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Two dansyl fluorophores bearing amino acid for monitoring Hg²⁺ in aqueous solution and live cells

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#	Paper	IF	Citations
41	Selective and sensitive ratiometric detection of Hg(II) ions using a simple amino acid based sensor. <i>Organic Letters</i> , 2011 , 13, 5028-31	6.2	154
40	A water-soluble 1,8-naphthalimide-based 'turn on' fluorescent chemosensor for selective and sensitive recognition of mercury ion in water. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 5141-49	2.9	36
39	Highly sensitive ratiometric fluorescent chemosensor for silver ion and silver nanoparticles in aqueous solution. <i>Organic Letters</i> , 2012 , 14, 4746-9	6.2	92
38	Metal complexes of amino acids and peptides. <i>Amino Acids, Peptides and Proteins</i> , 2012 , 66-118	2.7	4
37	Selective and sensitive ratiometric detection of Hg ²⁺ in 100% aqueous solution with triazole-based dansyl probe. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4003		101
36	Novel thieno-imidazole based probe for colorimetric detection of Hg ²⁺ and fluorescence turn-on response of Zn ²⁺ . <i>Organic Letters</i> , 2012 , 14, 2564-7	6.2	88
35	Selectively and sensitively monitoring Hg ²⁺ in aqueous buffer solutions with fluorescent sensors based on unnatural amino acids. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 1088-1096	8.5	48
34	A new colorimetric and fluorescent ratiometric sensor for Hg ²⁺ based on 4-pyren-1-yl-pyrimidine. <i>Tetrahedron</i> , 2012 , 68, 3129-3134	2.4	69
33	Anthroneamine based chromofluorogenic probes for Hg ²⁺ detection in aqueous solution. <i>Tetrahedron Letters</i> , 2012 , 53, 2030-2034	2	19
32	Turn-on fluorescent chemosensor based on an amino acid for Pb(II) and Hg(II) ions in aqueous solutions and role of tryptophan for sensing. <i>Organic Letters</i> , 2013 , 15, 254-7	6.2	161
31	Selective and sensitive turn on detection of Hg ²⁺ in aqueous solution using a thioether-appended dipeptide. <i>Tetrahedron Letters</i> , 2013 , 54, 5007-5010	2	19
30	A ratiometric fluorescent detection of Zn(II) in aqueous solutions using pyrene-appended histidine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 6811-5	2.9	11
29	A dual role of phenylboronic acid as a receptor for carbohydrates as well as a quencher for neighboring pyrene fluorophore. <i>Tetrahedron</i> , 2013 , 69, 11057-11063	2.4	17
28	Self-assembled dendron nanotubes with a surface peptide-fluorophore conjugate as a sensory vehicle. <i>New Journal of Chemistry</i> , 2013 , 37, 3598	3.6	6
27	A new peptidyl fluorescent chemosensors for the selective detection of mercury ions based on tetrapeptide. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 7964-70	3.4	20
26	Highly selective and sensitive colourimetric detection of Hg ²⁺ ions by unsymmetrical squaraine dyes. <i>Dyes and Pigments</i> , 2013 , 96, 714-721	4.6	32
25	4-(8-Quinolyl)amino-7-nitro-2,1,3-benzoxadiazole as a new colorimetric probe for rapid and visual detection of Hg ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 105, 29-33	4.4	15

24	Fluorescent amino acids: modular building blocks for the assembly of new tools for chemical biology. <i>ChemBioChem</i> , 2013 , 14, 788-99	3.8	68
23	Ratiometric fluorescence detection of Hg(II) in aqueous solutions at physiological pH and live cells with a chemosensor based on tyrosine. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 421-428	8.5	34
22	A homochiral luminescent compound with four-fold symmetry as a potential chemosensor for nitroanilines. <i>RSC Advances</i> , 2014 , 4, 47249-47253	3.7	9
21	Selective and sensitive fluorescence-shift probes based on two dansyl groups for mercury(II) ion detection. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 1521-8	4.2	15
20	Ratiometric fluorescence chemosensor based on tyrosine derivatives for monitoring mercury ions in aqueous solutions. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 7100-9	3.9	18
19	Recyclable sensitive fluorimetric detection of specific metal ions using a functionalized PEG-PS resin with a fluorescent peptide sensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 122-129	8.5	11
18	Highly selective colorimetric and fluorescent detection for Hg ²⁺ in aqueous solutions using a dipeptide-based chemosensor. <i>RSC Advances</i> , 2015 , 5, 56356-56361	3.7	16
17	Fluorescent and colorimetric sensors for environmental mercury detection. <i>Analyst, The</i> , 2015 , 140, 5400-43	249	
16	A set of robust fluorescent peptide probes for quantification of Cu(II) binding affinities in the micromolar to femtomolar range. <i>Metallomics</i> , 2015 , 7, 567-78	4.5	15
15	Optical sensor: a promising strategy for environmental and biomedical monitoring of ionic species. <i>RSC Advances</i> , 2015 , 5, 72150-72287	3.7	147
14	N-(3-Imidazolyl)propyl dansylamide as a selective Hg(2+) sensor in aqueous media through electron transfer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 148, 250-4	4.4	17
13	Highly sensitive colorimetric detection of Hg(II) and Cu(II) in aqueous solutions: from amino acids toward solid platforms. <i>Analyst, The</i> , 2015 , 140, 744-9	5	22
12	Highly Hg ²⁺ -sensitive and selective fluorescent sensors in aqueous solution and sensors-encapsulated polymeric membrane. <i>RSC Advances</i> , 2016 , 6, 10401-10411	3.7	26
11	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	8.5	17
10	A simple cost effective carbazole-thiobarbituric acid conjugate as a ratiometric fluorescent probe for detection of mercury(II) ions in aqueous medium. <i>New Journal of Chemistry</i> , 2017 , 41, 5176-5181	3.6	20
9	Photochromic RAFT reagent helps construct superior photoswitchable fluorescent polymer nanoparticles for rewritable fluorescence patterning and intracellular dual-color imaging. <i>Polymer Chemistry</i> , 2017 , 8, 6520-6526	4.9	8
8	A novel fluorescent chemosensor for detection of mercury(II) ions based on dansyl-peptide and its application in real water samples and living LNcap cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 226, 117616	4.4	11
7	Highly sensitive turn-on detection of mercury(II) in aqueous solutions and live cells with a chemosensor based on tyrosine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 230, 118004	4.4	11

6	Fast and sensitive fluorescent detection of inorganic mercury species and methylmercury using a fluorescent probe based on the displacement reaction of arylboronic acid with the mercury species. <i>Chemical Communications</i> , 2020 , 56, 2941-2944	5.8	15
5	A review on recent advances in amino acid and peptide-based fluorescence and its potential applications. <i>New Journal of Chemistry</i> , 2021 , 45, 15180-15194	3.6	2
4	Ratiometric fluorescent detection of Hg(II) by amino-acid based fluorescent chemodosimeter using irreversible reaction of phenylboronic acid with mercury species. <i>Dyes and Pigments</i> , 2021 , 191, 109374	4.6	7
3	A rapid on-off-on peptide-based fluorescent probe for selective and consecutive detection of mercury and sulfide ions in aqueous systems and live cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 417, 113354	4.7	1
2	A novel peptide-based fluorescent probe for highly selective detection of mercury (II) ions in real water samples and living cells based on aggregation-induced emission effect.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 ,	4.4	0
1	Organic Molecules Containing N, S and O Heteroatoms as Sensors for the Detection of Hg(II) Ion; Coordination and Efficiency toward Detection. 1-22		4