

Xiaoyan Liu

List of Publications by Year in descending order

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64
papers

1,469
citations

361413

20
h-index

361022

35
g-index

64
all docs

64
docs citations

64
times ranked

1831
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidized multiwalled carbon nanotubes as a novel solid-phase microextraction fiber for determination of phenols in aqueous samples. <i>Journal of Chromatography A</i> , 2007, 1165, 10-17.	3.7	215
2	A phosphinate-based near-infrared fluorescence probe for imaging the superoxide radical anion in vitro and in vivo. <i>Chemical Communications</i> , 2016, 52, 2679-2682.	4.1	100
3	A new three-dimensional zinc-based metal-organic framework as a fluorescent sensor for detection of cadmium ion and nitrobenzene. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 418-426.	9.4	77
4	Fe ₃ O ₄ @MoS ₂ @PEI-facilitated enzyme tethering for efficient removal of persistent organic pollutants in water. <i>Chemical Engineering Journal</i> , 2019, 375, 121947.	12.7	57
5	A dual-response fluorescent probe for detection and bioimaging of hydrazine and cyanide with different fluorescence signals. <i>Talanta</i> , 2021, 221, 121606.	5.5	54
6	Evaluation of a magnetic polysulfone microcapsule containing organic modified montmorillonite as a novel solid-phase extraction sorbent with chlorophenols as model compounds. <i>Talanta</i> , 2011, 85, 2451-2457.	5.5	49
7	Fabrication of highly hydrophobic organic-inorganic hybrid magnetic polysulfone microcapsules: A lab-scale feasibility study for removal of oil and organic dyes from environmental aqueous samples. <i>Journal of Hazardous Materials</i> , 2016, 309, 65-76.	12.4	43
8	Preparation and Evaluation of Poly-L-Lysine Stationary Phase for Hydrophilic Interaction/Reversed-Phase Mixed-Mode Chromatography. <i>Chromatographia</i> , 2011, 74, 523-530.	1.3	41
9	Synthesis of boronic-acid-functionalized magnetic attapulgite for selective enrichment of nucleosides. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3525-3529.	3.7	38
10	Elimination of matrix effects in the determination of bisphenol A in milk by solid-phase microextraction-high-performance liquid chromatography. <i>Food Additives and Contaminants - Part A: Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2008, 25, 772-778.	2.3	34
11	Isolation of transferrin by imprinted nanoparticles with magnetic deep eutectic solvents as monomer. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6237-6245.	3.7	33
12	Oxidized Multiwalled Carbon Nanotubes as an SPME Fiber Coating for Rapid LC-UV Analysis of Benzimidazole Fungicides in Water. <i>Chromatographia</i> , 2009, 70, 753-759.	1.3	31
13	Facile synthesis of copper(II)-decorated functional mesoporous material for specific adsorption of histidine-rich proteins. <i>Talanta</i> , 2018, 176, 308-317.	5.5	30
14	Development of hyperbranched polymers with non-covalent interactions for extraction and determination of aflatoxins in cereal samples. <i>Analytica Chimica Acta</i> , 2013, 797, 40-49.	5.4	28
15	Sensitive naked eye detection and quantification assay for nitrite by a fluorescence probe in various water resources. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 200, 275-280.	3.9	28
16	A Near-Infrared Fluorescence Probe for Thiols Based on Analyte-Specific Cleavage of Carbamate and Its Application in Bioimaging. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1711-1718.	2.4	27
17	Naphthalimide derived fluorescent probes with turn-on response for Au ³⁺ and the application for biological visualization. <i>Biosensors and Bioelectronics</i> , 2016, 83, 334-338.	10.1	27
18	Binary boronic acid-functionalized attapulgite with high adsorption capacity for selective capture of nucleosides at acidic pH values. <i>Mikrochimica Acta</i> , 2016, 183, 1779-1786.	5.0	25

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19	Lysosome-targeted two-photon fluorescent probe for detection of hypobromous acid in vitro and in vivo. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 48-54.	3.9	22
20	A boronate-decorated porous carbon material derived from a zinc-based metal-organic framework for enrichment of <i>cis</i> -diol-containing nucleosides. <i>New Journal of Chemistry</i> , 2018, 42, 2288-2294.	2.8	21
21	A merocyanine-based dual-mode optical probe for detection of hydrazine and its bioimaging application in vitro and vivo. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117625.	3.9	21
22	A non-peptide NIR fluorescent probe for detection of chymotrypsin and its imaging application. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2974-2980.	5.8	20
23	A novel fluorescent probe with large Stokes shift for accurate detection of HOCl in mitochondria and its imaging application. <i>Analytica Chimica Acta</i> , 2022, 1191, 339287.	5.4	20
24	A new strategy to prepare glutathione responsive silica nanoparticles. <i>RSC Advances</i> , 2013, 3, 17700.	3.6	19
25	3D cryogel composites as adsorbent for isolation of protein and small molecules. <i>Talanta</i> , 2019, 191, 229-234.	5.5	19
26	Hepatotoxicity induced by ZnO quantum dots in mice. <i>RSC Advances</i> , 2014, 4, 5642.	3.6	18
27	Surfactant assisted enrichment of nucleosides by using a sorbent consisting of magnetic polysulfone capsules and mesoporous silica nanoparticles modified with phenylboronic acid. <i>Mikrochimica Acta</i> , 2017, 184, 271-278.	5.0	18
28	Highly selective capture of nucleosides with boronic acid functionalized polymer brushes prepared by atom transfer radical polymerization. <i>Journal of Separation Science</i> , 2016, 39, 1347-1356.	2.5	17
29	Detection of DNA 3'-phosphatase activity based on exonuclease III-assisted cascade recycling amplification reaction. <i>Talanta</i> , 2019, 204, 499-506.	5.5	17
30	A dual enzyme-containing microreactor for consecutive digestion based on hydrophilic ZIF-90 with size-selective sheltering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111422.	5.0	17
31	Fabrication of a water-soluble near-infrared fluorescent probe for selective detection and imaging of dipeptidyl peptidase IV in biological systems. <i>Journal of Materials Chemistry B</i> , 2020, 8, 767-775.	5.8	16
32	Solvent-Free Synthetic Fe ₃ O ₄ @ZIF-8 Coated Lipase as a Magnetic-Responsive Pickering Emulsifier for Interfacial Biocatalysis. <i>Catalysis Letters</i> , 2020, 150, 3608-3616.	2.6	16
33	Colorimetric and fluorometric monitoring of the helix composition of collagen-like peptides at the nM level. <i>Chemical Communications</i> , 2016, 52, 3107-3110.	4.1	15
34	Atom transfer radical polymerization of diverse functional SBA-15 for selective separation of proteins. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 165-173.	4.4	14
35	Sequential detection of H ₂ S and HOBr with a novel lysosome-targetable fluorescent probe and its application in biological imaging. <i>Journal of Hazardous Materials</i> , 2022, 422, 126898.	12.4	14
36	A new fluorescence turn-on probe for biothiols based on photoinduced electron transfer and its application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 166, 31-37.	3.9	13

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37	A novel H ₂ O ₂ activated NIR fluorescent probe for accurately visualizing H ₂ S fluctuation during oxidative stress. <i>Analytica Chimica Acta</i> , 2022, 1202, 339670.	5.4	13
38	One-pot synthesis of a peroxidase-like nanozyme and its application in visual assay for tyrosinase activity. <i>Talanta</i> , 2022, 239, 123088.	5.5	12
39	A water-soluble near-infrared fluorescent probe for monitoring change of hydrogen sulfide during cell damage and repair process. <i>Analytica Chimica Acta</i> , 2022, 1195, 339457.	5.4	12
40	A Chemometric Strategy for Optimization of Solid-Phase Microextraction: Determination of Bisphenol A and 4-Nonylphenol with HPLC. <i>Journal of Chromatographic Science</i> , 2008, 46, 596-600.	1.4	11
41	A near-infrared fluorescent probe based on chloroacetate modified naphthofluorescein for selectively detecting cysteine/homocysteine and its application in living cells. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1393-1399.	2.9	11
42	Preparation of polysulfone materials on nickel foam for solid-phase microextraction of floxacillin in water and biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3127-3133.	3.7	11
43	Synthesis and application of ratio fluorescence probe for chloride. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6507-6516.	3.7	11
44	A filter paper coated with phenylboronic acid-modified mesoporous silica for enrichment of intracellular nucleosides prior to their quantitation by HPLC. <i>Mikrochimica Acta</i> , 2017, 184, 4007-4013.	5.0	9
45	Selective, fast and semi-automatic enrichment of nucleosides by using a phenylboronic acid modified hybrid material composed of graphene oxide and melamine sponge. <i>Mikrochimica Acta</i> , 2018, 185, 348.	5.0	9
46	A dual-signal fluorescent probe for detection of acid phosphatase. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3925-3932.	3.7	9
47	Ratiometric fluorescent detection and imaging of microRNA in living cells with manganese dioxide nanosheet-active DNase. <i>Talanta</i> , 2021, 233, 122518.	5.5	9
48	Molecularly imprinted gelatin nanoparticles for DNA delivery and in-situ fluorescence imaging of telomerase activity. <i>Mikrochimica Acta</i> , 2019, 186, 610.	5.0	8
49	A fluorescent and colorimetric dual-channel sensor based on acid phosphatase-triggered blocking of internal filtration effect. <i>Mikrochimica Acta</i> , 2021, 188, 282.	5.0	8
50	A pH-targeted and NIR-responsive NaCl-nanocarrier for photothermal therapy and ion-interference therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 39, 102460.	3.3	8
51	Preparation, chromatographic evaluation and comparison of cystine- and cysteine-bonded stationary phases. <i>Analytical Methods</i> , 2014, 6, 2205-2214.	2.7	7
52	Fabrication of diverse pH-sensitive functional mesoporous silica for selective removal or depletion of highly abundant proteins from biological samples. <i>Talanta</i> , 2017, 162, 380-389.	5.5	7
53	Fluorescent probes for chloride ions in biological samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 428-434.	3.9	7
54	Facile Fabrication of a Novel and Reusable 3D Laccase Reactor for Efficient Removal of Pollutants from Wastewater. <i>Catalysis Letters</i> , 2019, 149, 2706-2717.	2.6	7

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55	A NIR Turn-on Fluorescent Sensor For Detection of Chloride Ions in <i>in vitro</i> and <i>in vivo</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117729.	3.9	7
56	Organized cryogel composites with 3D hierarchical porosity as an extraction adsorbent for nucleosides. <i>Journal of Separation Science</i> , 2019, 42, 2140-2147.	2.5	6
57	A fluorescent probe for bioimaging of Hexosaminidases activity and exploration of drug-induced kidney injury in living cell. <i>Talanta</i> , 2021, 228, 122189.	5.5	6
58	Gelatin nanoparticles transport DNA probes for detection and imaging of telomerase and microRNA in living cells. <i>Talanta</i> , 2020, 218, 121100.	5.5	6
59	Development of a nitrogen-rich hyperbranched polymer as adsorbent for enrichment and determination of auxins in plants. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1409-1419.	3.7	5
60	Bifunctionalized SBA-15 as a novel micropipette tip sorbent for selective removal and enrichment of biomolecules. <i>Analyst, The</i> , 2011, 136, 4710.	3.5	4
61	Magnetic organic porous polymer as a solid-phase extraction adsorbent for enrichment and quantitation of gastric cancer biomarkers (P-cresol and 4-hydroxybenzoic acid) in urine samples by UPLC. <i>Mikrochimica Acta</i> , 2020, 187, 388.	5.0	4
62	N-quaternization of heterocyclic compound extended the emission to NIR with large Stokes shift and its application in constructing fluorescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120566.	3.9	4
63	A feasible self-assembled near-infrared fluorescence sensor for acid phosphatase detection and cell imaging. <i>Analyst, The</i> , 2021, 146, 5558-5566.	3.5	2
64	One-step self-assembly of magnetic supramolecular metal-organic coordination functionalized MoS ₂ complex as nanoenzyme-reactor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111879.	5.0	2