

Kuo-xi Xu

List of Publications by Year in descending order

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53
papers

1,258
citations

279798

23
h-index

395702

33
g-index

53
all docs

53
docs citations

53
times ranked

925
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel quinoline-derived fluorescent probe for Cu ²⁺ with highly selectivity and sensitivity and its application in cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1070-1076.	7.8	70
2	A novel 2-(Hydroxymethyl)quinolin-8-ol-based selective and sensitive fluorescence probe for Cd ²⁺ ion in water and living cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 877-884.	7.8	63
3	A novel fluorescent-colorimetric probe for Al ³⁺ and Zn ²⁺ ion detection with different response and applications in F ⁻ detection and cell imaging. <i>Analyst</i> , 2019, 144, 5706-5716.	3.5	54
4	Fluorescent schiff base probes for sequential detection of Al ³⁺ and F ⁻ and cell imaging applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117678.	3.9	48
5	Novel fluorescent probes for sequential detection of Cu ²⁺ and citrate anion and application in living cell imaging. <i>Dyes and Pigments</i> , 2019, 161, 331-340.	3.7	47
6	Turn-on fluorescent sensor for Zinc and Cadmium ions based on quinolone and its sequential response to phosphate. <i>Journal of Luminescence</i> , 2017, 186, 16-22.	3.1	46
7	A dual fluorescence probe for Zn ²⁺ and Al ³⁺ through differentially response and bioimaging in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117493.	3.9	45
8	Coumarin-based colorimetric-fluorescent sensors for the sequential detection of Zn ²⁺ ion and phosphate anions and applications in cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117790.	3.9	39
9	A near-infrared fluorescent probe for imaging of endogenous hydrogen sulfide in living cells and mice. <i>Dyes and Pigments</i> , 2021, 189, 109231.	3.7	36
10	Synthesis and chiral recognition of novel chiral fluorescence receptors bearing 9-anthryl moieties. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 833-839.	1.8	35
11	A new fluorescent probe based on quinoline for detection of Al ³⁺ and Fe ³⁺ with "off-on" response in aqueous solution. <i>RSC Advances</i> , 2016, 6, 99933-99939.	3.6	34
12	Acridine-based fluorescence chemosensors for selective sensing of Fe ³⁺ and Ni ²⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 403-411.	3.9	34
13	A novel colorimetric-fluorescent probe for Al ³⁺ and the resultant complex for F ⁻ and its applications in cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117234.	3.9	34
14	A novel coumarin-based fluorescent sensor for Ca ²⁺ and sequential detection of F ⁻ and its live cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 385-394.	3.9	34
15	A novel turn-on fluorescent probe for Al ³⁺ and Fe ³⁺ in aqueous solution and its imaging in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 257-262.	3.9	33
16	Enantioselective recognition by optically active chiral fluorescence sensors bearing amino acid units. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3042-3048.	1.8	29
17	A quinoline-based Cu ²⁺ ion complex fluorescence probe for selective detection of inorganic phosphate anion in aqueous solution and its application to living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 30-36.	3.9	27
18	Syntheses and highly enantioselective fluorescent recognition of L/D-hydroxyl/amino carboxylic acid anions in protic solutions. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 384-389.	7.8	26

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19	Acridine-based complex as amino acid anion fluorescent sensor in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 157, 1-5.	3.9	26
20	A selective fluorescent probe for relay detection of Zn ²⁺ and tartrate: Application to logic circuit and living cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 410-418.	3.9	26
21	Study on the synthesis of novel fluorescent macrocyclic sensors and their sensitive properties for Cu ²⁺ and Fe ³⁺ in aqueous solution. <i>Supramolecular Chemistry</i> , 2017, 29, 315-322.	1.2	25
22	Enantioselective fluorescent sensors for amino acid derivatives based on BINOL bearing benzoyl unit. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1690-1696.	1.8	24
23	Syntheses and Highly Enantioselective Fluorescent Recognition of α -Aminocarboxylic Acid Anions Using Chiral Oxalix[2]arene[2]bisbinaphthes. <i>Chirality</i> , 2012, 24, 646-651.	2.6	24
24	Enantioselective Fluorescent Sensors for Amino Acid Derivatives Based on BINOL Bearing S-tryptophan Unit: Synthesis and Chiral Recognition. <i>Journal of Fluorescence</i> , 2011, 21, 991-1000.	2.5	23
25	Selective fluorescent sensors for malate anion using the complex of phenanthroline-based Eu(III) in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 131-137.	7.8	23
26	Indole-based colori/fluorimetric probe for selective detection of Cu ²⁺ and application in living cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117631.	3.9	23
27	A novel near-infrared turn-on fluorescent probe for the detection of Fe ³⁺ and Al ³⁺ and its applications in living cells imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118552.	3.9	22
28	A novel α -off-on-off α -fluorescent probe for sensing of Fe ³⁺ and F ⁻ successively in aqueous solution and its application in cells. <i>Dyes and Pigments</i> , 2021, 194, 109637.	3.7	22
29	Acridine-based enantioselective fluorescent sensors for the malate anion in water. <i>New Journal of Chemistry</i> , 2014, 38, 1004.	2.8	21
30	Novel fluorescent probes for relay detection copper/citrate ion and application in cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 9-17.	3.9	21
31	Visible and Reversible Restrict of Molecular Configuration by Copper Ion and Pyrophosphate. <i>ACS Sensors</i> , 2020, 5, 2438-2447.	7.8	21
32	Novel enantioselective fluorescent sensors for malate anion based on acridine. <i>Dyes and Pigments</i> , 2014, 109, 169-174.	3.7	19
33	Novel fluorescent chemosensors based on carbazole for Cu ²⁺ and Fe ³⁺ in aqueous media. <i>Journal of Luminescence</i> , 2013, 143, 583-586.	3.1	17
34	A hemicyanine-based α -turn-on α -fluorescent probe for the selective detection of Cu ²⁺ ions and imaging in living cells. <i>Analytical Methods</i> , 2020, 12, 4181-4184.	2.7	17
35	Synthesis and enantioselective fluorescent sensors for amino acid derivatives based on BINOL. <i>Supramolecular Chemistry</i> , 2010, 22, 563-570.	1.2	16
36	An aminoquinoline based fluorescent probe for sequential detection of Znic (II) and inorganic phosphate and application in living cell imaging. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5162.	3.5	16

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37	Synthesis and fluorescence spectral studies of novel quinolybenzothiazole-based sensors for selective detection of Fe ³⁺ ion. Canadian Journal of Chemistry, 2018, 96, 835-841.	1.1	15
38	Enantioselective fluorescent sensors for chiral carboxylates based on BINOL- Synthesis and chiral recognition. Canadian Journal of Chemistry, 2010, 88, 367-374.	1.1	11
39	Novel naphthalene-based fluorescent chemosensors for Cu ²⁺ and Fe ³⁺ in aqueous media. Supramolecular Chemistry, 2013, 25, 146-150.	1.2	11
40	Novel anthracene-based fluorescent sensor for selective recognition of acetate anions in protic media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 957-961.	3.9	10
41	Novel enantioselective fluorescent sensors for tartrate anion based on acridinezwsxa. Luminescence, 2017, 32, 1313-1318.	2.9	10
42	Development of Acridine-Derived Turn On-Al ³⁺ Fluorescent Sensors and Their Imaging in Living Cells. ChemistrySelect, 2018, 3, 2805-2811.	1.5	10
43	A novel cysteine fluorescent probe based on benzothiazole and quinoline with a large stokes shift and application in living cell and mice. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113335.	3.9	10
44	A pair of chiral fluorescent sensors for enantioselective recognition of mandelate in water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 811-815.	3.9	9
45	A novel reversible oxazole-based NIR fluorescent probe for Cu ²⁺ and S ²⁻ ions detection. Journal of Molecular Structure, 2022, 1266, 133522.	3.6	8
46	Enantioselective fluorescent recognition of mandelate by substituted BINOL in aqueous solutions. Supramolecular Chemistry, 2009, 21, 618-623.	1.2	7
47	Colorimetric chiral fluorescent sensors for Eu ³⁺ and sequential enantioselective sensing of malate anion. Chirality, 2018, 30, 777-784.	2.6	7
48	Enantioselective Fluorescent Sensors for N-Boc-Protected Amino Acid Anions Based on BINOL. Chinese Journal of Chemistry, 2010, 28, 803-810.	4.9	6
49	Fluorescence Sensors for Fe ³⁺ Ion with High Selectivity and Sensitivity and Bioimaging in Living Cells. ChemistrySelect, 2018, 3, 11081-11086.	1.5	6
50	Phenanthroline-based fluorescence sensors for Eu ³⁺ ion and subsequent enantioselective discriminating of malate. Supramolecular Chemistry, 2018, 30, 994-1003.	1.2	5
51	Synthesis and Chiral Detecting of Tartrate Fluorescence Sensors Based on Acridine. Chinese Journal of Organic Chemistry, 2016, 36, 782.	1.3	5
52	A novel reversible fluorescent probe for Cu ²⁺ and S ²⁻ ions and imaging in living cells. Methods and Applications in Fluorescence, 2022, 10, 035009.	2.3	5
53	Novel fluorescent chemosensors based on tryptophan unit for Cu ²⁺ and Fe ³⁺ in aqueous solution. Chemical Research in Chinese Universities, 2013, 29, 642-646.	2.6	3