

# Hyunjun Kim

## List of Publications by Year in descending order

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296  
papers

11,429  
citations

25014

57  
h-index

49868

87  
g-index

298  
all docs

298  
docs citations

298  
times ranked

6725  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salicylimine-Based Fluorescent Chemosensor for Aluminum Ions and Application to Bioimaging. <i>Inorganic Chemistry</i> , 2012, 51, 3597-3602.	1.9	335
2	Stereospecific Alkane Hydroxylation with H <sub>2</sub> O <sub>2</sub> Catalyzed by an Iron(II)-Tris(2-pyridylmethyl)amine Complex. <i>Journal of the American Chemical Society</i> , 1997, 119, 5964-5965.	6.6	310
3	A single schiff base molecule for recognizing multiple metal ions: A fluorescence sensor for Zn(II) and Al(III) and colorimetric sensor for Fe(II) and Fe(III). <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 343-352.	4.0	271
4	A cap-type Schiff base acting as a fluorescence sensor for zinc(ii) and a colorimetric sensor for iron(ii), copper(ii), and zinc(ii) in aqueous media. <i>Dalton Transactions</i> , 2013, 42, 16569.	1.6	251
5	New Insights into the Mechanisms of O-O Bond Cleavage of Hydrogen Peroxide and tert-Alkyl Hydroperoxides by Iron(III) Porphyrin Complexes. <i>Journal of the American Chemical Society</i> , 2000, 122, 8677-8684.	6.6	233
6	A selective colorimetric and fluorescent chemosensor based-on naphthol for detection of Al <sup>3+</sup> and Cu <sup>2+</sup> . <i>Dyes and Pigments</i> , 2013, 99, 6-13.	2.0	217
7	A new multifunctional Schiff base as a fluorescence sensor for Al <sup>3+</sup> and a colorimetric sensor for CN <sup>-</sup> in aqueous media: an application to bioimaging. <i>Dalton Transactions</i> , 2014, 43, 6650-6659.	1.6	203
8	High-yield epoxidations with hydrogen peroxide and tert-butyl hydroperoxide catalyzed by iron(III) porphyrins: heterolytic cleavage of hydroperoxides. <i>Journal of the American Chemical Society</i> , 1993, 115, 2775-2781.	6.6	181
9	A colorimetric and fluorescent sensor for sequential detection of Copper ion and cyanide. <i>Tetrahedron</i> , 2014, 70, 2822-2828.	1.0	159
10	Fluorescent chemosensor based-on naphthol-quinoline for selective detection of aluminum ions. <i>Tetrahedron Letters</i> , 2011, 52, 5581-5584.	0.7	157
11	Evidence for the Participation of Two Distinct Reactive Intermediates in Iron(III) Porphyrin Complex-Catalyzed Epoxidation Reactions. <i>Journal of the American Chemical Society</i> , 2000, 122, 6641-6647.	6.6	150
12	A naked-eye chemosensor for simultaneous detection of iron and copper ions and its copper complex for colorimetric/fluorescent sensing of cyanide. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 257-271.	4.0	141
13	A colorimetric sensor for the sequential detection of Cu <sup>2+</sup> and CN <sup>-</sup> in fully aqueous media: practical performance of Cu <sup>2+</sup> . <i>Dalton Transactions</i> , 2015, 44, 9120-9129.	1.6	138
14	A single molecule that acts as a fluorescence sensor for zinc and cadmium and a colorimetric sensor for cobalt. <i>Dalton Transactions</i> , 2013, 42, 15514.	1.6	133
15	Janus-faced Sestrin2 controls ROS and mTOR signalling through two separate functional domains. <i>Nature Communications</i> , 2015, 6, 10025.	5.8	122
16	Fluorescent dye containing phenol-pyridyl for selective detection of aluminum ions. <i>Dyes and Pigments</i> , 2013, 96, 590-594.	2.0	111
17	A colorimetric "naked-eye"-Cu(II) chemosensor and pH indicator in 100% aqueous solution. <i>Dalton Transactions</i> , 2014, 43, 5652-5656.	1.6	109
18	Urea/thiourea-based colorimetric chemosensors for the biologically important ions: efficient and simple sensors. <i>Tetrahedron</i> , 2006, 62, 9635-9640.	1.0	107

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19	Participation of Two Distinct Hydroxylating Intermediates in Iron(III) Porphyrin Complex-Catalyzed Hydroxylation of Alkanes. <i>Journal of the American Chemical Society</i> , 2000, 122, 10805-10809.	6.6	104
20	Colorimetric detection of Fe <sup>3+</sup> and Fe <sup>2+</sup> and sequential fluorescent detection of Al <sup>3+</sup> and pyrophosphate by an imidazole-based chemosensor in a near-perfect aqueous solution. <i>Dyes and Pigments</i> , 2017, 139, 136-147.	2.0	99
21	A single fluorescent chemosensor for multiple target ions: Recognition of Zn <sup>2+</sup> in 100% aqueous solution and F <sup>-</sup> in organic solvent. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 36-43.	4.0	96
22	A colorimetric chemosensor for the sequential detection of copper(II) and cysteine. <i>Dyes and Pigments</i> , 2015, 116, 131-138.	2.0	96
23	An anthracene-based fluorescent sensor for sequential detection of zinc and copper ions. <i>Inorganic Chemistry Communication</i> , 2014, 39, 61-65.	1.8	93
24	Dual-channel detection of Cu <sup>2+</sup> and F <sup>-</sup> with a simple Schiff-based colorimetric and fluorescent sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1649-1657.	2.0	93
25	A diaminomaleonitrile based selective colorimetric chemosensor for copper(II) and fluoride ions. <i>New Journal of Chemistry</i> , 2015, 39, 2580-2587.	1.4	87
26	A multifunctional colorimetric chemosensor for cyanide and copper(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 498-506.	4.0	86
27	Solvent-dependent selective fluorescence assay of aluminum and gallium ions using julolidine-based probe. <i>Dyes and Pigments</i> , 2013, 99, 1016-1021.	2.0	84
28	Zinc sensors with lower binding affinities for cellular imaging. <i>Dalton Transactions</i> , 2013, 42, 5500.	1.6	84
29	Synthesis, structure and heterogeneous catalytic activity of a coordination polymer containing tetranuclear Cu(II)-btp units connected by nitrates. <i>Dalton Transactions</i> , 2003, , 1454-1456.	1.6	74
30	A single colorimetric sensor for multiple target ions: the simultaneous detection of Fe <sup>2+</sup> and Cu <sup>2+</sup> in aqueous media. <i>RSC Advances</i> , 2014, 4, 22463-22469.	1.7	74
31	Biomimetic Hydrocarbon Oxidation Catalyzed by Nonheme Iron(III) Complexes with Peracids: Evidence for an Fe <sup>V</sup> ≡O Species. <i>Chemistry - A European Journal</i> , 2007, 13, 9393-9398.	1.7	72
32	A phthalazine-based two-in-one chromogenic receptor for detecting Co <sup>2+</sup> and Cu <sup>2+</sup> in an aqueous environment. <i>Dalton Transactions</i> , 2015, 44, 13305-13314.	1.6	72
33	Turn-on selective fluorescent probe for trivalent cations. <i>Inorganic Chemistry Communication</i> , 2013, 36, 72-76.	1.8	69
34	A colorimetric chemosensor based on a Schiff base for highly selective sensing of cyanide in aqueous solution: the influence of solvents. <i>New Journal of Chemistry</i> , 2014, 38, 5769-5776.	1.4	69
35	A multifunctional sensor: Chromogenic sensing for Mn <sup>2+</sup> and fluorescent sensing for Zn <sup>2+</sup> and Al <sup>3+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 535-544.	4.0	69
36	Zinc selective chemosensor based on pyridyl-amide fluorescence. <i>Tetrahedron</i> , 2011, 67, 8073-8078.	1.0	68

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37	A colorimetric organic chemo-sensor for Co <sup>2+</sup> in a fully aqueous environment. Dalton Transactions, 2014, 43, 6618-6622.	1.6	68
38	A dual chemosensor for Zn <sup>2+</sup> and Co <sup>2+</sup> in aqueous media and living cells: Experimental and theoretical studies. Sensors and Actuators B: Chemical, 2016, 223, 509-519.	4.0	68
39	Metal-directed supramolecular assembly of metal(II) benzoates (M=Co, Ni, Cu, Zn, Mn, and Cd) with 4,4'-bipyridine: Effects of metal coordination modes and novel catalytic activities. Polyhedron, 2009, 28, 1241-1252.	1.0	67
40	A single chemosensor for multiple target anions: The simultaneous detection of CN <sup>-</sup> and OAc <sup>-</sup> in aqueous media. Sensors and Actuators B: Chemical, 2014, 202, 645-655.	4.0	67
41	MCPBA Epoxidation of Alkenes: A Reinvestigation of Correlation between Rate and Ionization Potential. Journal of the American Chemical Society, 1998, 120, 9513-9516.	6.6	66
42	A highly sensitive benzimidazole-based chemosensor for the colorimetric detection of Fe(II) and Fe(III) and the fluorometric detection of Zn(II) in aqueous media. RSC Advances, 2016, 6, 61505-61515.	1.7	66
43	A novel selective colorimetric chemosensor for cobalt ions in a near perfect aqueous solution. Sensors and Actuators B: Chemical, 2016, 223, 234-240.	4.0	66
44	Controlled growth of narrowly dispersed nanosize hexagonal MOF rods from Mn(III)-porphyrin and In(NO <sub>3</sub> ) <sub>3</sub> and their application in olefin oxidation. Chemical Communications, 2012, 48, 5512.	2.2	65
45	A highly selective turn-on chemosensor capable of monitoring Zn <sup>2+</sup> concentrations in living cells and aqueous solution. Sensors and Actuators B: Chemical, 2015, 215, 568-576.	4.0	65
46	Chelate-type Schiff base acting as a colorimetric sensor for iron in aqueous solution. Sensors and Actuators B: Chemical, 2015, 215, 188-195.	4.0	65
47	A fluorescent and colorimetric chemosensor for selective detection of aluminum in aqueous solution. Tetrahedron Letters, 2014, 55, 1347-1352.	0.7	64
48	Colorimetric Detection of Cu <sup>2+</sup> and Fluorescent Detection of PO <sub>4</sub> <sup>3-</sup> and S <sup>2-</sup> by a Multifunctional Chemosensor. Industrial & Engineering Chemistry Research, 2017, 56, 8399-8407.	1.8	64
49	Synthesis, structure and heterogeneous catalytic activities of Cu-containing polymeric compounds: anion effect and comparison of homogeneous vs. heterogeneous catalytic activity Electronic supplementary information (ESI) available: XRD pattern before and after the catalysis of compounds 2 and 3. See <a href="http://www.rsc.org/suppdata/dt/b4/b406877g1">http://www.rsc.org/suppdata/dt/b4/b406877g1</a> . Dalton Transactions, 2004, 2697.	1.6	63
50	An anthracene-based fluorescent chemosensor for Zn <sup>2+</sup> . Tetrahedron Letters, 2013, 54, 2415-2418.	0.7	63
51	A novel colorimetric chemosensor for the sequential detection of Ni <sup>2+</sup> and CN <sup>-</sup> in aqueous solution. Sensors and Actuators B: Chemical, 2017, 242, 25-34.	4.0	63
52	A dual sensor selective for Hg <sup>2+</sup> and cysteine detection. Sensors and Actuators B: Chemical, 2018, 255, 2756-2763.	4.0	63
53	Specific naked eye sensing of cyanide by chromogenic host: studies on the effect of solvents. Tetrahedron Letters, 2013, 54, 1015-1019.	0.7	62
54	Multiple target chemosensor: a fluorescent sensor for Zn(II) and Al(III) and a chromogenic sensor for Fe(II) and Fe(III). RSC Advances, 2015, 5, 11229-11239.	1.7	60

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55	Biomimetic alcohol oxidations by an iron(III) porphyrin complex: relevance to cytochrome P-450 catalytic oxidation and involvement of the two-state radical rebound mechanism. <i>Dalton Transactions</i> , 2005, , 402.	1.6	59
56	Zinc selective chemosensors based on the flexible dipicolylamine and quinoline. <i>Inorganica Chimica Acta</i> , 2013, 394, 542-551.	1.2	59
57	A highly selective CHEF-type chemosensor for monitoring Zn <sup>2+</sup> in aqueous solution and living cells. <i>RSC Advances</i> , 2015, 5, 41905-41913.	1.7	59
58	A novel "off-on" type fluorescent chemosensor for detection of Zn <sup>2+</sup> and its zinc complex for "on-off" fluorescent sensing of sulfide in aqueous solution, in vitro and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 58-69.	4.0	59
59	Controlling self-assembly of zinc(II)-benzoate coordination complexes with 1,4-bis(4-pyridyl)ethane by varying solvent and ligand-to-metal ratio: Their catalytic activities. <i>Polyhedron</i> , 2009, 28, 553-561.	1.0	58
60	Biomimetic alkane hydroxylation by cobalt(III) porphyrin complex and m-chloroperbenzoic acid. <i>Chemical Communications</i> , 2001, , 1262-1263.	2.2	57
61	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
62	Salicylimine-Based Colorimetric and Fluorescent Chemosensor for Selective Detection of Cyanide in Aqueous Buffer. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1985-1989.	1.0	56
63	A water-soluble carboxylic-functionalized chemosensor for detecting Al <sup>3+</sup> in aqueous media and living cells: Experimental and theoretical studies. <i>Biosensors and Bioelectronics</i> , 2015, 69, 226-229.	5.3	55
64	A water-soluble fluorescence chemosensor for the sequential detection of Zn <sup>2+</sup> and pyrophosphate in living cells and zebrafish. <i>Dyes and Pigments</i> , 2018, 152, 131-138.	2.0	55
65	Simultaneous detection of Cu <sup>2+</sup> and Cr <sup>3+</sup> by a simple Schiff-base colorimetric chemosensor bearing NBD (7-nitrobenzo-2-oxa-1,3-diazolyl) and julolidine moieties. <i>Tetrahedron</i> , 2016, 72, 5563-5570.	1.0	54
66	A multifunctional selective "off-on" fluorescent chemosensor for detection of Group IIIA ions Al <sup>3+</sup> , Ga <sup>3+</sup> and In <sup>3+</sup> . <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1247-1255.	1.6	53
67	Sequential colorimetric recognition of Cu <sup>2+</sup> and CN <sup>-</sup> by asymmetric coumarin-conjugated naphthol groups in aqueous solution. <i>Dyes and Pigments</i> , 2014, 109, 127-134.	2.0	52
68	A single chemosensor for multiple analytes: fluorogenic detection of Zn <sup>2+</sup> and OAc <sup>-</sup> ions in aqueous solution, and an application to bioimaging. <i>New Journal of Chemistry</i> , 2014, 38, 2587-2594.	1.4	52
69	A selective colorimetric chemosensor with an electron-withdrawing group for multi-analytes CN <sup>-</sup> and F <sup>-</sup> . <i>New Journal of Chemistry</i> , 2015, 39, 3900-3907.	1.4	51
70	A novel colorimetric chemosensor for multiple target metal ions Fe <sup>2+</sup> , Co <sup>2+</sup> , and Cu <sup>2+</sup> in a near-perfect aqueous solution: Experimental and theoretical studies. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 291-301.	4.0	51
71	Colorimetric chemosensor for multiple targets, Cu <sup>2+</sup> , CN <sup>-</sup> and S <sup>2-</sup> . <i>RSC Advances</i> , 2016, 6, 16586-16597.	1.7	50
72	A new Schiff-base chemosensor for selective detection of Cu <sup>2+</sup> and Co <sup>2+</sup> and its copper complex for colorimetric sensing of S <sup>2-</sup> in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1677-1689.	1.6	50

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73	A new coumarin-based chromogenic chemosensor for the detection of dual analytes Al <sup>3+</sup> and F <sup>-</sup> . RSC Advances, 2014, 4, 63882-63890.	1.7	49
74	A highly selective and sensitive fluorescent turn-on Al <sup>3+</sup> chemosensor in aqueous media and living cells: experimental and theoretical studies. New Journal of Chemistry, 2016, 40, 171-178.	1.4	49
75	Stereoselective alkane hydroxylations by metal salts and m-chloroperbenzoic acid. Tetrahedron Letters, 2002, 43, 5487-5490.	0.7	48
76	A colorimetric and fluorescent chemosensor for selective detection of Cr <sup>3+</sup> and Al <sup>3+</sup> . Inorganic Chemistry Communication, 2013, 33, 48-51.	1.8	48
77	A fluorescence sensor for Zn <sup>2+</sup> that also acts as a visible sensor for Co <sup>2+</sup> and Cu <sup>2+</sup> . Sensors and Actuators B: Chemical, 2015, 213, 268-275.	4.0	48
78	Detection of multiple analytes (CN <sup>-</sup> and F <sup>-</sup> ) based on a simple pyrazine-derived chemosensor in aqueous solution: Experimental and theoretical approaches. Sensors and Actuators B: Chemical, 2015, 207, 123-132.	4.0	48
79	Turn-on fluorescent chemosensor for selective detection of Zn <sup>2+</sup> in an aqueous solution: Experimental and theoretical studies. Inorganic Chemistry Communication, 2016, 63, 35-38.	1.8	48
80	A novel benzophenone-based colorimetric chemosensor for detecting Cu <sup>2+</sup> and F <sup>-</sup> . Journal of Chemical Sciences, 2019, 131, 1.	0.7	48
81	Construction of Zn <sup>II</sup> Compounds with a Chelating 2,2'-bipyridylamine (Hdpa) Ligand: Anion Effect and Catalytic Activities. European Journal of Inorganic Chemistry, 2008, 2008, 408-415.	1.0	47
82	Zn-MOFs Containing Flexible 1,3-Alkane (or Alkene)-Dicarboxylates and 1,2-Bis(4-pyridyl)ethane Ligands: CO <sub>2</sub> Sorption and Photoluminescence. Crystal Growth and Design, 2013, 13, 4815-4823.	1.4	47
83	Solvent-dependent chromogenic sensing for Cu <sup>2+</sup> and fluorogenic sensing for Zn <sup>2+</sup> and Al <sup>3+</sup> : a multifunctional chemosensor with dual-mode. Tetrahedron, 2014, 70, 7429-7438.	1.0	47
84	Selective zinc sensor based on pyrazoles and quinoline used to image cells. Dyes and Pigments, 2015, 113, 723-729.	2.0	47
85	A single colorimetric sensor for multiple targets: the sequential detection of Co <sup>2+</sup> and cyanide and the selective detection of Cu <sup>2+</sup> in aqueous solution. RSC Advances, 2017, 7, 17650-17659.	1.7	46
86	A fluorescence turn-on chemosensor for Hg <sup>2+</sup> and Ag <sup>+</sup> based on NBD (7-nitrobenzo-2-oxa-1,3-diazolyl). RSC Advances, 2017, 7, 290-299.	1.7	46
87	A novel colorimetric chemosensor for detection of Co <sup>2+</sup> and S <sup>2-</sup> in an aqueous environment. Sensors and Actuators B: Chemical, 2017, 242, 792-800.	4.0	46
88	Naked eye detection of fluoride and pyrophosphate with an anion receptor utilizing anthracene and nitrophenyl group as signaling group. Tetrahedron Letters, 2011, 52, 2759-2763.	0.7	45
89	Solvent-dependent selective fluorescence sensing of Al <sup>3+</sup> and Zn <sup>2+</sup> using a single Schiff base. Inorganic Chemistry Communication, 2014, 45, 15-19.	1.8	45
90	Thiophene and diethylaminophenol-based turn-on fluorescence chemosensor for detection of Al <sup>3+</sup> and F <sup>-</sup> in a near-perfect aqueous solution. Tetrahedron, 2017, 73, 2690-2697.	1.0	45

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91	Fluorescent determination of zinc by a quinoline-based chemosensor in aqueous media and zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 74-82.	2.0	45
92	Selective fluorescence assay of aluminum and cyanide ions using chemosensor containing naphthol. <i>RSC Advances</i> , 2014, 4, 18094-18099.	1.7	44
93	A PET-based fluorometric chemosensor for the determination of mercury(II) and pH, and hydrolysis reaction-based colorimetric detection of hydrogen sulfide. <i>Dalton Transactions</i> , 2016, 45, 5700-5712.	1.6	44
94	Monomeric, trimeric, and tetrameric transition metal complexes (Mn, Fe, Co) containing N,N-bis(2-pyridylmethyl)-2-aminoethanol-ate: preparation, crystal structure, molecular magnetism and oxidation catalysis. <i>Dalton Transactions</i> , 2011, 40, 5762.	1.6	43
95	Sequential detection of copper(II) and cyanide by a simple colorimetric chemosensor. <i>Inorganic Chemistry Communication</i> , 2016, 74, 62-65.	1.8	43
96	A simple Schiff-base fluorescence probe for the simultaneous detection of Ga <sup>3+</sup> and Zn <sup>2+</sup> . <i>Inorganica Chimica Acta</i> , 2017, 461, 127-135.	1.2	43
97	Single fluorescent chemosensor for multiple targets: sequential detection of Al <sup>3+</sup> and pyrophosphate and selective detection of F <sup>-</sup> in near-perfect aqueous solution. <i>New Journal of Chemistry</i> , 2017, 41, 15590-15600.	1.4	43
98	Anion effects on the crystal structures of ZnII complexes containing 2,2'-bipyridine: Their photoluminescence and catalytic activities. <i>Polyhedron</i> , 2011, 30, 1555-1564.	1.0	42
99	Remarkable Solvent, Porphyrin Ligand, and Substrate Effects on Participation of Multiple Active Oxidants in Manganese(III) Porphyrin Catalyzed Oxidation Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 1810-1818.	1.7	40
100	Efficient Olefin Epoxidation by Robust Re <sub>4</sub> Cluster-Supported Mn <sup>III</sup> Complexes with Peracids: Evidence of Simultaneous Operation of Multiple Active Oxidant Species, Mn <sup>V</sup> O <sub>4</sub> , Mn <sup>IV</sup> O <sub>4</sub> , and Mn <sup>III</sup> OOC(O)R. <i>Chemistry - A European Journal</i> , 2010, 16, 4678-4685.	1.7	39
101	A novel colorimetric chemosensor for multiple target ions in aqueous solution: simultaneous detection of Mn(II) and Fe(II). <i>Inorganic Chemistry Communication</i> , 2014, 46, 237-240.	1.8	39
102	A novel mononuclear Fe(III) mono(terpyridine) complex having labile solvent ligands and its catalytic activity. Electronic supplementary information (ESI) available: experimental details. See <a href="http://www.rsc.org/suppdata/dt/b2/b208413a/">http://www.rsc.org/suppdata/dt/b2/b208413a/</a> . <i>Dalton Transactions RSC</i> , 2002, , 3931-3932.	2.3	38
103	Synthesis, crystal structures, photoluminescence, and catalytic reactivity of novel coordination polymers (0-D, 1-D, 2-D to 3-D) constructed from cis-1,2-cyclohexanedicarboxylic acid and various bipyridyl ligands. <i>New Journal of Chemistry</i> , 2011, 35, 833.	1.4	38
104	Fluorescent chemosensor based-on the combination of julolidine and furan for selective detection of zinc ion. <i>Inorganic Chemistry Communication</i> , 2013, 35, 342-345.	1.8	38
105	A NBD-based selective colorimetric and fluorescent chemosensor for Hg <sup>2+</sup> . <i>Tetrahedron Letters</i> , 2013, 54, 4001-4005.	0.7	38
106	A single fluorescent chemosensor for multiple targets of Cu <sup>2+</sup> , Fe <sup>2+/3+</sup> and Al <sup>3+</sup> in living cells and a near-perfect aqueous solution. <i>RSC Advances</i> , 2017, 7, 28723-28732.	1.7	38
107	Fluorescent Sensor for Sequentially Monitoring Zinc(II) and Cyanide Anion in Near-Perfect Aqueous Media. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 54-62.	1.8	38
108	Sequential Multiple-Target Sensor: In <sup>3+</sup> , Fe <sup>2+</sup> , and Fe <sup>3+</sup> Discrimination by an Anthracene-Based Probe. <i>Inorganic Chemistry</i> , 2019, 58, 13796-13806.	1.9	38

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109	Terminal and Internal Olefin Epoxidation with Cobalt(II) as the Catalyst: Evidence for an Active Oxidant $\text{Co}^{\text{II}}$ Acylperoxy Species. <i>Journal of Organic Chemistry</i> , 2012, 77, 7307-7312.	1.7	37
110	A highly sensitive and selective fluorescent chemosensor for the sequential recognition of $\text{Zn}^{2+}$ and $\text{S}^{2-}$ in living cells and aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3108-3116.	4.0	37
111	Fluorescent detection of Zn(II) and In(III) and colorimetric detection of Cu(II) and Co(II) by a versatile chemosensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 65, 290-299.	2.9	37
112	Robust and Efficient Amide-Based Nonheme Manganese(III) Hydrocarbon Oxidation Catalysts: Substrate and Solvent Effects on Involvement and Partition of Multiple Active Oxidants. <i>Chemistry - A European Journal</i> , 2011, 17, 7336-7344.	1.7	36
113	A highly selective quinoline-based fluorescent sensor for Zn(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 883-887.	2.0	36
114	A colorimetric Schiff base chemosensor for $\text{CN}^{\sim}$ by naked-eye in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2015, 54, 73-76.	1.8	35
115	Highly selective and sensitive colorimetric chemosensor for detection of $\text{Co}^{2+}$ in a near-perfect aqueous solution. <i>RSC Advances</i> , 2016, 6, 28081-28088.	1.7	35
116	Simultaneous bioimaging recognition of cation $\text{Al}^{3+}$ and anion $\text{F}^{\sim}$ by a fluorogenic method. <i>Dyes and Pigments</i> , 2016, 129, 43-53.	2.0	35
117	Anion effect on construction of zinc(II) coordination polymer with a chelating ligand 2,2'-dipyridylamine (Hdpa): Novel heterogeneous catalytic activities. <i>Inorganic Chemistry Communication</i> , 2007, 10, 287-291.	1.8	34
118	A highly selective fluorescent sensor for the detection of $\text{Al}^{3+}$ and $\text{CN}^{\sim}$ in aqueous solution: biological applications and DFT calculations. <i>New Journal of Chemistry</i> , 2016, 40, 8918-8927.	1.4	34
119	Highly Sensitive Dansyl-Based Chemosensor for Detection of $\text{Cu}^{2+}$ in Aqueous Solution and Zebrafish. <i>ACS Omega</i> , 2019, 4, 12537-12543.	1.6	34
120	A hydrazone-quinoline-based chemosensor sensing $\text{In}^{3+}$ and $\text{Zn}^{2+}$ via fluorescence turn-on and $\text{ClO}^{\sim}$ color change in aqueous solution. <i>New Journal of Chemistry</i> , 2019, 43, 7320-7328.	1.4	34
121	A highly selective turn-on chemosensor for $\text{Zn}^{2+}$ in aqueous media and living cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 1045-1053.	4.0	33
122	Synthesis, Characterization, and Catalytic Activities of A Nickel(II) Monoamido-Tetradentate Complex: Evidence For $\text{Ni}^{\text{III}}$ Oxo and $\text{Ni}^{\text{IV}}$ Oxo Species. <i>Chemistry - A European Journal</i> , 2017, 23, 3117-3125.	1.7	33
123	Colorimetric detection of iron and fluorescence detection of zinc and cadmium by a chemosensor containing a bio-friendly octopamine. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 442-452.	1.6	33
124	A fluorescent and colorimetric Schiff base chemosensor for the detection of $\text{Zn}^{2+}$ and $\text{Cu}^{2+}$ : Application in live cell imaging and colorimetric test kit. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 34-43.	2.0	33
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126	A thiol-containing colorimetric chemosensor for relay recognition of $\text{Cu}^{2+}$ and $\text{S}^{2-}$ in aqueous media with a low detection limit. <i>Inorganica Chimica Acta</i> , 2019, 492, 83-90.	1.2	32



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128	A naked-eye detection of fluoride with urea/thiourea receptors which have both a benzophenone group and a nitrophenyl group as a signalling group. <i>Supramolecular Chemistry</i> , 2010, 22, 267-273.	1.5	31
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130	A highly selective colorimetric chemosensor for cyanide and sulfide in aqueous solution: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2016, 40, 7768-7778.	1.4	31
131	Crystal structures and catalytic activities of Zn(II) compounds containing btp ligands. <i>Inorganica Chimica Acta</i> , 2005, 358, 3659-3670.	1.2	30
132	A turn-on and reversible fluorescence sensor with high affinity to Zn <sup>2+</sup> in aqueous solution. <i>Tetrahedron Letters</i> , 2014, 55, 2517-2522.	0.7	30
133	A dual chemosensor: Colorimetric detection of Co <sup>2+</sup> and fluorometric detection of Zn <sup>2+</sup> . <i>Journal of Luminescence</i> , 2016, 179, 602-609.	1.5	30
134	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
135	A new Schiff-based chemosensor for chromogenic sensing of Cu <sup>2+</sup> , Co <sup>2+</sup> and S <sup>2-</sup> in aqueous solution: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2017, 41, 3991-3999.	1.4	30
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140	A fluorescent chemosensor for Al <sup>3+</sup> based on julolidine and tryptophan moieties. <i>Tetrahedron</i> , 2016, 72, 1998-2005.	1.0	28
141	A new indazole-based colorimetric chemosensor for sequential detection of Cu <sup>2+</sup> and GSH in aqueous solution. <i>Tetrahedron</i> , 2017, 73, 4750-4757.	1.0	28
142	A Colorimetric and Fluorescent Chemosensor for the Selective Detection of Cu <sup>2+</sup> and Zn <sup>2+</sup> Ions. <i>Journal of Fluorescence</i> , 2017, 27, 357-367.	1.3	28
143	A novel displacement-type colorimetric chemosensor for the detection of Cu <sup>2+</sup> and GSH in aqueous solution. <i>RSC Advances</i> , 2016, 6, 74400-74408.	1.7	27
144	Real-time detection of DNA cleavage induced by [M(2,2'-dipyridylamine) <sub>2</sub> (NO <sub>3</sub> ) <sub>n</sub> ] <sup>x+</sup> (M=Cd, Cu, Ni, Zn,) <i>Tetrahedron</i> , 2016, 72, 1998-2005.	1.5	26

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147	Determination of Zinc Ion by a Quinoline-Based Fluorescence Chemosensor. <i>Journal of Fluorescence</i> , 2020, 30, 347-356.	1.3	26
148	ZnII coordination polymers constructed with malonate and bipyridyl ligands: Photoluminescence and heterogeneous catalytic reactivity. <i>Polyhedron</i> , 2013, 53, 166-171.	1.0	25
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150	A thiophene-based blue-fluorescent emitting chemosensor for detecting indium (III) ion. <i>Inorganic Chemistry Communication</i> , 2018, 97, 171-175.	1.8	25
151	A Multi-Responsive Naphthalimide-Based "Turn-on" Fluorescent Chemosensor for Sensitive Detection of Trivalent Cations Ga <sup>3+</sup> , Al <sup>3+</sup> and Cr <sup>3+</sup> . <i>Journal of Fluorescence</i> , 2018, 28, 785-794.	1.3	25
152	Crystal structures and catalytic activities of Zn(II) compounds containing 1,3-bis(4-pyridyl)propane. <i>Inorganica Chimica Acta</i> , 2006, 359, 2534-2542.	1.2	24
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156	Chromogenic naked-eye detection of copper ion and fluoride. <i>RSC Advances</i> , 2015, 5, 86463-86472.	1.7	23
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158	A colorimetric chemosensor for the sequential recognition of Mercury (II) and iodide in aqueous media. <i>Inorganic Chemistry Communication</i> , 2016, 70, 147-152.	1.8	22
159	A dual target chemosensor for the fluorometric detection of In <sup>3+</sup> and colorimetric detection of Fe <sup>3+</sup> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 622-629.	2.0	22
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164	Synthesis, DNA binding profile and DNA cleavage pathway of divalent metal complexes. <i>RSC Advances</i> , 2015, 5, 68067-68075.	1.7	21
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166	A highly selective colorimetric chemosensor for sequential detection of Fe <sup>3+</sup> and pyrophosphate in aqueous solution. <i>Tetrahedron</i> , 2017, 73, 6624-6631.	1.0	21
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169	A visible chemosensor based on carbohydrazide for Fe(II), Co(II) and Cu(II) in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1249-1258.	1.6	21
170	A simple hydrazine-based probe bearing anthracene moiety for the highly selective detection of hypochlorite. <i>Inorganic Chemistry Communication</i> , 2019, 101, 1-5.	1.8	21
171	A Novel Benzimidazole-Based Fluorescence Probe for Detecting Zinc Ion in Aqueous Solution and Zebrafish. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 961-966.	2.0	20
172	Developing a new chemosensor targeting zinc ion based on two types of quinoline platform. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118652.	2.0	20
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174	Fine tuning of receptor polarity for the development of selective naked eye anion receptor. <i>Tetrahedron Letters</i> , 2011, 52, 3361-3366.	0.7	19
175	Fluorescent chemosensor based on bispicolylamine for selective detection of magnesium ions. <i>Supramolecular Chemistry</i> , 2013, 25, 65-68.	1.5	19
176	Oxidative DNA cleavage by Cu(II) complexes: Effect of periphery substituent groups. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 143-149.	1.5	19
177	A fluorescent and colorimetric chemosensor for Ga <sup>3+</sup> and CN <sup>-</sup> . <i>Inorganica Chimica Acta</i> , 2018, 479, 154-160.	1.2	19
178	A multi-functional chemosensor for highly selective ratiometric fluorescent detection of silver(I) ion and dual turn-on fluorescent and colorimetric detection of sulfide. <i>Royal Society Open Science</i> , 2018, 5, 180293.	1.1	19
179	Selective chemosensor capable of sensing both CN <sup>-</sup> and Zn <sup>2+</sup> : Its application to zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126814.	4.0	19
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182	Selective Fe <sup>2+</sup> Ion Recognition Using a Fluorescent Pyridinyl-benzoimidazole-derived Ionophore. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 3625-3628.	1.0	19
183	Sequential detection of mercury( <sup>ii</sup> ) and thiol-containing amino acids by a fluorescent chemosensor. <i>RSC Advances</i> , 2016, 6, 4212-4220.	1.7	18
184	Furan and Julolidine-Based "Turn-on" Fluorescence Chemosensor for Detection of F <sup>+</sup> in a Near-Perfect Aqueous Solution. <i>Journal of Fluorescence</i> , 2017, 27, 1457-1466.	1.3	18
185	A Highly Selective Fluorescent Chemosensor for Detecting Indium(III) with a Low Detection Limit and its Application. <i>Journal of Fluorescence</i> , 2018, 28, 1363-1370.	1.3	18
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187	A colorimetric chemosensor for selective detection of copper ions. <i>Coloration Technology</i> , 2020, 136, 459-467.	0.7	18
188	Simple urea/thiourea sensors for the biologically important ions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 70, 29-35.	1.6	17
189	A colorimetric chemosensor for sulfide in a near-perfect aqueous solution: practical application using a test kit. <i>RSC Advances</i> , 2016, 6, 85091-85099.	1.7	17
190	A rhodanine-based fluorescent chemosensor for sensing Zn <sup>2+</sup> and Cd <sup>2+</sup> : Applications to water sample and cell imaging. <i>Inorganica Chimica Acta</i> , 2020, 513, 119936.	1.2	17
191	Epoxidation of Olefins with H <sub>2</sub> O <sub>2</sub> Catalyzed by an Electronegatively-Substituted Iron Porphyrin Complex in Aprotic Solvent. <i>Chemistry Letters</i> , 1998, 27, 837-838.	0.7	16
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195	An Acridine-Based Fluorescent Sensor for Monitoring ClO <sup>-</sup> in Water Samples and Zebrafish. <i>Sensors</i> , 2020, 20, 4764.	2.1	16
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197	A benzothiazole-based fluorescent and colorimetric probe for the detection of ClO <sup>-</sup> and its application to zebrafish and water sample. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120827.	2.0	16
198	A NBD-based highly sensitive and selective colorimetric chemosensor for Ni <sup>2+</sup> and Cu <sup>2+</sup> . <i>Inorganic Chemistry Communication</i> , 2017, 77, 6-10.	1.8	15

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200	Real-time detection of DNA cleavage induced by [M(2,2'-bipyridine) <sub>2</sub> (NO <sub>3</sub> ) <sub>2</sub> ] (M=Cu(II), Zn(II) and Tl(I)). <i>Journal of Inorganic Biochemistry</i> , 2014, 131, 79-86.	1.5	14
201	A zinc fluorescent sensor used to detect mercury (II) and hydrosulfide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 203-211.	2.0	14
202	Fluorescent detection of Zn <sup>2+</sup> and Cu <sup>2+</sup> by a phenanthrene-based multifunctional chemosensor that acts as a basic pH indicator. <i>Inorganica Chimica Acta</i> , 2018, 482, 375-383.	1.2	14
203	A conjugated Schiff base-based chemosensor for selectively detecting mercury ion. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	14
204	A multi-functional picolinohydrazide-based chemosensor for colorimetric detection of iron and dual responsive detection of hypochlorite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118899.	2.0	14
205	A Benzothiazole-Based Fluorescence Turn-on Sensor for Copper(II). <i>Journal of Fluorescence</i> , 2021, 31, 1203-1209.	1.3	14
206	DNA cleavage induced by [Cu(L) <sub>x</sub> (NO <sub>3</sub> ) <sub>2</sub> ] (L=2,2'-dipyridylamine, 2,2'-bipyridine, dipicolylamine, x=1 or 2): Effect of the ligand structure. <i>Journal of Inorganic Biochemistry</i> , 2014, 131, 79-86.	1.5	13
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211	A dual-response sensor based on NBD for the highly selective determination of sulfide in living cells and zebrafish. <i>New Journal of Chemistry</i> , 2019, 43, 4029-4035.	1.4	13
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213	A Turn-on Fluorescent Chemosensor for Zn <sup>2+</sup> Based on Quinoline in Aqueous Media. <i>Journal of Fluorescence</i> , 2016, 26, 835-844.	1.3	12
214	Selective detection of Cu <sup>2+</sup> and S <sup>2-</sup> by a colorimetric chemosensor: Experimental and theoretical calculations. <i>Inorganica Chimica Acta</i> , 2018, 471, 709-717.	1.2	12
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216	Cinnamaldehyde-Based Chemosensor for Colorimetric Detection of Cu <sup>2+</sup> and Hg <sup>2+</sup> in a Near-Perfect Aqueous Solution. <i>ChemistrySelect</i> , 2019, 4, 2795-2801.	0.7	12

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218	A benzyl carbazate-based colorimetric chemosensor for relay detection of Cu <sup>2+</sup> and S <sup>2-</sup> in near-perfect aqueous media. <i>Journal of Molecular Structure</i> , 2021, 1240, 130576.	1.8	12
219	A novel selective colorimetric chemosensor for Cu <sup>2+</sup> in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2014, 49, 68-71.	1.8	11
220	A Thiourea-Containing Fluorescent Chemosensor for Detecting Ga <sup>3+</sup> . <i>Journal of Fluorescence</i> , 2020, 30, 1457-1462.	1.3	11
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224	A naphthyl thiourea-based effective chemosensor for fluorescence detection of Ag <sup>+</sup> and Zn <sup>2+</sup> . <i>Luminescence</i> , 2021, 36, 1725-1732.	1.5	10
225	A selective fluorescence sensor for hypochlorite used for the detection of hypochlorite in zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120059.	2.0	10
226	An NBD-based fluorescent and colorimetric chemosensor for detecting S <sup>2-</sup> : Practical application to zebrafish and water samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121207.	2.0	10
227	Crystallographic report: A coordination polymer containing [Zn(NO <sub>3</sub> )(H <sub>2</sub> O) <sub>2</sub> (btp) <sub>2</sub> ] <sup>+</sup> units bridged by btp ligands (btp = 2,6-bis(N <sup>1</sup> ,2,4-triazolyl)pyridine). <i>Applied Organometallic Chemistry</i> , 2003, 17, 805-806.	1.7	9
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231	Ratiometric fluorescence In <sup>3+</sup> sensing via In <sup>3+</sup> -triggered tautomerization: Its applications to water samples, live cells and zebrafish. <i>Dyes and Pigments</i> , 2020, 183, 108704.	2.0	8
232	A pyrene-mercapto-based probe for detecting Ag <sup>+</sup> by fluorescence turn-on. <i>Inorganic Chemistry Communication</i> , 2020, 118, 108044.	1.8	8
233	An effective colorimetric sensor for detecting Cu <sup>2+</sup> based on benzothiazole moiety. <i>Coloration Technology</i> , 2021, 137, 512-519.	0.7	8
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236	Selective detection of Cu <sup>2+</sup> by benzothiazole-based colorimetric chemosensor: a DFT study. <i>Journal of Chemical Sciences</i> , 2022, 134, 1.	0.7	8
237	A chalcone-based fluorescent chemosensor for detecting Mg <sup>2+</sup> and Cd <sup>2+</sup> . <i>Luminescence</i> , 2022, 37, 332-339.	1.5	8
238	A colorimetric Fâ” chemosensor with high selectivity: experimental and theoretical studies. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 86, 111-119.	0.9	7
239	A simple colorimetric chemosensor for relay detection of Cu <sup>2+</sup> and S <sup>2-</sup> in aqueous solution. <i>Journal of Coordination Chemistry</i> , 2018, 71, 355-370.	0.8	7
240	Determination of Fe <sup>2+</sup> and Co <sup>2+</sup> by a Multiple-Target Colorimetric Chemosensor with Low Detection Limit in Aqueous Solution. <i>ChemistrySelect</i> , 2019, 4, 1199-1204.	0.7	7
241	A Chromone-Based Fluorescent Chemosensor for Detecting Cu <sup>2+</sup> . <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 201-204.	1.0	7
242	A chelated-type colorimetric chemosensor for sensing Co <sup>2+</sup> and Cu <sup>2+</sup> . <i>Inorganica Chimica Acta</i> , 2020, 505, 119502.	1.2	7
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