine and glutathione based on a novel cysteine-binding group but-3-yn-2-one. <i>Analyst</i> , The, 2014, 139, 4081-4087.	1.7	53
151	An azo based colorimetric probe for the detection of cysteine and lysine amino acids and its real application in human blood plasma. <i>RSC Advances</i> , 2014, 4, 16999.	1.7	29
152	A pyrenyl linked calix[4]arene fluorescence probe for recognition of ferric and phosphate ions. <i>RSC Advances</i> , 2014, 4, 34922-34926.	1.7	15
153	Flavone-Based ESIPT Ratiometric Chemodosimeter for Detection of Cysteine in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4402-4407.	4.0	192
154	Two-Component Supramolecular Gels Derived from Amphiphilic Shape-Persistent Cyclo[6]aramides for Specific Recognition of Native Arginine. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11834-11839.	7.2	70
155	Pyridinium <i>N</i> -Phenolate Betaine Dyes. <i>Chemical Reviews</i> , 2014, 114, 10429-10475.	23.0	244
156	Self-Assembled Near-Infrared Dye Nanoparticles as a Selective Protein Sensor by Activation of a Dormant Fluorophore. <i>Journal of the American Chemical Society</i> , 2014, 136, 13233-13239.	6.6	162
157	The development and amino acid binding ability of nano-materials based on azo derivatives: Theory and experiment. <i>Materials Science and Engineering C</i> , 2014, 38, 101-106.	3.8	7
158	Fluorescence and Colorimetric Chemosensors for Fluoride-Ion Detection. <i>Chemical Reviews</i> , 2014, 114, 5511-5571.	23.0	907
159	Vitamin B ₆ cofactor based fluorescent probe for sensing an anion (F ⁻) and cation (Co ²⁺) independently in a pure aqueous medium. <i>RSC Advances</i> , 2014, 4, 25393-25397.	1.7	32
160	Fluorescence turn-on recognition of chiral amino acids using dye incorporated β -CD functionalized AuNPs assembly. <i>Journal of Luminescence</i> , 2014, 154, 541-548.	1.5	19
161	Sensitive and regenerable organochalcogen probes for the colorimetric detection of thiols. <i>RSC Advances</i> , 2014, 4, 11535-11538.	1.7	29
162	A surfactant-assisted probe for the chromo-fluorogenic selective recognition of GSH in water. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1871.	1.5	21
163	1,8-Naphthalimide-based colorimetric and fluorescent sensor for recognition of GMP, TMP, and UMP and its application in in vivo imaging. <i>Tetrahedron Letters</i> , 2014, 55, 6131-6136.	0.7	19

#	ARTICLE	IF	CITATIONS
164	Fluorescent probes for Cu ²⁺ , Hg ²⁺ and amino acids in aqueous solutions based on two mechanisms. <i>Sensors and Actuators B: Chemical</i> , 2014, 205, 345-351.	4.0	15
165	A visual and "turn-on" fluorescent probe for rapid detection of cysteine over homocysteine and glutathione. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 546-554.	4.0	42
166	Naked eye and fluorescent detections of Hg ²⁺ ions and Cysteine via J-aggregation and deaggregation of a perylene bisimide derivative. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 229-237.	4.0	40
167	1,8-Naphthalimide-based visible colorimetric sensor for the selective sensing of fluoride, acetate and hydroxyl anions. <i>Journal of Fluorine Chemistry</i> , 2014, 158, 53-59.	0.9	26
168	Novel pyrazoline-based fluorescent probe for detecting glutathione and its application in cells. <i>Biosensors and Bioelectronics</i> , 2014, 55, 386-390.	5.3	61
169	A Highly Fluorescent Metallosalen-Based Chiral Cage for Enantioselective Recognition and Sensing. <i>Chemistry - A European Journal</i> , 2014, 20, 6455-6461.	1.7	94
170	Target-Triggered NIR Emission with a Large Stokes Shift for the Detection and Imaging of Cysteine in Living Cells. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1777-1781.	1.7	56
171	Recognition of Free Tryptophan in Water by Synthetic Pseudopeptides: Fluorescence and Thermodynamic Studies. <i>Chemistry - A European Journal</i> , 2014, 20, 7465-7478.	1.7	18
172	Cascade sensitive and selective fluorescence OFF-ON-OFF sensor for Cr ³⁺ cation and F ⁻ anion. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 191-197.	4.0	40
173	A BODIPY based indicator for fluorogenic detection of salicylaldehyde with off-on emission. <i>Analytical Methods</i> , 2014, 6, 6531-6535.	1.3	8
174	A BODIPY-based fluorescent chemosensor for Cu ²⁺ and biological thiols, and its application as a Cu ²⁺ probe in live cell imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 282, 41-46.	2.0	18
176	A Simple System Based on a Thiourea-Modified Fluorescein for Amino Acid Discrimination. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6597-6601.	1.2	1
177	Fe ²⁺ -Responsive Bimodal MRI and Fluorescent Imaging Probe Based on a Gadolinium(III) Complex. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3087-3093.	1.0	4
178	Synthesis and Evaluation of Sulfoxide-Functionalized BODIPYs as Chemosensors for Thiols. <i>Chinese Journal of Chemistry</i> , 2015, 33, 711-716.	2.6	4
179	Fluorescent/luminescent detection of natural amino acids by organometallic systems. <i>Coordination Chemistry Reviews</i> , 2015, 303, 139-184.	9.5	120
180	A highly selective fluorescent sensor for Al ³⁺ and the use of the resulting complex as a secondary sensor for PPI in aqueous media: its applicability in live cell imaging. <i>Dalton Transactions</i> , 2015, 44, 11352-11359.	1.6	67
181	Facile colorimetric detection of human chorionic gonadotropin based on the peptide-induced aggregation of gold nanoparticles. <i>Analytical Methods</i> , 2015, 7, 29-33.	1.3	19
182	Solvent induced synthesis, structure and properties of coordination polymers based on 5-hydroxyisophthalic acid as linker and 1,10-phenanthroline as auxiliary ligand. <i>Journal of Solid State Chemistry</i> , 2015, 231, 239-247.	1.4	11

#	ARTICLE	IF	CITATIONS
183	Synthesis and enantiomeric recognition studies of optically active acridone bis(urea) and bis(thiourea) derivatives. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 1335-1340.	1.8	10
184	Luminescent probes for the bioimaging of small anionic species in vitro and in vivo. <i>Chemical Society Reviews</i> , 2015, 44, 4547-4595.	18.7	332
185	Recent Progress on the Development of Chemosensors for Gases. <i>Chemical Reviews</i> , 2015, 115, 7944-8000.	23.0	661
186	Dual emission channels for sensitive discrimination of Cys/Hcy and GSH in plasma and cells. <i>Chemical Communications</i> , 2015, 51, 4245-4248.	2.2	161
187	Enantioselective recognition of a fluorescence-labeled phenylalanine by self-assembled chiral nanostructures. <i>Chemical Communications</i> , 2015, 51, 4234-4236.	2.2	28
188	Colorimetric and ratiometric fluorescent chemodosimeter for selective sensing of fluoride and cyanide ions: tuning selectivity in proton transfer and C-Si bond cleavage. <i>RSC Advances</i> , 2015, 5, 10716-10722.	1.7	39
189	A readily available colorimetric and near-infrared fluorescent turn-on probe for rapid and selective detection of cysteine in living cells. <i>Biosensors and Bioelectronics</i> , 2015, 68, 316-321.	5.3	143
190	An aryl-thioether substituted nitrobenzothiadiazole probe for the selective detection of cysteine and homocysteine. <i>Chemical Communications</i> , 2015, 51, 6518-6520.	2.2	142
191	Construction of a Selective Fluorescent Probe for GSH Based on a Chloro-Functionalized Coumarin-None Dye Platform. <i>Chemistry - A European Journal</i> , 2015, 21, 4747-4754.	1.7	55
192	Supramolecular electron transfer-based switching involving pyrrolic macrocycles. A new approach to sensor development?. <i>Chemical Communications</i> , 2015, 51, 7781-7794.	2.2	34
193	A dansyl-based fluorescent probe for selectively detecting Cu ²⁺ and imaging in living cells. <i>RSC Advances</i> , 2015, 5, 23666-23670.	1.7	22
194	A turn-on and colorimetric metal-free long lifetime fluorescent probe and its application for time-resolved luminescent detection and bioimaging of cysteine. <i>RSC Advances</i> , 2015, 5, 53660-53664.	1.7	39
195	Transition metal induced switch of fluorescence and absorption response of a Zn(II)porphyrin-DNA conjugate to cysteine derivatives. <i>RSC Advances</i> , 2015, 5, 15916-15922.	1.7	6
196	Zero-, one-, two- and three-dimensional coordination polymers based on tetracarboxylic acid: Syntheses, structures, magnetic and luminescent properties. <i>Dyes and Pigments</i> , 2015, 122, 246-256.	2.0	16
197	Selective sensing of pyrophosphate in physiological media using zinc(II)dipicolylamino-functionalised peptides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7822-7829.	1.5	27
198	A fluorescent probe for benzenethiols and its application on test paper, in water samples and living cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8248-8254.	2.7	42
199	Spectrophotometric and visual detection of the herbicide atrazine by exploiting hydrogen bond-induced aggregation of melamine-modified gold nanoparticles. <i>Mikrochimica Acta</i> , 2015, 182, 1983-1989.	2.5	40
200	Spectroscopic studies on the interaction of terpyridine-CuCl ₂ with cysteine. <i>RSC Advances</i> , 2015, 5, 53905-53910.	1.7	5

#	ARTICLE	IF	CITATIONS
201	Voltammetric Sensor for Fluoride Ions Using Diphenylether Derivatives Supported by NMR and Theoretical Studies. <i>Journal of the Electrochemical Society</i> , 2015, 162, B248-B255.	1.3	6
202	Simple and Sensitive Discrimination of Amino Acids with Functionalized Silver Nanoparticles. <i>ACS Combinatorial Science</i> , 2015, 17, 409-412.	3.8	26
203	Colorimetric and fluorescent detection of GSH with the assistance of CTAB micelles. <i>RSC Advances</i> , 2015, 5, 59056-59061.	1.7	21
204	Integrated Logic Gate for Fluorescence Turn-on Detection of Histidine and Cysteine Based on Ag/Au Bimetallic Nanoclusters@Cu ²⁺ Ensemble. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6860-6866.	4.0	90
205	A fluorescent "turn on" chemosensor based on Bodipy@anthraquinone for Al ³⁺ ions: synthesis and complexation/spectroscopic studies. <i>RSC Advances</i> , 2015, 5, 41025-41032.	1.7	41
206	Near-Infrared and Naked-Eye Fluorescence Probe for Direct and Highly Selective Detection of Cysteine and Its Application in Living Cells. <i>Analytical Chemistry</i> , 2015, 87, 4856-4863.	3.2	194
207	Recent Advances in Supramolecular Analytical Chemistry Using Optical Sensing. <i>Chemical Reviews</i> , 2015, 115, 7840-7892.	23.0	793
208	Synthesis and cytotoxicity of azo nano-materials as new biosensors for L-Arginine determination. <i>Materials Science and Engineering C</i> , 2015, 51, 279-286.	3.8	11
209	Water soluble perylene bisimide and its turn off/on fluorescence are used to detect cysteine and homocysteine. <i>New Journal of Chemistry</i> , 2015, 39, 5084-5087.	1.4	13
210	Rapid and Selective Luminescence Response to Aromatic Thiols with a Simple Mononuclear Iridium(III) Complex. <i>Chemistry Letters</i> , 2015, 44, 636-638.	0.7	7
211	New 3-D coordination polymers based on semi-rigid V-shape tetracarboxylates. <i>Journal of Solid State Chemistry</i> , 2015, 226, 206-214.	1.4	4
212	New NBD-based fluorescent probes for biological thiols. <i>Tetrahedron Letters</i> , 2015, 56, 3909-3912.	0.7	31
213	Protein recognition using synthetic small-molecular binders toward optical protein sensing in vitro and in live cells. <i>Chemical Society Reviews</i> , 2015, 44, 4454-4471.	18.7	121
214	A colorimetric chemosensor for the sequential detection of copper ion and amino acids (cysteine and) Tj ETQq1 1 0,784314 rgBT /Over	1.7	57
215	Aggregation-Induced Emission: Together We Shine, United We Soar!. <i>Chemical Reviews</i> , 2015, 115, 11718-11940.	23.0	6,279
216	Highly selective and sensitive recognition of histidine based on the oxidase-like activity of Cu ²⁺ ions. <i>RSC Advances</i> , 2015, 5, 92114-92120.	1.7	24
217	Selective aqueous fluorescent probes for metal ions based on benzoyl hydrazone derivatives. <i>Analytical Methods</i> , 2015, 7, 8129-8137.	1.3	9
218	Selective Fluorescence Detection of Cysteine over Homocysteine and Glutathione Based on a Cysteine-Triggered Dual Michael Addition/Retro-aza-aldol Cascade Reaction. <i>Analytical Chemistry</i> , 2015, 87, 11475-11483.	3.2	128

#	ARTICLE	IF	CITATIONS
219	The triplet excited state of Bodipy: formation, modulation and application. <i>Chemical Society Reviews</i> , 2015, 44, 8904-8939.	18.7	665
220	A near-infrared chemodosimeter with Pi-selective colorimetric and fluorescent sensing and its application in vivo imaging. <i>RSC Advances</i> , 2015, 5, 71756-71759.	1.7	12
221	Rational design and synthesis of fast-response NBD-based fluorescent probes for biothiols. <i>Tetrahedron Letters</i> , 2015, 56, 5781-5786.	0.7	28
222	A fluorescent probe for the discrimination between Cys and GSH. <i>Analytical Methods</i> , 2015, 7, 10371-10375.	1.3	13
223	Twenty Natural Amino Acids Identification by a Photochromic Sensor Chip. <i>Analytical Chemistry</i> , 2015, 87, 837-842.	3.2	38
224	Doped zinc sulfide quantum dots based phosphorescence turn-off/on probe for detecting histidine in biological fluid. <i>Analytica Chimica Acta</i> , 2015, 856, 82-89.	2.6	38
225	Preparation of polylysine-modified superparamagnetic iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 374, 205-208.	1.0	28
226	Novel chemosensors for detection of glutathione by reduction or substitution of naphthalimide derivatives containing sulfoxide or sulfone substituents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 59-61.	1.0	10
227	Recent progress on using BINOLs in enantioselective molecular recognition. <i>Tetrahedron</i> , 2015, 71, 745-772.	1.0	67
228	A multi-functional probe to discriminate Lys, Arg, His, Cys, Hcy and GSH from common amino acids. <i>Chemical Communications</i> , 2015, 51, 1498-1501.	2.2	39
229	Photoluminescent sensing for acidic amino acids based on the disruption of graphene quantum dots/europium ions aggregates. <i>Biosensors and Bioelectronics</i> , 2015, 65, 204-210.	5.3	40
230	An Iminocoumarin Sulfonamide Based Turn-On Fluorescent Probe for the Detection of Biothiols in Aqueous Solution. <i>Chemistry - an Asian Journal</i> , 2015, 10, 422-426.	1.7	32
231	Organosilicon compounds as fluorescent chemosensors for fluoride anion recognition. <i>Coordination Chemistry Reviews</i> , 2015, 285, 24-51.	9.5	97
232	A highly selective and sensitive fluorescent thiol probe through dual-reactive and dual-quenching groups. <i>Chemical Communications</i> , 2015, 51, 2029-2032.	2.2	101
233	Selective H ₂ PO ₄ ²⁻ anion sensing by two neutral Zn ²⁺ complexes and combined theoretical and experimental studies of their structural and spectral properties. <i>Polyhedron</i> , 2015, 85, 255-266.	1.0	13
234	A malonitrile-functionalized metal-organic framework for hydrogen sulfide detection and selective amino acid molecular recognition. <i>Scientific Reports</i> , 2014, 4, 4366.	1.6	100
235	A conveniently prepared and hypersensitized small molecular fluorescent probe: Rapidly detecting free zinc ion in HepG2 cells and Arabidopsis. <i>Biosensors and Bioelectronics</i> , 2016, 86, 393-397.	5.3	29
236	Water dispersed fluorescent organic aggregates for the picomolar detection of ClO ₄ ⁻ in water, soil and blood serum and the attogram detection of ClO ₄ ⁻ in the solid state by a contact mode method. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7420-7429.	2.7	13

#	ARTICLE	IF	CITATIONS
237	Highly selective ratiometric fluorescent Zn ²⁺ chemosensor based on diarylethene derivative with bis-carboxamidoquinoline unit. <i>Luminescence</i> , 2016, 31, 1488-1495.	1.5	6
238	A diarylethene-based fluorescent chemosensor for the sequential recognition of Fe ³⁺ and cysteine. <i>RSC Advances</i> , 2016, 6, 34748-34753.	1.7	35
239	A cyanine-based colorimetric and fluorescent probe for highly selective sensing and bioimaging of phosphate ions. <i>Dyes and Pigments</i> , 2016, 133, 127-131.	2.0	26
240	Highly sensitive d-alanine electrochemical biosensor based on functionalized multi-walled carbon nanotubes and d-amino acid oxidase. <i>Biochemical Engineering Journal</i> , 2016, 113, 1-6.	1.8	32
241	Highly-Sensitive and Selective Electrochemiluminescence Biosensor for the Specific Detection of D-alanine. <i>Journal of the Electrochemical Society</i> , 2016, 163, B373-B378.	1.3	12
242	Highly selective ratiometric fluorescent recognition of histidine by tetraphenylethene-terpyridine-Zn(ii) complexes. <i>RSC Advances</i> , 2016, 6, 25319-25329.	1.7	12
243	A novel pyrene based fluorescent probe for selective detection of cysteine in presence of other bio-thiols in living cells. <i>Biosensors and Bioelectronics</i> , 2016, 83, 237-242.	5.3	60
244	A fluorescence enhancement probe based on BODIPY for the discrimination of cysteine from homocysteine and glutathione. <i>Biosensors and Bioelectronics</i> , 2016, 85, 178-183.	5.3	58
245	A phenazine-based near-infrared (NIR) chemodosimeter for cysteine obtained via a carbonyl-assisted cycloaddition process. <i>RSC Advances</i> , 2016, 6, 22389-22394.	1.7	12
246	A fluorescein-based fluorescence probe for the fast detection of thiol. <i>Tetrahedron Letters</i> , 2016, 57, 2478-2483.	0.7	21
247	A mitochondria-targeted turn-on fluorescent probe for the detection of glutathione in living cells. <i>Biosensors and Bioelectronics</i> , 2016, 85, 164-170.	5.3	104
248	An ESIPT-based fluorescent probe for selective detection of homocysteine and its application in live-cell imaging. <i>Tetrahedron Letters</i> , 2016, 57, 5227-5231.	0.7	22
249	Fluorescent and Colorimetric Chemosensors for Anions, Metal Ions, Reactive Oxygen Species, Biothiols, and Gases. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1661-1678.	1.0	21
250	Harvesting red fluorescence through design specific tuning of ICT and ESIPT: an efficient optical detection of cysteine and live cell imaging. <i>RSC Advances</i> , 2016, 6, 95722-95728.	1.7	21
251	Rapid and selective detection of cysteine over homocysteine and glutathione by a simple and effective coumarin-based fluorescent probe. <i>RSC Advances</i> , 2016, 6, 94866-94869.	1.7	12
252	A coumarin-based terpyridine-zinc complex for sensing pyrophosphate and its application in in vivo imaging. <i>Tetrahedron Letters</i> , 2016, 57, 5022-5025.	0.7	26
253	Probing the Influence of Amino Acids on Photoluminescence from Carbon Nanotubes Suspended with DNA. <i>Journal of Fluorescence</i> , 2016, 26, 1951-1958.	1.3	5
254	A highly selective and sensitive fluorescent probe for thiols based on a benzothiazole derivative. <i>Analytical Methods</i> , 2016, 8, 6832-6839.	1.3	21

#	ARTICLE	IF	CITATIONS
255	Synthesis and chemosensory properties of two-arm truxene-functionalized conjugated polyfluorene containing terpyridine moiety. <i>RSC Advances</i> , 2016, 6, 87680-87689.	1.7	12
256	Discerning the Chemistry in Individual Organelles with Small-Molecule Fluorescent Probes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13658-13699.	7.2	634
257	Highly enantioselective recognition of alaninol via the chiral BINAM-based fluorescence polymer sensor. <i>Polymer</i> , 2016, 101, 93-97.	1.8	9
258	Synthesis and enantiomeric recognition studies of optically active 5,5-dioxophenothiazine bis(urea) and bis(thiourea) derivatives. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 918-922.	1.8	6
259	Synthesis and Enantiomeric Recognition Studies of Optically Active Pyridino-Crown Ethers Containing an Anthracene Fluorophore Unit. <i>Chirality</i> , 2016, 28, 562-568.	1.3	11
260	A facile Al(III)-specific fluorescence probe and its application in biological systems. <i>RSC Advances</i> , 2016, 6, 77291-77296.	1.7	11
261	Syntheses, Crystal Structure, Luminescence, Porosity and Magnetic Properties of Three-Dimensional Lanthanide Coordination Polymers with 2-Aminoterephthalic Acid. <i>ChemistrySelect</i> , 2016, 1, 4489-4501.	0.7	6
262	Ratiometric Fluorescence Sensors for 1,2-Diamines Based on Trifluoromethyl Ketones. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5868-5875.	1.2	13
263	Wahrnehmung der chemischen Prozesse in einzelnen Organellen mit niedermolekularen Fluoreszenzsonden. <i>Angewandte Chemie</i> , 2016, 128, 13858-13902.	1.6	53
264	Amino acid recognition by fine tuning the association constants: tailored naphthalimides in pillar[5]arene-based indicator displacement assays. <i>RSC Advances</i> , 2016, 6, 86269-86275.	1.7	38
265	Cadmium(II) carboxyphosphonates based on mixed ligands: syntheses, crystal structures and recognition properties toward amino acids. <i>RSC Advances</i> , 2016, 6, 92175-92185.	1.7	14
266	Fluorescent Recognition of 1,2-Diamines by a 1,1'-Binaphthyl-Based Trifluoromethyl Ketone. <i>Chemistry - A European Journal</i> , 2016, 22, 12061-12067.	1.7	18
267	A Benzodithiophene-Based Fluorescence Probe for Rapid Detection of Fluoride Ion. <i>Chinese Journal of Chemistry</i> , 2016, 34, 809-813.	2.6	2
268	Click-modified hexahomotrioxacalix[3]arenes as fluorometric and colorimetric dual-modal chemosensors for 2,4,6-trinitrophenol. <i>Analytica Chimica Acta</i> , 2016, 936, 216-221.	2.6	33
269	Colorimetric and fluorescence probe for the detection of nano-molar lysine in aqueous medium. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10688-10694.	1.5	21
270	Carbon dots-based ratiometric nanosensor for highly sensitive and selective detection of mercury(II) ions and glutathione. <i>RSC Advances</i> , 2016, 6, 103169-103177.	1.7	49
271	Benzothiazole-Pyrimidine-Based BF ₂ Complex for Selective Detection of Cysteine. <i>Chemistry - An Asian Journal</i> , 2016, 11, 202-206.	1.7	17
272	Pb ²⁺ -modified graphene quantum dots as a fluorescent probe for biological aminothiols mediated by an inner filter effect. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 394-400.	4.0	28

#	ARTICLE	IF	CITATIONS
273	Analytical methods for determination and sensing of fluoride in biotic and abiotic sources: a review. <i>Analytical Methods</i> , 2016, 8, 5338-5352.	1.3	97
274	Selective and direct detection of free amino acid using the optical birefringent patterns of confined nematic liquid crystals. <i>Liquid Crystals</i> , 0, , 1-9.	0.9	2
276	A near-infrared squaraine dye for cascade recognition of copper ion and biological phosphate and its application in IMPLICATION logic gate. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 550-558.	4.0	19
277	Stimuli-responsive metallopolymers. <i>Coordination Chemistry Reviews</i> , 2016, 319, 180-195.	9.5	95
278	An integrated logic system for time-resolved fluorescent "turn-on" detection of cysteine and histidine base on terbium (III) coordination polymer-copper (II) ensemble. <i>Talanta</i> , 2016, 158, 208-213.	2.9	41
279	An electrochemical sensor based on cellulose nanocrystal for the enantioselective discrimination of chiral amino acids. <i>Analytical Biochemistry</i> , 2016, 508, 50-57.	1.1	46
280	Aggregation and deaggregation of rhodamine fluorescent probe for sequential recognition of Hg(II) and Cys with green emission. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 94-100.	4.0	27
281	An excited-state intramolecular proton transfer-based probe for the discrimination of thiophenols over aliphatic thiols. <i>Analytical Methods</i> , 2016, 8, 1425-1430.	1.3	14
282	Ratiometric mechanosensitive fluorescent dyes: design and applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2707-2718.	2.7	114
283	Naphthalimide-based fluorescent probe for selectively and specifically detecting glutathione in the lysosomes of living cells. <i>Chemical Communications</i> , 2016, 52, 721-724.	2.2	147
284	Amide-containing luminescent metal-organic complexes as bifunctional materials for selective sensing of amino acids and reaction prompting. <i>RSC Advances</i> , 2016, 6, 27944-27951.	1.7	26
285	An organic indicator functionalized graphene oxide nanocomposite-based colorimetric assay for the detection of sarcosine. <i>Nanoscale</i> , 2016, 8, 5488-5496.	2.8	31
286	Fluorescence sensing of glucose using glucose oxidase incorporated into a fluorophore-containing PNIPAM hydrogel. <i>Polymer Chemistry</i> , 2016, 7, 1907-1912.	1.9	27
287	Structure of a di-zinc complex of a bis-calix[4]arene conjugate and its sensing of cysteine among the amino acids. <i>Supramolecular Chemistry</i> , 2016, 28, 536-543.	1.5	4
288	Broadly Applicable Strategy for the Fluorescence Based Detection and Differentiation of Glutathione and Cysteine/Homocysteine: Demonstration in Vitro and in Vivo. <i>Analytical Chemistry</i> , 2016, 88, 3638-3646.	3.2	168
289	Highly Selective Two-Photon Fluorescent Probe for Ratiometric Sensing and Imaging Cysteine in Mitochondria. <i>Analytical Chemistry</i> , 2016, 88, 1908-1914.	3.2	184
290	Fluorescence enhancement of glutaraldehyde functionalized polyaniline nanofibers in the presence of aromatic amino acids. <i>Materials Science and Engineering C</i> , 2016, 61, 762-772.	3.8	19
291	A high-throughput screening method for amino acid dehydrogenase. <i>Analytical Biochemistry</i> , 2016, 495, 29-31.	1.1	10

#	ARTICLE	IF	CITATIONS
292	Experimental and theoretical studies for sequential detection of copper(II) and cysteine by a colorimetric chemosensor. <i>Tetrahedron</i> , 2016, 72, 875-881.	1.0	30
293	A ternary sensor system based on pyrene derivative-SDS assemblies-Cu ²⁺ displaying dual responsive signals for fast detection of arginine and lysine in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 314, 66-74.	2.0	41
294	Fluorescent probes for the selective detection of chemical species inside mitochondria. <i>Chemical Communications</i> , 2016, 52, 1094-1119.	2.2	254
295	Highly sensitive gold nanoparticles-based optical sensing of DNA hybridization using bis(8-hydroxyquinoline-5-solphonate)cerium(III) chloride as a novel fluorescence probe. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 356-362.	1.4	20
296	A minimalist fluorescent probe for differentiating Cys, Hcy and GSH in live cells. <i>Chemical Science</i> , 2016, 7, 256-260.	3.7	195
297	Design of a highly sensitive and selective bulk optode based on fluorescence enhancement of N,N'-bis-(1-hydroxyphenylimine)2,2'-pyridil Schiff base: Monitoring of zinc(II) ion in real samples and DFT calculation. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 566-575.	4.0	22
298	A fluorescent probe for relay recognition of homocysteine and Group IIIA ions including Ga(III). <i>Chemical Communications</i> , 2016, 52, 827-830.	2.2	97
299	Label-free amino acid detection based on nanocomposites of graphene oxide hybridized with gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016, 77, 963-970.	5.3	37
300	A flavone-based turn-on fluorescent probe for intracellular cysteine/homocysteine sensing with high selectivity. <i>Talanta</i> , 2016, 146, 41-48.	2.9	29
301	Rhodamine-based far-red fluorescent probe for the detection of cysteine and homocysteine over glutathione. <i>Luminescence</i> , 2017, 32, 78-85.	1.5	21
302	Aggregation induced emission active iridium(III) complexes with applications in mitochondrial staining. <i>RSC Advances</i> , 2017, 7, 5642-5648.	1.7	31
303	A novel fluorescence turn-on probe based on diketopyrrolopyrrole-nitroolefin conjugate for highly selective detection of glutathione over cysteine and homocysteine. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 531-540.	4.0	26
304	Synthesis of Water-Soluble Triazinophanes and Evaluation of Their Molecular Recognition Properties. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1618-1623.	1.2	2
305	A selective and sensitive fluorescent probe for homocysteine and its application in living cells. <i>Dyes and Pigments</i> , 2017, 140, 212-221.	2.0	51
306	Preparation of waterborne polyurethane with outstanding fluorescence properties and programmable emission intensity. <i>Polymer International</i> , 2017, 66, 770-778.	1.6	10
307	Multi-responsive fluorescence sensing based on a donor-acceptor-donor molecule for highly sensitive detection of water and cyanide. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 845-852.	4.0	26
308	CVD Assisted Hydrophobic Graphene Quantum Dots: Fluorescence Sensor for Aromatic Amino Acids. <i>ChemistrySelect</i> , 2017, 2, 1999-2005.	0.7	18
309	A fluorescent sensor based on a diarylethene-rhodamine derivative for sequentially detecting Cu ²⁺ and arginine and its application in keypad lock. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 26-35.	4.0	51

#	ARTICLE	IF	CITATIONS
310	Selective detection of cysteine over homocysteine and glutathione by a simple and effective probe. <i>Analytical Methods</i> , 2017, 9, 1707-1709.	1.3	16
311	Aldehyde bearing bis-cyclometalated Ir(III) complex as selective photoluminescence turn-on probe for imaging intracellular homocysteine. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 853-859.	4.0	22
312	A new class of silica-supported chromo-fluorogenic chemosensors for anion recognition based on a selenourea scaffold. <i>Chemical Communications</i> , 2017, 53, 3729-3732.	2.2	27
313	A Rhodamine-based fluorescent sensor for chromium ions and its application in bioimaging. <i>Chinese Chemical Letters</i> , 2017, 28, 1258-1261.	4.8	41
314	Coinage metal nanoparticles based colorimetric assays for natural amino acids: A review of recent developments. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 733-752.	4.0	16
315	Study of a 1,8-naphthylimide derivative as uridine diphosphate selective probe: Synthesis, optical properties and in vivo imaging application. <i>Dyes and Pigments</i> , 2017, 142, 552-557.	2.0	3
316	Lanthanide coordination polymer nanoparticles as a turn-on fluorescence sensing platform for simultaneous detection of histidine and cysteine. <i>Analyst</i> , 2017, 142, 1821-1826.	1.7	48
317	A dansyl-based fluorescent probe for the highly selective detection of cysteine based on a d-PeT switching mechanism. <i>RSC Advances</i> , 2017, 7, 21050-21053.	1.7	16
318	An indicator-displacement assay based on the Murexide-Hg ²⁺ system for fluorescence turn-on detection of biothiols in biological fluids. <i>Sensors and Actuators B: Chemical</i> , 2017, 249, 90-95.	4.0	15
319	Cysteine, homocysteine and glutathione guided hierarchical self-assemblies of spherical silver nanoparticles paving the way for their naked eye discrimination in human serum. <i>New Journal of Chemistry</i> , 2017, 41, 4316-4321.	1.4	23
320	A hemicyanine-based colorimetric and ratiometric fluorescent probe for selective detection of cysteine and bioimaging in living cell. <i>Talanta</i> , 2017, 170, 406-412.	2.9	43
321	An aza-BODIPY based near-infrared fluorescent probe for sensitive discrimination of cysteine/homocysteine and glutathione in living cells. <i>Chemical Communications</i> , 2017, 53, 5220-5223.	2.2	90
322	Di-thioether amide-Pd ²⁺ complex based-methionine fluorescent chemosensor with selectivity over cysteine and histidine. <i>Dyes and Pigments</i> , 2017, 144, 69-75.	2.0	7
323	A diethylamino pyridine formyl Schiff base as selective recognition chemosensor for biological thiols. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 132-138.	4.0	23
324	Enantioselective Fluorescent Imaging of Free Amino Acids in Living Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 2432-2438.	1.7	32
325	A novel near-infrared fluorescent probe for cysteine in living cells based on a push-pull dicyanoisophorone system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 215-220.	2.0	18
326	Substrate-Specific Amino Acid Sensing Using a Molecularly Imprinted Cysteine Probe for Comprehensive Stereochemical Analysis in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7276-7281.	7.2	47
327	Imidazo[1,5-b]pyridine-derived fluorescent turn-on probe for cellular thiols imaging with a large Stokes shift. <i>Tetrahedron Letters</i> , 2017, 58, 2654-2657.	0.7	20

#	ARTICLE	IF	CITATIONS
328	A simple and dual responsive ultrasensitive thioether-functionalized pyrenesulfonamide for the cascade detection of mercury ion and dithiouracil, a mimetic system for molecular logic gates. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 416-426.	4.0	18
329	A new simple phthalimide-based fluorescent probe for highly selective cysteine and bioimaging for living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 371-375.	2.0	19
330	New approach for the quantification of metallic species in healthcare products based on optical switching of a Schiff base possessing ONO donor set. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 263-270.	2.0	4
331	An excited-state intramolecular photon transfer fluorescence probe for localizable live cell imaging of cysteine. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 014012.	1.1	5
332	A fluorescein-based chemosensor for relay fluorescence recognition of Cu(II) ions and biothiols in water and its applications to a molecular logic gate and living cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4115-4121.	1.5	63
333	An Optically Active Polymer for Broad Spectrum Enantiomeric Recognition of Chiral Acids. <i>Chemistry - A European Journal</i> , 2017, 23, 5824-5829.	1.7	6
334	Supramolecular complexes of 1,1'-bis(2,4,6-trimethylphenyl)ethane-2,2'-tetramethyl-cucurbit[6]uril binding with enantiomeric amino acids. <i>CrystEngComm</i> , 2017, 19, 2168-2171.	1.3	19
335	A deoxycholic acid-based macrocycle: Recognition of mercury ion and cascade enantioselective sensing toward amino acids. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 931-937.	4.0	17
336	A novel cyanobiphenyl benzothiazole-based fluorescent probe for detection of biothiols with a large Stokes shift and its application in cell imaging. <i>Tetrahedron</i> , 2017, 73, 589-593.	1.0	29
337	A unique cysteine selective water soluble fluorescent probe operable in multiple sensing cycles for the detection of biogenic cysteine in multicellular living species. <i>New Journal of Chemistry</i> , 2017, 41, 1488-1498.	1.4	11
338	A reaction-based and highly selective fluorescent probe for hydrogen sulfide. <i>Dyes and Pigments</i> , 2017, 139, 482-486.	2.0	39
339	A simple and readily available fluorescent turn-on probe for cysteine detection and bioimaging in living cells. <i>Dyes and Pigments</i> , 2017, 139, 73-78.	2.0	56
340	Amphiphilic Polymer-Based Fluorescent Probe for Enantioselective Recognition of Amino Acids in Immiscible Water and Organic Phases. <i>Chemistry - A European Journal</i> , 2017, 23, 18066-18073.	1.7	15
341	Bulk Aggregation Based Fluorescence Turn-On Sensors for Selective Detection of Progesterone in Aqueous Solution. <i>Angewandte Chemie</i> , 2017, 129, 14834-14839.	1.6	4
342	A dual-selective fluorescent probe for GSH and Cys detection: Emission and pH dependent selectivity. <i>Analytica Chimica Acta</i> , 2017, 993, 87-95.	2.6	43
343	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.	7.2	27
344	A novel fluorescence turn-on probe for the selective detection of thiophenols by caged benzooxazolidinoindocyanine. <i>RSC Advances</i> , 2017, 7, 46148-46154.	1.7	7
345	Synthesis, X-ray Structure, Spectral and Electrochemical Properties of Aza-BODIPY-Metal Dipyrinyl Conjugates. <i>ChemistrySelect</i> , 2017, 2, 9663-9669.	0.7	1

#	ARTICLE	IF	CITATIONS
346	Liquid-to-gel transition for visual and tactile detection of biological analytes. <i>Chemical Communications</i> , 2017, 53, 12622-12625.	2.2	12
347	Competitive Inhibition of the Enzyme-Mimic Activity of Gd-Based Nanorods toward Highly Specific Colorimetric Sensing of <i>L</i> -Cysteine. <i>Langmuir</i> , 2017, 33, 10006-10015.	1.6	68
348	A water-soluble fluorescent hybrid material based on aminoclay and its bioimaging application. <i>RSC Advances</i> , 2017, 7, 44614-44618.	1.7	9
349	Hypoxia imaging in cells and tumor tissues using a highly selective fluorescent nitroreductase probe. <i>Scientific Reports</i> , 2017, 7, 9174.	1.6	48
350	Floreszenzsonden mit mehreren Bindungsstellen unterscheiden zwischen Cys, Hcy und GSH. <i>Angewandte Chemie</i> , 2017, 129, 13368-13379.	1.6	39
351	Fluorescent Probes with Multiple Binding Sites for the Discrimination of Cys, Hcy, and GSH. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13188-13198.	7.2	385
352	Copper(<i>ii</i>)-benzimidazole complexes as efficient fluorescent probes for <i>L</i> -cysteine in water. <i>Dalton Transactions</i> , 2017, 46, 11408-11417.	1.6	24
353	Substratspezifische Analyse von Aminosäuren mit Sensoren für <i>L</i> -Cystein: umfassende stereochemische Untersuchungen in wässriger Lösung. <i>Angewandte Chemie</i> , 2017, 129, 7382-7387.	1.6	10
354	Facile Designing of a Colorimetric Plasmonic Gold Nanosensor for Selective Detection of Cysteine over Other Biothiols. <i>ChemistrySelect</i> , 2017, 2, 11200-11205.	0.7	6
355	A near-infrared phosphorescent iridium(<i>iii</i>) complex for imaging of cysteine and homocysteine in living cells and <i>in vivo</i> . <i>RSC Advances</i> , 2017, 7, 52621-52625.	1.7	13
356	Fast and Selective Two-Stage Ratiometric Fluorescent Probes for Imaging of Glutathione in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 13112-13119.	3.2	57
357	Enantioselective Fluorescent Recognition of Amino Acids by Amide Formation: An Unusual Concentration Effect. <i>Journal of Organic Chemistry</i> , 2017, 82, 12669-12673.	1.7	17
358	A simple and sensitive fluorescent probe for specific detection of cysteine. <i>Journal of Chemical Sciences</i> , 2017, 129, 1219-1223.	0.7	11
359	A highly selective visible light excitable boron dipyrromethene probe for cysteine over homocysteine and glutathione based on a Michael addition reaction. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 1079-1086.	4.0	25
360	Copper-based reactions in analyte-responsive fluorescent probes for biological applications. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 300-312.	1.5	14
361	Homochiral MOF as Circular Dichroism Sensor for Enantioselective Recognition on Nature and Chirality of Unmodified Amino Acids. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20991-20999.	4.0	91
362	A colorimetric and ratiometric fluorescent probe with enhanced near-infrared fluorescence for selective detection of cysteine and its application in living cells. <i>Dyes and Pigments</i> , 2017, 146, 103-111.	2.0	74
363	AIE-doped poly(ionic liquid) photonic spheres: a single sphere-based customizable sensing platform for the discrimination of multi-analytes. <i>Chemical Science</i> , 2017, 8, 6281-6289.	3.7	64

#	ARTICLE	IF	CITATIONS
364	A chiral BINOL-based Gemini amphiphilic gelator and its specific discrimination of native arginine by gelation in water. <i>Soft Matter</i> , 2017, 13, 5453-5462.	1.2	10
365	N-acetylglyoxylic amide bearing a nitrophenyl group as anion receptors: NMR and X-ray investigations on anion binding and selectivity. <i>Journal of Molecular Structure</i> , 2017, 1146, 571-576.	1.8	1
366	A Pyridinium-urea-coupled Polyether Receptor for the Selective Sensing of Lysine and Cell Imaging. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 355-362.	1.2	5
367	A simple fluorescent probe for sensing cysteine over homocysteine and glutathione based on PET. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 918-923.	2.0	34
368	Highly selective and sensitive fluorescent sensor: Thiacalix[4]arene-1-naphthalene carboxylate for Zn ²⁺ ions. <i>Journal of Molecular Structure</i> , 2017, 1133, 1-8.	1.8	21
369	A fluorescent probe for the efficient discrimination of Cys, Hcy and GSH based on different cascade reactions. <i>Biosensors and Bioelectronics</i> , 2017, 90, 117-124.	5.3	110
370	Imidazolium Based Probes for Recognition of Biologically and Medically Relevant Anions. <i>Chemical Record</i> , 2017, 17, 441-471.	2.9	18
371	Syntheses, structures and photoluminescence properties of iridium (III) complexes based on a salen ligand. <i>Journal of Luminescence</i> , 2017, 181, 439-442.	1.5	5
372	A novel benzidine based Schiff base -fluorescent chemosensor for selective recognition of Zn ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 1218-1223.	4.0	40
373	Scrupulous recognition of biologically important acids by fluorescent -mechanism of thiacalix reduced silver nanoparticles. <i>Chinese Chemical Letters</i> , 2017, 28, 312-318.	4.8	12
374	Supramolecular Dye Aggregate Assembly Enables Ratiometric Detection and Discrimination of Lysine and Arginine in Aqueous Solution. <i>ACS Omega</i> , 2017, 2, 8779-8787.	1.6	48
375	Incorporating gold nanoclusters and target-directed liposomes as a synergistic amplified colorimetric sensor for HER2-positive breast cancer cell detection. <i>Theranostics</i> , 2017, 7, 899-911.	4.6	65
376	Poly(Ionic Liquid) Based Chemosensors for Detection of Basic Amino Acids in Aqueous Medium. <i>Frontiers in Chemistry</i> , 2017, 5, 69.	1.8	14
377	Fluorescent Sensing of Chirality. , 2017, , 129-160.		1
378	Logic gate-based Rhodamine-methionine conjugate highly sensitive fluorescent probe for Hg ²⁺ ion and its application: An experimental and theoretical study. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 298-311.	4.0	30
379	Graphene-based aptasensors: from molecule-interface interactions to sensor design and biomedical diagnostics. <i>Analyst</i> , The, 2018, 143, 1526-1543.	1.7	82
380	Enantioselective Fluorescent Recognition of Amino Acids in Aqueous Solution by Using a Chiral Aldehyde Probe. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1891-1895.	1.2	16
381	A novel Schiff base derivative of pyridoxal for the optical sensing of Zn ²⁺ and cysteine. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 414-422.	1.6	65

#	ARTICLE	IF	CITATIONS
382	Naked eye and optical biosensing of cysteine over the other amino acids using β -cyclodextrin decorated silver nanoparticles as a nanoprobe. <i>New Journal of Chemistry</i> , 2018, 42, 9193-9199.	1.4	22
383	A novel near-infrared fluorescent probe for highly selective detection of cysteine and its application in living cells. <i>Talanta</i> , 2018, 185, 477-482.	2.9	46
384	Optical Sensing of Aromatic Amino Acids and Dipeptides by a Crown Ether-Functionalized Perylene Bisimide Fluorophore. <i>Chemistry - A European Journal</i> , 2018, 24, 8009-8016.	1.7	19
385	Fluorescent Discrimination of Primary Alkyl Amines by Using a Binaphthyl Ladder Polymer. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1896-1901.	1.2	2
386	A simple coumarin-based fluorescent probe for specific detection of cysteine over homocysteine and glutathione. <i>Chemical Papers</i> , 2018, 72, 1461-1466.	1.0	4
387	A BODIPY-based mitochondria-targeted turn-on fluorescent probe with dual response units for the rapid detection of intracellular biothiols. <i>Dyes and Pigments</i> , 2018, 152, 29-35.	2.0	35
388	Exceptional case of Kasha's rule: Emission from higher-lying singlet electron excited states into ground states in coumarin-based biothiol sensing. <i>Dyes and Pigments</i> , 2018, 152, 118-126.	2.0	15
389	A new cyano-substituted fluorescamine superior to its original form as a fluorescent probe for amino acid detection. <i>Tetrahedron Letters</i> , 2018, 59, 1104-1107.	0.7	3
390	Metal-free remote-site C-H alkenylation: regio- and diastereoselective synthesis of solvatochromic dyes. <i>Green Chemistry</i> , 2018, 20, 701-712.	4.6	23
391	Chiral metal-organic frameworks constructed from four-fold helical chain SBUs for enantioselective recognition of \pm -hydroxy/amino acids. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 153-159.	3.0	26
392	A Fluorescent Sensor of 3-Aminobenzenboronic Acid Functionalized Hydrothermal Carbon Spheres for Facility Detection of L-tryptophan. <i>Journal of Fluorescence</i> , 2018, 28, 439-444.	1.3	20
393	Metal-Organic Framework-Based Selective Sensing of Biothiols via Chemodosimetric Approach in Water. <i>ACS Omega</i> , 2018, 3, 254-258.	1.6	36
394	Aldehyde-functionalized metal-organic frameworks for selective sensing of homocysteine over Cys, GSH and other natural amino acids. <i>Chemical Communications</i> , 2018, 54, 1004-1007.	2.2	55
395	An α -fluorescein-based colorimetric and fluorescent probe for the detection of glutathione and cysteine over homocysteine and its application for cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 295-302.	4.0	48
396	Meso-heteroaryl BODIPY dyes as dual-responsive fluorescent probes for discrimination of Cys from Hcy and GSH. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 861-869.	4.0	68
397	A Visible and Near-Infrared, Dual-Channel Fluorescence-On Probe for Selectively Tracking Mitochondrial Glutathione. <i>Chem</i> , 2018, 4, 1609-1628.	5.8	161
398	An efficient fluorescent probe for rapid sensing of different concentration ranges of cysteine with two-stage ratiometric signals. <i>Dyes and Pigments</i> , 2018, 157, 284-289.	2.0	21
399	Colorimetric chiral fluorescent sensors for Eu^{3+} and sequential enantioselective sensing of malate anion. <i>Chirality</i> , 2018, 30, 777-784.	1.3	7

#	ARTICLE	IF	CITATIONS
400	A highly selective and sensitive fluorescence probe with A- β -D- β -A structure for detection of Ag ⁺ . <i>Journal of Molecular Structure</i> , 2018, 1163, 33-40.	1.8	11
401	A facile fluorescent "turn-off" method for sensing paraquat based on pyranine-paraquat interaction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 96-101.	2.0	35
402	A molecular rotor based ratiometric sensor for basic amino acids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 120-126.	2.0	37
403	Chiral discrimination of amino acid enantiomers based on different interactions with Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 44-51.	4.0	19
404	A turn-on fluorescent probe for selective detection of glutathione using trimethyl lock strategy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 94-100.	2.0	3
405	A reversible water-soluble naphthalimide-based chemosensor for imaging of cellular copper(II) ion and cysteine. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 632-638.	4.0	45
406	A selective and sensitive fluorescent sensor for cysteine detection based on bis-carboxamidoquinoline derivative and Cu ²⁺ complex. <i>Luminescence</i> , 2018, 33, 153-160.	1.5	21
407	Real-Time Monitoring of Endogenous Cysteine Levels In Vivo by near-Infrared Turn-on Fluorescent Probe with Large Stokes Shift. <i>Analytical Chemistry</i> , 2018, 90, 1014-1020.	3.2	204
408	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Reversible Covalent Bonding, Control of Selectivity, and Chirality Sensing with a Single System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1300-1305.	7.2	66
409	Dynamic Covalent Chemistry within Biphenyl Scaffolds: Reversible Covalent Bonding, Control of Selectivity, and Chirality Sensing with a Single System. <i>Angewandte Chemie</i> , 2018, 130, 1314-1319.	1.6	23
410	Fluorescent biogenic Schiff base compounds of dimethyltin. <i>New Journal of Chemistry</i> , 2018, 42, 1655-1664.	1.4	16
411	Chemically diverse small molecule fluorescent chemosensors for copper ion. <i>Coordination Chemistry Reviews</i> , 2018, 357, 50-104.	9.5	304
412	A lysosome-targetable turn-on fluorescent probe for the detection of thiols in living cells based on a 1,8-naphthalimide derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 67-74.	2.0	42
413	A novel NBD-based fluorescent turn-on probe for the detection of cysteine and homocysteine in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 52-58.	2.0	23
414	A recyclable polymeric film for the consecutive colorimetric detection of cysteine and mercury ions in the aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 728-733.	4.0	26
415	"Turn-on" fluorescent probe for detection of H ₂ S and its applications in bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 8-12.	2.0	36
416	Specific and sensitive imaging of basal cysteine over homocysteine in living cells. <i>RSC Advances</i> , 2018, 8, 37410-37416.	1.7	11
417	Amino Acids: Analysis and Separation by Liquid Chromatography. , 2018, , 113-113.		0

#	ARTICLE	IF	CITATIONS
418	Terbium Oxalatophosphonate as Efficient Multiresponsive Luminescent Sensors for Chromate Anions and Tryptophan Molecules. <i>ACS Omega</i> , 2018, 3, 16735-16742.	1.6	15
419	Michaelâ€Reactionâ€Based Simple â€Turnâ€Onâ€Fluorescent Chemodosimeter to Detect Cys in Partial Aqueous Medium. <i>ChemistrySelect</i> , 2018, 3, 12900-12906.	0.7	2
420	Stereoselective Sensing of <i>l</i> - and <i>d</i> -Amino Acids: Development of a Fluorescenceâ€Array Based on Readily Available Chiral Phosphoric Acids. <i>Chemistry - A European Journal</i> , 2018, 24, 16506-16510.	1.7	14
421	Colorimetric detection of histidine in aqueous solution by Ni ²⁺ complex of a thiazolylazo dye based on indicator displacement mechanism. <i>Tetrahedron Letters</i> , 2018, 59, 3988-3993.	0.7	17
422	A ratiometric fluorescent BODIPY-based probe for rapid and highly sensitive detection of cysteine in human plasma. <i>Analyst</i> , 2018, 143, 5728-5735.	1.7	27
423	Chiral Receptors for Lysine Based on Covalently Linked Bis- and Tris-binaphthylphosphoric Acids. <i>Organic Letters</i> , 2018, 20, 6153-6156.	2.4	13
424	A Multifunctional Molecular Probe for Detecting Hg ²⁺ and Ag ⁺ Based on Ion-Mediated Base Mismatch. <i>Sensors</i> , 2018, 18, 3280.	2.1	11
425	Recent progress in fluorescent and colorimetric sensors for the detection of ions and biomolecules. <i>Chinese Chemical Letters</i> , 2018, 29, 1545-1559.	4.8	69
426	BODIPY-based turn-on fluorescent probes for cysteine and homocysteine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 77-84.	2.0	35
427	Thiazolyl substituted NBD as fluorescent probe for the detection of homocysteine and cysteine. <i>Dyes and Pigments</i> , 2018, 158, 151-156.	2.0	38
428	A novel pyrrole fused coumarin based highly sensitive and selective fluorescence chemosensor for detection of Cu ²⁺ ions and applications towards live cell imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 635-644.	2.0	35
429	Metallo-supramolecular complex of 1,3-di{bis(2-hydroxynaphthyl)}-2-aminothiophenylcalix[4]arene for the detection of L-histidine using secondary interactions. <i>Journal of Luminescence</i> , 2018, 203, 364-370.	1.5	3
430	A Critical Review on Colorimetric and Fluorescent Probes for the Sensing of Analytes via Relay Recognition from the year 2012â€17. <i>ChemistrySelect</i> , 2018, 3, 7231-7268.	0.7	72
431	Construction of unconventional fluorescent poly(amino ester) polyols as sensing platform for label-free detection of Fe ³⁺ ions and L-cysteine. <i>Journal of Materials Science</i> , 2018, 53, 15717-15725.	1.7	15
432	Rational design of an â€on-off-onâ€fluorescent switch for Cu ²⁺ and histidine based on chiral macrocyclic dioxopolyamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 287-291.	2.0	14
433	Construction of two Zn(<i>ii</i>)/Cd(<i>ii</i>) multifunctional coordination polymers with mixed ligands for catalytic and sensing properties. <i>New Journal of Chemistry</i> , 2018, 42, 14203-14209.	1.4	53
434	Reengineering cell-free protein synthesis as a biosensor: Biosensing with transcription, translation, and protein-folding. <i>Biochemical Engineering Journal</i> , 2018, 138, 165-171.	1.8	42
435	Acidic amino acids: A new-type of enzyme mimics with application to biosensing and evaluating of antioxidant behaviour. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 367-375.	2.0	15

#	ARTICLE	IF	CITATIONS
436	Multifunctional Fluorescent Nanoprobe for Sequential Detections of Hg ²⁺ Ions and Biothiols in Live Cells. <i>ACS Applied Bio Materials</i> , 2018, 1, 871-878.	2.3	30
437	Water-soluble naphthalene diimides: synthesis, optical properties, and colorimetric detection of biogenic amines. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2641-2651.	2.3	16
438	An Optimized Sensor Array Identifies All Natural Amino Acids. <i>ACS Sensors</i> , 2018, 3, 1562-1568.	4.0	51
439	Fabrication of ternary MoS ₂ -polypyrrole-Pd nanotubes as peroxidase mimics with a synergistic effect and their sensitive colorimetric detection of L-cysteine. <i>Analytica Chimica Acta</i> , 2018, 1035, 146-153.	2.6	47
440	Trimethyl Lock: A Multifunctional Molecular Tool for Drug Delivery, Cellular Imaging, and Stimuli-Responsive Materials. <i>ChemBioChem</i> , 2018, 19, 1668-1694.	1.3	24
441	A dual-response fluorescent probe for the discrimination of cysteine from glutathione and homocysteine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 1-7.	2.0	15
442	Reactive Blue 4 as a Single Colorimetric Chemosensor for Sequential Determination of Multiple Analytes with Different Optical Responses in Aqueous Media: Cu ²⁺ -Cysteine Using a Metal Ion Displacement and Cu ²⁺ -Arginine Through the Host-Guest Interaction. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 913-937.	1.4	8
443	A naked-eye liquid-phase colorimetric assay of simultaneous detect cysteine and lysine. <i>Dyes and Pigments</i> , 2019, 160, 151-158.	2.0	24
444	A FRET-based ratiometric fluorescent probe for highly selective detection of cysteine based on a coumarin-rhodol derivative. <i>New Journal of Chemistry</i> , 2019, 43, 14763-14771.	1.4	24
445	Fluorescence detection and imaging in zebrafish and <i>Arabidopsis thaliana</i> based on Cys/Hcy breaking space effect. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126844.	4.0	10
446	Aggregation-induced emission of azines: An up-to-date review. <i>Journal of Molecular Liquids</i> , 2019, 292, 111371.	2.3	37
447	Three d ₁₀ based metal-organic frameworks constructed from 2-(3,4-dicarboxylphenoxy) isophthalic acid: Dual-functional luminescent sensors for Cu ²⁺ , Fe ³⁺ cations and Aspartic acid. <i>Journal of Solid State Chemistry</i> , 2019, 277, 564-574.	1.4	11
448	Development of a new fluorescent probe for cysteine detection in processed food samples. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6203-6212.	1.9	19
449	In silico Complexes of Amino Acids and Diamondoids. <i>ChemPhysChem</i> , 2019, 20, 2166-2170.	1.0	2
450	Aggregation-disaggregation-switched sensing strategy for copper(II) ion and histidine in aqueous solution and living cell imaging. <i>Dyes and Pigments</i> , 2019, 171, 107697.	2.0	11
451	A novel pillar[5]arene-based chemosensor for dual-channel detecting L-Arg by multiple supramolecular interactions. <i>Dyes and Pigments</i> , 2019, 171, 107706.	2.0	22
452	Two chemodosimeters for fluorescence recognition of biothiols in aqueous solution and their bioimaging application. <i>Tetrahedron</i> , 2019, 75, 130477.	1.0	17
453	Structurally regular arrangement induced fluorescence enhancement and specific recognition for glutathione of a pyrene chalcone derivative. <i>Analytica Chimica Acta</i> , 2019, 1082, 146-151.	2.6	8

#	ARTICLE	IF	CITATIONS
454	Chiral Zinc Complexes Used as Fluorescent Sensor for Natural Amino Acids. <i>ChemistrySelect</i> , 2019, 4, 9317-9321.	0.7	5
455	A Fluorescent Probe Based on Pyrene Ring for Detecting Cys and its Application in Biology. <i>Journal of Fluorescence</i> , 2019, 29, 1241-1248.	1.3	5
456	Excitation of One Fluorescent Probe at Two Different Wavelengths to Determine the Concentration and Enantiomeric Composition of Amino Acids. <i>Organic Letters</i> , 2019, 21, 9036-9039.	2.4	14
457	S $\kern-0.25ex\text{\AA}$ Click Reaction for Isotropic Orientation of Oxidases on Electrodes to Promote Electron Transfer at Low Potentials. <i>Angewandte Chemie</i> , 2019, 131, 16632-16636.	1.6	5
458	S $\kern-0.25ex\text{\AA}$ Click Reaction for Isotropic Orientation of Oxidases on Electrodes to Promote Electron Transfer at Low Potentials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16480-16484.	7.2	8
459	“Aggregation-induced emission” of transition metal compounds: Design, mechanistic insights, and applications. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 41, 100317.	5.6	85
460	Quantitative Chiroptical Sensing of Free Amino Acids, Biothiols, Amines, and Amino Alcohols with an Aryl Fluoride Probe. <i>Journal of the American Chemical Society</i> , 2019, 141, 16382-16387.	6.6	46
461	A two-photon ratiometric fluorescent probe for highly selective sensing of mitochondrial cysteine in live cells. <i>Analyst</i> , 2019, 144, 439-447.	1.7	43
462	A highly selective ICT-based fluorescent probe for cysteine sensing and its application in living cell imaging. <i>Analytical Methods</i> , 2019, 11, 1199-1207.	1.3	25
463	Recent Developments in Polydiacetylene-Based Sensors. <i>Chemistry of Materials</i> , 2019, 31, 1196-1222.	3.2	177
464	Cascade recognition of Hg ²⁺ and cysteine using a naphthalene based ESIPT sensor and its application in a set/reset memorized device. <i>New Journal of Chemistry</i> , 2019, 43, 436-443.	1.4	21
465	EXPRESS: Cyclometalated Iridium Complex as Off-On-Off Reversible Photoluminescence Probe for Redox Cycle HSO ₃ ⁻ /HSO ₂ ⁻ in Living Cells. <i>Applied Spectroscopy</i> , 2019, 73, 000370281986157.	1.2	0
466	Micelle-Encapsulated Fluorescent Probe: Chemoselective and Enantioselective Recognition of Lysine in Aqueous Solution. <i>Organic Letters</i> , 2019, 21, 4777-4781.	2.4	20
467	A turn-on fluorescence probe for cysteine/homocysteine based on the nucleophilic-induced rearrangement of benzothiazole thioether. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117262.	2.0	17
468	Unexpected reaction patterns enable simultaneous differentiation of H ₂ S, H ₂ S _n and biothiols. <i>Chemical Communications</i> , 2019, 55, 8130-8133.	2.2	22
469	An indicator displacement assay recognizes enantiomers of chiral carboxylates. <i>Chemical Communications</i> , 2019, 55, 7183-7186.	2.2	15
470	A lysosome-targetable fluorescent probe for real-time imaging cysteine under oxidative stress in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117175.	2.0	19
471	Carboxylato-pillar[6]arene-based fluorescent indicator displacement assays for the recognition of monoamine neurotransmitters. <i>RSC Advances</i> , 2019, 9, 16856-16862.	1.7	9

#	ARTICLE	IF	CITATIONS
472	Fluorescent probe for sensitive discrimination of Hcy and Cys/GSH in living cells via dual-emission. <i>Analytica Chimica Acta</i> , 2019, 1074, 123-130.	2.6	46
473	Simultaneous Determination of Concentration and Enantiomeric Composition of Amino Acids in Aqueous Solution by Using a Tetrabromobinaphthyl Dialdehyde Probe. <i>Chemistry - A European Journal</i> , 2019, 25, 9967-9972.	1.7	10
474	An excited-state intramolecular proton transfer (ESIPT)-based aggregation-induced emission active probe and its Cu(II) complex for fluorescence detection of cysteine. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 69-77.	4.0	30
475	Rapid detection of aspartic acid and glutamic acid in water by BODIPY-Based fluorescent probe: Live-cell imaging and DFT studies. <i>Dyes and Pigments</i> , 2019, 168, 111-122.	2.0	36
476	Simultaneous visualization of cysteine/homocysteine and glutathione in living cells and <i>Daphnia magna</i> via dual-signaling fluorescent chemosensor. <i>Dyes and Pigments</i> , 2019, 168, 189-196.	2.0	33
477	A MALDI-TOF-based Method for Studying the Transport of BBB Shuttles "Enhancing Sensitivity and Versatility of Cell-Based In Vitro Transport Models. <i>Scientific Reports</i> , 2019, 9, 4875.	1.6	5
478	A lysosome-targetable fluorescent probe for the simultaneous sensing of Cys/Hcy and GSH from different emission channels. <i>RSC Advances</i> , 2019, 9, 7955-7960.	1.7	16
479	Crystal interactions, computational, spectral and thermal analysis of (E)-N'-(thiophen-2-ylmethylene)isonicotinohydrazide as O-N-S-tridentate schiff base ligand. <i>Journal of Molecular Structure</i> , 2019, 1185, 290-299.	1.8	3
480	A novel turn-on fluorescent probe for selective sensing and imaging of glutathione in live cells and organisms. <i>Analyst</i> , The, 2019, 144, 3260-3266.	1.7	19
481	Fluorescein propiolate: a propiolate-decorated fluorescent probe with remarkable selectivity towards cysteine. <i>Chemical Communications</i> , 2019, 55, 4937-4940.	2.2	16
482	3,5-dinitropyridin-2-yl as a fast thiol-responsive capping moiety in the development of fluorescent probes of biothiols. <i>Dyes and Pigments</i> , 2019, 167, 157-163.	2.0	10
483	Perylenequinone-based "turn on" fluorescent probe for hydrogen sulfide with high sensitivity in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 206-212.	2.0	9
484	A multi-analyte selective dansyl derivative for the fluorescence detection of Cu(ii) and cysteine. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1533-1539.	1.6	33
485	Ultrafast deep-red emission fluorescent probe for highly selective imaging of endogenous cysteine in living cells and mice. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 581-590.	4.0	19
486	Iridium(III)-based chemosensors for the detection of metal ions. <i>Methods</i> , 2019, 168, 3-17.	1.9	27
487	A novel water-soluble fluorescence probe based on ICT lighten for detecting hydrogen sulfide and its application in bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 355-359.	2.0	27
488	Sensitively and Selectively Detect Biothiols by Using Fluorescence Method and Resonance Light Scattering Technique Simultaneously. <i>Molecules</i> , 2019, 24, 4136.	1.7	2
489	Sensor array based on single carbon quantum dot for fluorometric differentiation of all natural amino acids. <i>Mikrochimica Acta</i> , 2019, 186, 858.	2.5	17

#	ARTICLE	IF	CITATIONS
490	Near-infrared turn-on fluorescent probe for discriminative detection of Cys and application in <i>in vivo</i> imaging. <i>RSC Advances</i> , 2019, 9, 41431-41437.	1.7	16
491	GdPO ₄ -Based Nanoprobe for Bioimaging and Selective Recognition of Dipicolinic Acid and Cysteine by a Sensing Ensemble Approach. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 996-1004.	2.6	9
492	Rare-earth post-modified Zn-based coordination polymer microspheres: Simple room-temperature preparation, fluorescent performances and application for detection of tryptophane. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 731-739.	4.0	37
493	Biothiol detection by "ON-OFF-ON" fluorescence probe based on anthracene derivative. <i>Journal of Molecular Structure</i> , 2019, 1179, 623-629.	1.8	13
494	Fluorescence tunable thiophene-bis(benzimidazole)-based probes for a cascade trace detection of Hg ²⁺ and lysine: A molecular switch mimic. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 933-944.	4.0	36
495	A series of BODIPY-based probes for the detection of cysteine and homocysteine in living cells. <i>Talanta</i> , 2019, 195, 281-289.	2.9	71
496	New Bifunctional Diarylethene Sensor for Multianalyte Detection and Al ³⁺ Imaging in Live Cells. <i>ACS Omega</i> , 2019, 4, 309-319.	1.6	26
497	Establishment of a novel high-throughput screening method for the detection and quantification of L-phosphinothricin produced by a biosynthesis approach. <i>Process Biochemistry</i> , 2019, 76, 136-141.	1.8	10
498	Free Amino Acid Recognition: A Bisbinaphthyl-Based Fluorescent Probe with High Enantioselectivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 175-181.	6.6	108
499	CuMnO ₂ nanoflakes as pH-switchable catalysts with multiple enzyme-like activities for cysteine detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 374-384.	4.0	65
500	Spectrochemical and theoretical approaches for acylhydrazone-based fluoride sensors. <i>Research on Chemical Intermediates</i> , 2019, 45, 425-435.	1.3	5
501	Cascade reaction-based trinal-site probe for sensing and imaging of cysteine and glutathione. <i>Talanta</i> , 2020, 208, 119934.	2.9	10
502	Fluorescent norbornene for sequential detection of mercury and biothiols. <i>Dyes and Pigments</i> , 2020, 172, 107872.	2.0	45
503	Quinoline appended pillar[5]arene (QPA) as Fe ³⁺ sensor and complex of Fe ³⁺ (FeQPA) as a selective sensor for F ⁻ , arginine and lysine in the aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117390.	2.0	22
504	A colorimetric chemosensor for quantification of exchangeable Cu ²⁺ in soil. <i>Chemosphere</i> , 2020, 238, 124664.	4.2	7
505	A polyelectrolyte based ratiometric optical sensor for Arginine and Lysine. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127182.	4.0	49
506	A bis-indole/carbazole based C5-curcuminoid fluorescent probe with large Stokes shift for selective detection of biothiols and application to live cell imaging. <i>Analyst</i> , 2020, 145, 1184-1189.	1.7	12
507	Nanomolar detection of biothiols <i>in vivo</i> turn-ON fluorescent indicator displacement. <i>Analyst</i> , 2020, 145, 851-857.	1.7	6

#	ARTICLE	IF	CITATIONS
508	An ultrasensitive and visible lighting-up probe for imaging thiophenols in water samples, in serum and visualizing thiophenols-induced oxidative stress process in live cells. <i>Talanta</i> , 2020, 210, 120622.	2.9	5
509	Copper nanoclusters-modified with papaya juice for fluorescence turn-on detection of serum l-histidine Today four files of proofs was sent to m.saksena@elsevier.com Please check the files. <i>Microchemical Journal</i> , 2020, 153, 104333.	2.3	11
510	Selective recognition and determination of phenylalanine by a fluorescent probe based on cucurbit[8]uril and palmatine. <i>Analytica Chimica Acta</i> , 2020, 1104, 164-171.	2.6	18
511	A Multi-Signaling Performance for Simultaneous Surveillance and Accretion of Cysteine and Serine in Human Cancer Cell. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 94-98.	1.3	6
512	A new thiophene-based dual functional chemosensor for ultrasensitive colorimetric detection of Cu ²⁺ in aqueous solution and highly selective fluorimetric detection of Al ³⁺ in living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112249.	2.0	29
513	A novel xanthylene-based effective mitochondria-targeting ratiometric cysteine probe and its bioimaging in living cells. <i>Talanta</i> , 2020, 209, 120580.	2.9	16
514	A simple probe with visible color change for selective detection of cysteine. <i>Spectroscopy Letters</i> , 2020, 53, 664-670.	0.5	7
515	Bioapplications of small molecule Aza-BODIPY: from rational structural design to <i>in vivo</i> investigations. <i>Chemical Society Reviews</i> , 2020, 49, 7533-7567.	18.7	255
516	Amino group dependent sensing properties of metal-organic frameworks: selective turn-on fluorescence detection of lysine and arginine. <i>RSC Advances</i> , 2020, 10, 37449-37455.	1.7	38
517	BODIPY- and Porphyrin-Based Sensors for Recognition of Amino Acids and Their Derivatives. <i>Molecules</i> , 2020, 25, 4523.	1.7	15
518	Mitochondria-Targeted Sensor Array with Aggregation-Induced Emission Luminogens for Identification of Various Cells. <i>Analytical Chemistry</i> , 2020, 92, 14444-14451.	3.2	17
519	Spiropyran-modified upconversion nanocomposite as a fluorescent sensor for diagnosis of histidinemia. <i>RSC Advances</i> , 2020, 10, 26664-26670.	1.7	11
520	<i>N</i> -(2-Aminoethyl)-2-(hexylthio) Acetamide-Functionalized Pillar[5]arene for the Selective Detection of ¹ L-Trp through Guest-Adaptive Multisupramolecular Interactions. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9811-9817.	1.1	20
521	Chemoselective and enantioselective fluorescent recognition of glutamic and aspartic acids. <i>Chemical Communications</i> , 2020, 56, 15012-15015.	2.2	12
522	A nano-molar level fluorogenic and oxidation state-selective chromogenic dual reversible chemosensor for multiple targets, Cu ²⁺ /S ²⁺ and Fe ³⁺ /F ⁺ ions. <i>New Journal of Chemistry</i> , 2020, 44, 15186-15194.	1.4	17
523	Liquid crystal material with gold nanoparticles as optical sensors active medium for the amino acids detection. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 699, 57-62.	0.4	1
524	Halal Malaysia brand equity mishap. <i>Journal of Islamic Marketing</i> , 2020, ahead-of-print, .	2.3	3
525	Understanding the selective-sensing mechanism of lysine by fluorescent nanosensors based on graphene quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 242, 118732.	2.0	21

#	ARTICLE	IF	CITATIONS
526	Supramolecular chemistry of substituted cucurbit[<i>n</i>]urils. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3217-3246.	3.0	32
527	Natural Occurrence, Biological Functions, and Analysis of D-Amino Acids. <i>Pharmaceutical Fronts</i> , 2020, 02, e79-e87.	0.4	3
528	Crystallization Induced Enhanced Emission in Two New Zn(II) and Cd(II) Supramolecular Coordination Complexes with the 1-(3,4-Dimethylphenyl)-5-Methyl-1H-1,2,3-Triazole-4-Carboxylate Ligand. <i>Polymers</i> , 2020, 12, 1756.	2.0	7
529	A new strategy for the detection and discrimination of sulfhydryl amino acids through liquid crystals sensing platform with Cu(CIO ₄) ₂ . <i>Microchemical Journal</i> , 2020, 159, 105568.	2.3	4
530	Anthracene-Tagged UiO-67-MOF as Highly Selective Aqueous Sensor for Nanoscale Detection of Arginine Amino Acid. <i>Inorganic Chemistry</i> , 2020, 59, 13091-13097.	1.9	25
531	Recent advances of BINOL-based sensors for enantioselective fluorescence recognition. <i>Analyst</i> , The, 2020, 145, 6769-6812.	1.7	18
532	Thermodynamic investigation of the interaction between ionic liquid functionalized gold nanoparticles and human serum albumin for selective determination of glutamine. <i>RSC Advances</i> , 2020, 10, 31400-31410.	1.7	9
533	Organotrialkoxysilane-mediated synthesis of functional noble metal nanoparticles and their bimetallic for electrochemical recognition of L-tryptophan. <i>MRS Advances</i> , 2020, 5, 2429-2444.	0.5	6
534	A facile synthesis of two ionized fluorescent carbon dots and selective detection toward Fe ²⁺ and Cu ²⁺ . <i>Nanoscale Advances</i> , 2020, 2, 2943-2949.	2.2	1
535	Biomimetic fluorescent probe for chiral glutamic acid in water and its application in living cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128383.	4.0	8
536	A pillar[5]arene-based fluorescent sensor for sensitive detection of L-Met through a dual-site collaborative mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118569.	2.0	14
537	A near-IR Fluorescent Probe for Enantioselective Recognition of Amino Acids in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2020, 85, 7342-7348.	1.7	21
538	Conjugated Polyelectrolyte Based Colorimetric Array for the Discrimination of Primary Amino Acids. <i>ChemistrySelect</i> , 2020, 5, 5400-5403.	0.7	2
539	Tripodal naphthalimide assembled novel AIE supramolecular fluorescent sensor for rapid and selective detection of picric acid. <i>Dyes and Pigments</i> , 2020, 181, 108563.	2.0	28
540	A New Highly Selective Colorimetric and Fluorometric Coumarin-based Chemosensor for Hg ²⁺ . <i>Journal of Fluorescence</i> , 2020, 30, 985-997.	1.3	12
541	Colorimetric determination of cysteine by a paper-based assay system using aspartic acid modified gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 362.	2.5	20
542	Highly Stable Lanthanide Metal-Organic Framework as an Internal Calibrated Luminescent Sensor for Glutamic Acid, a Neuropathy Biomarker. <i>Inorganic Chemistry</i> , 2020, 59, 8809-8817.	1.9	45
543	Detecting Cysteine in Bioimaging with a Near-Infrared Probe Based on a Novel Fluorescence Quenching Mechanism. <i>ChemBioChem</i> , 2020, 21, 3131-3136.	1.3	17

#	ARTICLE	IF	CITATIONS
544	A Water-soluble Near-infrared Fluorescent Probe for Cysteine/ Homocysteine and Its Application in Live Cells and Mice. <i>Analytical Sciences</i> , 2020, 36, 1053-1057.	0.8	7
545	A Copper (II) Ensemble-Based Fluorescence Chemosensor and Its Application in the "Naked-Eye"™ Detection of Biothiols in Human Urine. <i>Sensors</i> , 2020, 20, 1331.	2.1	7
546	Enantioselective Fluorescent Recognition of Free Amino Acids: Challenges and Opportunities. <i>Angewandte Chemie</i> , 2020, 132, 21998-22012.	1.6	18
547	Fluorescent recognition of L- and D-tryptophan in water by micelle probes. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2384-2388.	3.2	9
548	Enantioselective Fluorescent Recognition of Free Amino Acids: Challenges and Opportunities. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21814-21828.	7.2	86
549	BODIPY-based Fluorescent Probe for the Detection of Cysteine in Living Cells. <i>Analytical Sciences</i> , 2020, 36, 1317-1322.	0.8	5
550	X-ray structurally characterized Mo (VI), Fe (III) and Cu (II) complexes of amide-imine conjugate: (bio)catalytic and histidine recognition studies. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5823.	1.7	5
551	A turn-on fluorescent probe for real-time detection of endogenous cysteine in living cells. <i>Journal of Luminescence</i> , 2020, 226, 117506.	1.5	21
552	A lysosome-targeted near-infrared fluorescent probe for imaging endogenous cysteine (Cys) in living cells. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2269-2274.	2.9	60
553	Sulfonation of 3,3'-di(4-formyl)-BINOL for Enantioselective Fluorescent Recognition of Amino Acids in Water. <i>Chemistry - A European Journal</i> , 2020, 26, 7258-7262.	1.7	9
554	pH-stimulus response dye-cucurbituril sensor for amino acids in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118076.	2.0	12
555	Tetrahydro[5]helicene fused nitrobenzoxadiazole as a fluorescence probe for hydrogen sulfide, cysteine/homocysteine and glutathione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 118003.	2.0	25
556	Pattern recognition of amino acids based on highly fluorescent SDS modified pyridyl thiazole derivative. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127840.	4.0	9
557	The theory of cysteine two-photon fluorescence probes of coumarinocoumarin derivatives and kinetics of ICT and PET mechanisms of probe molecules. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 397, 112525.	2.0	11
558	A ratiometric and far-red fluorescence "off-on" sensor for sequential determination of copper(II) and L-histidine based on FRET system between N-acetyl-L-cysteine-capped AuNCs and N,S,P co-doped carbon dots. <i>Mikrochimica Acta</i> , 2020, 187, 299.	2.5	19
559	Mechanistic Study on a BINOL-Coumarin-Based Probe for Enantioselective Fluorescent Recognition of Amino Acids. <i>Journal of Organic Chemistry</i> , 2020, 85, 6352-6358.	1.7	16
560	Chiral coordination polymers based on a new d-ribose derivative ligand: Syntheses, structures and probe functions. <i>Inorganica Chimica Acta</i> , 2021, 514, 120011.	1.2	4
561	Discovery of a size-record breaking green-emissive fluorophore: small, smaller, HINA. <i>Chemical Science</i> , 2021, 12, 1392-1397.	3.7	9

#	ARTICLE	IF	CITATIONS
562	A novel full symmetric diarylethene-based ratiometric fluorescent sensor for lysine and the application for a logic circuit. <i>Luminescence</i> , 2021, 36, 691-697.	1.5	10
563	Determining the concentration and enantiomeric composition of histidine using one fluorescent probe. <i>Chemical Communications</i> , 2021, 57, 587-590.	2.2	10
564	A rapid and sensitive method for chiroptical sensing of \pm -amino acids via click-like labeling with <i>o</i> -phthalaldehyde and <i>p</i> -toluenethiol. <i>Chemical Science</i> , 2021, 12, 2504-2508.	3.7	12
565	Phenanthridine-Based Donor/Acceptor Fluorescent Dyes: Synthesis, Photophysical Properties and Fluorometric Sensing of Biogenic Primary Amines. <i>ChemistrySelect</i> , 2021, 6, 858-864.	0.7	12
566	Urea/Thiourea Based Optical Sensors for Toxic Analytes: A Convenient Path for Detection of First Nerve Agent (Tabun). <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 309-326.	2.0	17
567	Using a 3-hydroxyflavone derivative as a fluorescent probe for the indirect determination of amino thiols separated by ion-pair HPLC. <i>Analytical Methods</i> , 2021, 13, 2915-2925.	1.3	3
568	Simple Turn-On Fluorescent Sensor for Discriminating Cys/Hcy and GSH from Different Fluorescent Signals. <i>Analytical Chemistry</i> , 2021, 93, 2244-2253.	3.2	59
569	Chiral recognition of amino-acid esters by a glucose-derived macrocyclic receptor. <i>Chemical Communications</i> , 2021, 57, 3476-3479.	2.2	9
570	BODIPY-Hg ²⁺ Complex: A Fluorescence Turn-ON Sensor for Cysteine Detection. <i>Analytical Sciences</i> , 2021, 37, 283-292.	0.8	4
571	Recent progresses and remaining challenges for the detection of Zika virus. <i>Medicinal Research Reviews</i> , 2021, 41, 2039-2108.	5.0	16
572	Development of a tripeptide based arginine sensor via applying the concept of molecular engineering. <i>Colloids and Interface Science Communications</i> , 2021, 41, 100364.	2.0	2
573	Optical Anion Receptors with Urea/Thiourea Subunits on a TentaGel Support. <i>ACS Omega</i> , 2021, 6, 9381-9390.	1.6	10
575	Benzothiazole Encapped Silane and Its Nano Composites for Sequential Detection of Copper Ions and Cysteine in Aqueous Solution. <i>ChemistrySelect</i> , 2021, 6, 2281-2287.	0.7	3
576	Supramolecular Coordination Complexes as Optical Biosensors. <i>ChemPlusChem</i> , 2021, 86, 418-433.	1.3	36
577	Homochiral MOF as Chiroptical Sensor for Determination of Absolute Configuration and Enantiomeric Ratio of Chiral Tryptophan. <i>Advanced Optical Materials</i> , 2021, 9, 2001889.	3.6	30
578	Highly chemoselective and enantioselective recognition of serine by a fluorescent probe. <i>Tetrahedron Letters</i> , 2021, 66, 152803.	0.7	3
579	A pH-dependent fluorescent and colouring macrocycle for the high selective detection of arginine in pure water. <i>Dyes and Pigments</i> , 2021, 188, 109203.	2.0	13
580	Amino Acid Detection with Bare Eyes Based on Two Different Concentrations of Iodides as Sensor Receptors. <i>Food Analytical Methods</i> , 2021, 14, 1927-1935.	1.3	3

#	ARTICLE	IF	CITATIONS
599	Anthracene-Based Triazolyl Triethoxysilanes as Selective and Colorimetric Sensor for Cysteine: Rationalization towards Stability Factors, Therapeutics Evaluation and Molecular Docking. <i>ChemistrySelect</i> , 2021, 6, 8899-8911.	0.7	3
600	Chiral metal-organic frameworks based on asymmetric synthetic strategies and applications. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214083.	9.5	65
601	N-Glycoconjugates: Selective colorimetric chemosensors for aspartic acid and cysteine. <i>Journal of Molecular Structure</i> , 2021, 1241, 130644.	1.8	3
602	A multi-functional chemosensor for dual channel detection of Arg and colorimetric recognition of Cu ²⁺ . <i>Dyes and Pigments</i> , 2021, 195, 109752.	2.0	9
603	A long-wavelength fluorescent probe with a large Stokes shift for lysosome-targeted imaging of Cys and GSH. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120055.	2.0	19
604	A sensitive fluorescence return on-nanosensor for glutathione detection based on Ce-MOF and gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120362.	2.0	27
605	Chiral Poly(ionic liquid) with Nonconjugated Backbone as a Fluorescent Enantioselective Sensor for Phenylalaninol and Tryptophan. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23362-23368.	4.0	42
606	Enantioselective Voltammetric Sensors on the Basis of Chiral Materials. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1514-1526.	0.4	17
607	Rhodamine Based Fluorescent Chemosensors for Hg ²⁺ and its Biological Application. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 2359-2364.	1.0	14
608	Gold nanoparticles <i>in situ</i> generated on carbon dots grafted paper: application in enantioselective fluorescence sensing of <i>D</i> -alanine. <i>New Journal of Chemistry</i> , 2021, 45, 20419-20425.	1.4	3
609	Intermolecular Charge Transfer Luminescence by Self-Assembly of Pyridinium Luminophores in Solutions. <i>ChemistryOpen</i> , 2021, 10, 1081-1086.	0.9	1
610	Fluorescence Quenching Induced by Sequential Addition-Aromatization of A BODIPY-Containing Dienylimine with Thiols. <i>Heterocycles</i> , 2017, 94, 750.	0.4	0
611	Synthesis of a Flavone Based Fluorescent Probe Bearing a Nitroolefin Moiety for Selective Detection of Cysteine. <i>Maçşallatî ÇŞAmîËzatî Al-Sulá'ân QÄbÄ«s Li-l-buá,ÿÄ«á¹ Al-Ëzilmiyyatî Al-ËzulÄ«m Wa-al-handasatî</i> , 2018, 23, 85.	0.1	0
612	Synthetic approaches for BF ₂ -containing adducts of outstanding biological potential. A review. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103528.	2.3	11
613	Molecular Recognition of Zwitterions with Artificial Receptors. <i>Chemistry - an Asian Journal</i> , 2020, 15, 986-994.	1.7	6
614	Patented AIE materials for biomedical applications. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 185, 199-223.	0.9	2
615	A single carbazole based chemosensor for multiple targets: Sensing of Fe ³⁺ and arginine by fluorimetry and its applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113693.	2.0	15
616	Simultaneous identification and quantification of amino acids in biofluids by reactive ¹⁹ F-tags. <i>Chemical Communications</i> , 2021, 57, 13154-13157.	2.2	7

#	ARTICLE	IF	CITATIONS
617	Encapsulation of L-valine, D-leucine and D-methionine by cucurbit[8]uril. <i>CrystEngComm</i> , 2022, 24, 1035-1040.	1.3	4
618	Calix[4]pyrrole based scrupulous probe for track on of tryptophan: Host-guest interaction, in silico modeling and molecular docking insights. <i>Chemical Physics</i> , 2022, 554, 111426.	0.9	9
619	Reaction-based fluorescence probes for return sensing fluoride ions. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1191-1195.	1.5	4
620	Visible-light and near-infrared fluorescence and surface-enhanced Raman scattering point-of-care sensing and bio-imaging: a review. <i>Chemical Society Reviews</i> , 2022, 51, 329-375.	18.7	104
621	Rational design of a self-assembled surfactant film in nanopipettes: combined fluorescence and electrochemical sensing. <i>Chemical Communications</i> , 2022, 58, 2140-2143.	2.2	3
622	A coumarin-based fluorescent probe with 4-phenylselenium as the active site for multi-channel discrimination of biothiols. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1272-1280.	2.9	12
623	Molecular Probes, Chemosensors, and Nanosensors for Optical Detection of Biorelevant Molecules and Ions in Aqueous Media and Biofluids. <i>Chemical Reviews</i> , 2022, 122, 3459-3636.	23.0	171
624	Rapid chiral assay of amino compounds using diethyl squarate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 120871.	2.0	0
625	Green synthesis of fluorescent carbon dots from canon ball fruit for sensitive detection of Fe ³⁺ and catalytic reduction of textile dyes. <i>Dyes and Pigments</i> , 2022, 199, 110101.	2.0	11
626	A Specific Discriminating Gsh from Cys/Hcy Fluorescence Nanosensor: The Carbon Dots-MnO ₂ Nanocomposites. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
627	Selective chiroptical sensing of D-cysteine. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3056-3060.	1.5	1
628	Detection and screening of basic amino acids using the luminescence switching of a WS ₂ /Ag ₂ O nanoparticle composite. <i>Sensors & Diagnostics</i> , 2022, 1, 485-495.	1.9	3
629	A Multifunctional Luminescence Metal-Organic Framework Sensor for the Neuropathy Biomarker Glutamic Acid. <i>Chemistry Letters</i> , 2022, 51, 201-204.	0.7	2
630	Fully united, easy, and economical sensor array for newborn babies' amino acids monitoring: Identification of amino acids in healthy and unhealthy with PKU newborn babies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 213, 114683.	1.4	0
631	pH-Dependent Selective Colorimetric Detection of Proline and Hydroxyproline with Meldrum's Acid-Furfural Conjugate. <i>Chemosensors</i> , 2021, 9, 343.	1.8	4
632	A 3-(2-nitro vinyl)-4-phenylselenyl coumarin as a fluorescent probe for distinguishing detection of Cys/Hcy and GSH. <i>Dyes and Pigments</i> , 2022, 203, 110312.	2.0	13
633	A chemoselective fluorescent probe for arginine in aqueous phase. <i>Dyes and Pigments</i> , 2022, 203, 110339.	2.0	7
634	Simultaneous analysis of amino acids based on discriminative ¹⁹ F NMR spectroscopy. <i>Bioorganic Chemistry</i> , 2022, 124, 105818.	2.0	3

#	ARTICLE	IF	CITATIONS
635	Amino acid functionalized benzanthrone dyes: Synthesis and photophysical study. <i>Dyes and Pigments</i> , 2022, 204, 110363.	2.0	2
636	Printed 384-Well Microtiter Plate on Paper for Fluorescent Chemosensor Arrays in Food Analysis. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	7
637	A specific discriminating GSH from Cys/Hcy fluorescence nanosensor: The carbon dots-MnO ₂ nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132135.	4.0	9
638	A dual-channel chemosensor based on 2-hydroxy-5-methyl-1,3-benzenedialdehyde for fluorescence detection and colorimetric recognition of glutamic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114053.	2.0	38
639	Chemoselective and enantioselective fluorescent identification of specific amino acid enantiomers. <i>Chemical Communications</i> , 2022, 58, 8038-8048.	2.2	18
640	A new 7-(diethylamino)coumarin and 4-(diethylamino)phenol appended unsymmetrical thiocarbohydrazone: Detection of moisture in organic solvent and sequential fluorimetric detection of Cu ²⁺ ions and cysteine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 432, 114105.	2.0	7
641	The chiral pyridoxal-catalyzed biomimetic Mannich reaction: the mechanism and origin of stereoselectivity. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	6
642	Carbon Quantum Dots from Pomelo Peel as Fluorescence Probes for "Turn-Off" High-Sensitivity Detection of Fe ³⁺ and L-Cysteine. <i>Molecules</i> , 2022, 27, 4099.	1.7	14
643	Tuning the selectivity of amino acid recognition with dynamic covalent bond constrained fluorophores in aqueous media. <i>Organic and Biomolecular Chemistry</i> , 0, , .	1.5	3
644	A Simple but Effective Fluorescent Probe for the Detection of 4-Methylthiophenol. <i>Journal of Fluorescence</i> , 2022, 32, 2151-2157.	1.3	1
645	Water-Soluble Single-Benzene Chromophores: Excited State Dynamics and Fluorescence Detection. <i>Molecules</i> , 2022, 27, 5522.	1.7	3
646	Efficient Sensing of Selected Amino Acids as Biomarker by Green Phosphorene Monolayers: Smart Diagnosis of Viruses. <i>Advanced Theory and Simulations</i> , 2022, 5, .	1.3	6
647	Fabrication of nitrogen-doped graphene quantum dots based fluorescent probe and its application for simultaneous, sensitive and selective detection of umami amino acids. <i>Food Chemistry</i> , 2023, 404, 134509.	4.2	10
648	Selective colorimetric recognition of cysteine/Fe ³⁺ ions using chalcone derived titanium nanocomposites in aqueous solution and human blood. <i>Inorganica Chimica Acta</i> , 2023, 545, 121232.	1.2	0
649	Host-guest inclusion complexes formed between a symmetrical tetrasubstituted cucurbit[6]uril and glycine. <i>CrystEngComm</i> , 2022, 24, 8321-8325.	1.3	1
650	New Azido Coumarins as Potential Agents for Fluorescent Labeling and Their "Click" Chemistry Reactions for the Conjugation with closo-Dodecaborate Anion. <i>Molecules</i> , 2022, 27, 8575.	1.7	3
651	Positional Isomeric Symmetric Dipodal Receptors Dangled with Rotatable Binding Scaffolds: Fluorescent Sensing of Silver Ions and Sequential Detection of L-Histidine and Their Multifarious Applications. <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 802-814.	2.4	4
652	The Eschenmoser's Salt as a Formylation Agent for the Synthesis of Indolizinecarbaldehydes and Their Use for Colorimetric Nitrite Detection. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	9

#	ARTICLE	IF	CITATIONS
653	The Eschenmoser's Salt as a Formylation Agent for the Synthesis of Indolizinecarbaldehydes and Their Use for Colorimetric Nitrite Detection. <i>Angewandte Chemie</i> , 0, , .	1.6	0
654	Unraveling the Efficiency of Thioxanthone Based Triplet Sensitizers: A Detailed Theoretical Study. <i>ChemPhysChem</i> , 2023, 24, .	1.0	3
655	Fluorous Phase-Enhanced Fluorescent Sensitivity for Enantioselective Recognition of Lysine. <i>Organic Letters</i> , 2022, 24, 9327-9331.	2.4	4
656	Fluorescent AND logic gates for simultaneous detection of thiols and protons: photophysical properties, mechanism and bioimaging of living cells. <i>Analytical Methods</i> , 2023, 15, 818-828.	1.3	0
657	Research progress of auxiliary groups in improving the performance of fluorescent probes. <i>Chemical Communications</i> , 2023, 59, 2199-2207.	2.2	3
658	A Cys-regulated two-photon lysosomal targetable fluorescent probe and its application for the diagnosis of kidney diseases. <i>Journal of Luminescence</i> , 2023, 257, 119745.	1.5	6
659	Sensing of amino acids: Critical role of nanomaterials for the efficient biomedical analysis. <i>Microchemical Journal</i> , 2023, 188, 108452.	2.3	4
660	Synthesis of novel coordination polymer Cd-MOF and fluorescence recognition of tryptophan. <i>Journal of Molecular Structure</i> , 2023, 1284, 135389.	1.8	7
661	Rhodamine spirolactam based photoswitchable chemodosimeter for nitric oxide detection and their live cell imaging utility. <i>Dyes and Pigments</i> , 2023, 215, 111284.	2.0	3
662	Colorimetric and fluorometric ammonia sensor based on protonated bipyridyl-containing polydiacetylene. <i>Dyes and Pigments</i> , 2023, 215, 111254.	2.0	4
663	Acrylate-guided chemoselective fluorescent detection of arginine and lysine in aqueous media. <i>Dyes and Pigments</i> , 2023, 215, 111288.	2.0	4
664	Discriminative Turn-on™ Detection of Al ³⁺ and Ga ³⁺ Ions as Well as Aspartic Acid by Two Fluorescent Chemosensors. <i>Sensors</i> , 2023, 23, 1798.	2.1	4
665	Ultrasensitive and On-Site Detection of Carbaryl Pesticides via Dual-Mode Nanosensors Utilizing Portable Devices. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 4998-5006.	3.2	5
666	Cell-free protein synthesis system for bioanalysis: Advances in methods and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 161, 117015.	5.8	1
667	Noncovalent induced circular dichroism sensors based on a chiral metal-organic framework: chiral induction synthesis, quantitative enantioselective sensing and noncovalent sensing mechanism. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 2818-2828.	3.0	3
669	Organelle-targeting ratiometric fluorescent probes: design principles, detection mechanisms, bio-applications, and challenges. <i>Chemical Science</i> , 2023, 14, 5842-5871.	3.7	18
670	Colorimetric and fluorescence. , 2023, , 299-332.		0
671	Electrochemical biosensors for biomolecules. , 2023, , 275-291.		0

#	ARTICLE	IF	CITATIONS
682	An Introductory Overview on Applications of Pyrazoles as Transition Metal Chemosensors. Journal of Fluorescence, 0, , .	1.3	0
685	Applications of Carbon Dots in Drugs, Antibiotics and Toxin Sensing. , 2023, , 210-257.		0