

Keli Zhong

List of Publications by Year in descending order

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76
papers

2,024
citations

201674

27
h-index

254184

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76
all docs

76
docs citations

76
times ranked

1833
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid and highly selective relay recognition of Cu(II) and sulfide ions by a simple benzimidazole-based fluorescent sensor in water. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 188-194.	7.8	156
2	Fluorescence relay enhancement sequential recognition of Cu ²⁺ and CN ⁻ by a new quinazoline derivative. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 439-445.	7.8	121
3	An ESIPT-based mitochondria-targeted ratiometric and NIR-emitting fluorescent probe for hydrogen peroxide and its bioimaging in living cells. <i>Dyes and Pigments</i> , 2018, 158, 482-489.	3.7	94
4	A mitochondria-targetable fluorescent probe for ratiometric detection of SO ₂ derivatives and its application in live cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 421-427.	7.8	89
5	A highly selective and ratiometric fluorescent sensor for relay recognition of zinc(ii) and sulfide ions based on modulation of excited-state intramolecular proton transfer. <i>RSC Advances</i> , 2013, 3, 16802.	3.6	82
6	A simple H ₂ S fluorescent probe with long wavelength emission: Application in water, wine, living cells and detection of H ₂ S gas. <i>Dyes and Pigments</i> , 2020, 174, 108049.	3.7	74
7	A simple AIE-active fluorogen for relay recognition of Cu ²⁺ and pyrophosphate through aggregation-switching strategy. <i>Dyes and Pigments</i> , 2020, 178, 108379.	3.7	72
8	Effects of different freezing treatments on physicochemical responses and microbial characteristics of Japanese sea bass (<i>Lateolabrax japonicus</i>) fillets during refrigerated storage. <i>LWT - Food Science and Technology</i> , 2014, 59, 122-129.	5.2	70
9	A new NIR-emissive fluorescence turn-on probe for Hg ²⁺ detection with a large Stokes shift and its multiple applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 387, 112160.	3.9	65
10	A new cascade reaction-based colorimetric and fluorescence "turn on" dual-function probe for cyanide and hydrazine detection. <i>Dyes and Pigments</i> , 2021, 186, 109034.	3.7	62
11	A simple benzothiazole-based mitochondrial-targeting fluorescent probe for visualizing and monitoring viscosity in living cell, lung organ tissue, and living mice. <i>Dyes and Pigments</i> , 2020, 182, 108644.	3.7	61
12	Novel magnetic fluorescence probe based on carbon quantum dots-doped molecularly imprinted polymer for AHLs signaling molecules sensing in fish juice and milk. <i>Food Chemistry</i> , 2020, 328, 127063.	8.2	56
13	Mitochondria-Targeted Red-Emission Fluorescent Probe for Ultrafast Detection of H ₂ S in Food and Its Bioimaging Application. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4628-4634.	5.2	54
14	A water-soluble highly sensitive and selective fluorescent sensor for Hg ²⁺ based on 2-(2-(8-hydroxyquinolin-yl)benzimidazole via ligand-to-metal charge transfer (LMCT). <i>RSC Advances</i> , 2014, 4, 16612.	3.6	37
15	Dual-functional multi-application probe: Rapid detection of H ₂ S and colorimetric recognition of HSO ₃ ⁻ in food and cell. <i>Dyes and Pigments</i> , 2020, 182, 108656.	3.7	37
16	A novel 2,5-diphenyl-1,3,4-oxadiazole derived fluorescent sensor for highly selective and ratiometric recognition of Zn ²⁺ in water through switching on ESIPT. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 557-564.	7.8	36
17	Multi-analyte, ratiometric and relay recognition of a 2,5-diphenyl-1,3,4-oxadiazole-based fluorescent sensor through modulating ESIPT. <i>RSC Advances</i> , 2015, 5, 10505-10511.	3.6	36
18	An efficient sensor for relay recognition of Zn ²⁺ and Cu ²⁺ through fluorescence "off-on-off" functionality. <i>Tetrahedron Letters</i> , 2013, 54, 6105-6109.	1.4	35

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19	A new 2-(2-hydroxyphenyl)quinazolin-4(3H)-one derived acylhydrazone for fluorescence recognition of Al ³⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 70-74.	3.9	35
20	A colorimetric and near-infrared fluorescent probe for detection of hydrogen sulfide and its real multiple applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117135.	3.9	35
21	A highly sensitive ratiometric fluorescent sensor for copper ions and cadmium ions in scallops based on nitrogen doped graphene quantum dots cooperating with gold nanoclusters. <i>Food Chemistry</i> , 2022, 369, 130964.	8.2	35
22	A near-infrared fluorescent probe for H ₂ S based on tandem reaction to construct iminocoumarin-benzothiazole and its application in food, water, living cells. <i>Analytica Chimica Acta</i> , 2020, 1127, 49-56.	5.4	32
23	Selective sampling and measurement of Cr (VI) in water with polyquaternary ammonium salt as a binding agent in diffusive gradients in thin-films technique. <i>Journal of Hazardous Materials</i> , 2014, 271, 160-165.	12.4	31
24	Mitochondria-Targeted Fluorescent Turn-On Probe for Rapid Detection of Bisulfite/Sulfite in Water and Food Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5159-5165.	5.2	31
25	A novel near-infrared fluorescent probe for highly selective recognition of hydrogen sulfide and imaging in living cells. <i>RSC Advances</i> , 2018, 8, 23924-23929.	3.6	29
26	Synthesis and self-assembly of coil-rod-coil molecules with lateral methyl and ethyl groups in the center of the rod segment. <i>Soft Matter</i> , 2010, 6, 5993.	2.7	28
27	A new hydroxynaphthyl benzothiazole derived fluorescent probe for highly selective and sensitive Cu ²⁺ detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 169, 246-251.	3.9	28
28	A 2,5-diaryl-1,3,4-oxadiazole-based fluorescent probe for rapid and highly selective recognition of hydrogen sulfide with a large Stokes shift through switching on ESIPT. <i>Tetrahedron Letters</i> , 2016, 57, 1361-1364.	1.4	28
29	An aggregation-induced emission-based fluorescence turn-on probe for Hg ²⁺ and its application to detect Hg ²⁺ in food samples. <i>RSC Advances</i> , 2019, 9, 23316-23323.	3.6	28
30	Self-Assembly of n-Shaped Rod-Coil Molecules into Thermoresponsive Nanoassemblies: Construction of Reversible Helical Nanofibers in Aqueous Environment. <i>Macromolecules</i> , 2016, 49, 5912-5920.	4.8	24
31	A new Rhodamine-based visual and fluorometric probe for selective detection of trivalent cations. <i>Tetrahedron Letters</i> , 2016, 57, 2616-2619.	1.4	23
32	A novel carbazole-based ratiometric fluorescent sensor for Zn ²⁺ recognition through excimer formation and application of the resultant complex for colorimetric recognition of oxalate through AIDs. <i>Tetrahedron</i> , 2014, 70, 9118-9124.	1.9	22
33	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.	1.4	22
34	A Phenylbenzothiazole Derived Fluorescent Sensor for Zn(II) Recognition in Aqueous Solution Through "Turn-On" Excited-State Intramolecular Proton Transfer Emission. <i>Journal of Fluorescence</i> , 2014, 24, 1487-1493.	2.5	21
35	Relay recognition by modulating ESIPT: A phenylbenzimidazole derived sensor for highly selective ratiometric fluorescent recognition of Zn ²⁺ and S ²⁻ in water. <i>Journal of Luminescence</i> , 2014, 147, 179-183.	3.1	20
36	A New Thiosemicarbazone-Based Fluorescence "Turn-on" Sensor for Zn ²⁺ Recognition with a Large Stokes Shift and its Application in Live Cell Imaging. <i>Journal of Fluorescence</i> , 2016, 26, 1535-1540.	2.5	20

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37	Synthesis and self-assembly of amphiphilic bent-shaped molecules based on dibenzo[a,c]phenazine and poly(ethylene oxide) units. <i>Polymer Chemistry</i> , 2015, 6, 7395-7401.	3.9	19
38	Synthesis and self-assembly of oligomers containing cruciform 9,10-bis(arylethynyl)anthracene unit: formation of supramolecular nanostructures based on rod-length-dependent organization. <i>Tetrahedron</i> , 2014, 70, 1230-1235.	1.9	16
39	Tetrakis(tetrathiafulvalene)tetra-thiacrown ether)porphyrazine Triads: Synthesis, Photophysical, and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1138-1146.	2.4	15
40	Morphological Control of Coil-Rod-Coil Molecules Containing <i>m</i> -Terphenyl Group: Construction of Helical Fibers and Helical Nanorings in Aqueous Solution. <i>Langmuir</i> , 2018, 34, 10613-10621.	3.5	15
41	Self-organizing <i>p</i> -quinquephenyl building blocks incorporating lateral hydroxyl and methoxyl groups into supramolecular nano-assemblies. <i>Soft Matter</i> , 2016, 12, 3860-3867.	2.7	14
42	On-package ratiometric fluorescent sensing label based on AIE polymers for real-time and visual detection of fish freshness. <i>Food Chemistry</i> , 2022, 390, 133153.	8.2	14
43	Synthesis and properties of T-shaped organic conjugates based on 3,6-diarylpyridazine-fused tetrathiafulvalene. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5100.	2.8	13
44	Determination of lead in soybean sauces by the diffusive gradients in thin films technique. <i>Food Chemistry</i> , 2014, 165, 9-13.	8.2	13
45	Ordered nanostructures from self-assembly of H-shaped coil-rod-coil molecules. <i>Journal of Polymer Science Part A</i> , 2015, 53, 85-92.	2.3	13
46	An ordered network polymer of bicontinuous cubic structure resulting from photo-polymerization of a coil-rod-coil molecule self-assembly. <i>Macromolecular Research</i> , 2009, 17, 280-283.	2.4	12
47	A Simple Benzimidazole Based Fluorescent Sensor for Ratiometric Recognition of Zn ²⁺ in Water. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 489-493.	1.9	12
48	A triphenylamine derived fluorescent probe for efficient detection of H ₂ S based on aggregation-induced emission. <i>New Journal of Chemistry</i> , 2021, 45, 13399-13405.	2.8	12
49	A novel benzothiazole-based enaminone as a fluorescent probe for highly selective and sensitive detection of CN ⁻ . <i>RSC Advances</i> , 2016, 6, 48351-48356.	3.6	11
50	Control of supramolecular nanoassemblies by tuning the interactions of bent-shaped rod-coil molecules. <i>Soft Matter</i> , 2017, 13, 3334-3340.	2.7	11
51	A colorimetric, NIR, ultrafast fluorescent probe for ferric iron detection based on the PET mechanism and its multiple applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9009-9016.	5.5	11
52	A 2-(2-hydroxyphenyl)quinazolin-4(3H)-one derived fluorescence turn on probe for recognition of Hg ²⁺ in water solution and its live cell imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 340, 15-20.	3.9	10
53	Preparation of a bilayer edible film incorporated with lysozyme and its effect on fish spoilage bacteria. <i>Journal of Food Safety</i> , 2020, 40, e12832.	2.3	10
54	A simple and efficient fluorescent probe for detecting Ba ²⁺ and its various applications. <i>Tetrahedron Letters</i> , 2020, 61, 151558.	1.4	9

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55	A novel D-π-A type NBD-based fluorescent probe for ultrafast and distinguishable detection of Hcy/Cys and its bioimaging application. <i>Journal of Luminescence</i> , 2020, 224, 117330.	3.1	9
56	Construction of Supramolecular Nanostructures from V-Shaped Amphiphilic Rod-Coil Molecules Incorporating Phenazine Units. <i>Polymers</i> , 2017, 9, 685.	4.5	6
57	Fluorescence Recognition of H ₂ S by a Benzothiazole Derivative and Its Live Cell Imaging. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 423.	1.3	6
58	Self-organization of coil-rod-coil molecular isomers with conjugated rod segments into supramolecular honeycomb and lamellar assemblies. <i>Polymer International</i> , 2014, 63, 1070-1075.	3.1	5
59	Synthesis of Multifunctional Long-Wavelength-Emitting Fluorescent Probe Based on Hydrazine Dihydrazone and Its Copper Complex for Detection of H ₂ S. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 1786.	1.3	5
60	A Highly Selective and Sensitive Fluorescent Probe Recognition for Co ²⁺ in Aqueous Media Based on 8-Hydroxyquinolin-2-carbaldehyde-2-pyridylformylhydrazone Derivative. <i>Chinese Journal of Chemistry</i> , 2016, 34, 1329-1334.	4.9	4
61	A TCF-based colorimetric and fluorescent probe for highly selective detection of oxalyl chloride. <i>Tetrahedron Letters</i> , 2020, 61, 152470.	1.4	4
62	Investigating phosphorescence capability of halogen-substituted metal-free organic molecules: A theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 255, 119642.	3.9	4
63	Construction of nanoaggregates from amphiphilic supramolecules containing barbiturate and Hamilton wedge units. <i>Polymer International</i> , 2022, 71, 478-486.	3.1	4
64	Synthesis and Mesomorphism of the Bipedal Liquid Crystals with a Tetrathiafulvalene/dithiole and Two Cholesterol Moieties. <i>Heterocycles</i> , 2012, 85, 3021.	0.7	3
65	Liquid Crystalline Assembly of Coil-Rod-Coil Molecules with Lateral Methyl Groups into 3-D Hexagonal and Tetragonal Assemblies. <i>International Journal of Molecular Sciences</i> , 2014, 15, 5634-5648.	4.1	3
66	A Novel 1,8-Disubstituted Pyrene-Based Fluorescent Probe for Subsequent Detection of Cu ²⁺ and Pyrophosphate. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 2002.	1.3	3
67	A fluorescent and colorimetric dual-recognition probe based on copper(II)-decorated carbon dots for detection of phosphate. <i>Analytical Methods</i> , 2021, 13, 5003-5010.	2.7	2
68	Synthesis of Novel 7-Hydroxytetrahydroquinoxaline-6-formaldehyde Acylhydrazone Derivative and Its Recognition for Al ³⁺ . <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 1251.	1.3	2
69	Research Progress of Fluorescence Probes Constructed by Cyclodextrin Derivatives and Inclusion Complexes. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 785.	1.3	2
70	Synthesis of 2-(3-Cyanofuran-2-ylidene)malononitrile Derivative and Its Recognition for Pd ²⁺ . <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 1124.	1.3	1
71	Synthesis of a Novel Benzothiazole-Rhodamine Derivative and Its Selective Detection of Fe ³⁺ , Al ³⁺ and Cr ³⁺ . <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 768.	1.3	1
72	A Fluorescence Enhancement Probe for Trivalent Ions: Preparation and Property. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 726.	1.3	1

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73	A Long-Wavelength Fluorescent Probe for Naked Eye Recognition of HSO ₃ ⁻ /SO ₃ ²⁻ in Aqueous Solution and Its Application. Chinese Journal of Organic Chemistry, 2021, 41, 2417.	1.3	0
74	A Long-Wavelength Emission Fluorescent Probe Based on TCF Derivatives for High-Sensitivity Detection of Hg ²⁺ . Heterocycles, 2021, 102, 1939.	0.7	0
75	Recent Advances in Nicotinamide Adenine Dinucleotide (NAD ⁺) Analogs Synthesis and Their Interactions with NAD ⁺ -Dependent Enzymes. Chinese Journal of Organic Chemistry, 2016, 36, 297.	1.3	0
76	Synthesis and antibacterial activity of modified $\hat{\mu}$ -polylysine. E3S Web of Conferences, 2020, 213, 01005.	0.5	0