

Xiaoyan Wang

List of Publications by Year in descending order

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66343

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6545
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic covalent-organic frameworks for the simultaneous extraction of eleven emerging aromatic disinfection byproducts in water samples coupled with UHPLC-MS/MS determination. <i>Journal of Hazardous Materials</i> , 2022, 424, 127687.	12.4	36
2	Molecularly imprinted polymers based materials and their applications in chromatographic and electrophoretic separations. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 146, 116504.	11.4	69
3	Dual-Emissive Near-Infrared Carbon Dot-Based Ratiometric Fluorescence Sensor for Lysozyme. <i>ACS Applied Nano Materials</i> , 2022, 5, 1656-1663.	5.0	29
4	Determination of anionic perfluorinated compounds in water samples using cationic fluorinated metal organic framework membrane coupled with UHPLC-MS/MS. <i>Journal of Hazardous Materials</i> , 2022, 429, 128333.	12.4	23
5	Bronze-Phase TiO ₂ as Anode Materials in Lithium and Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	53
6	Fluorescent probe for mercury ion imaging analysis: Strategies and applications. <i>Chemical Engineering Journal</i> , 2021, 406, 127166.	12.7	117
7	Label-free SERS detection of Raman-Inactive protein biomarkers by Raman reporter indicator: Toward ultrasensitivity and universality. <i>Biosensors and Bioelectronics</i> , 2021, 174, 112825.	10.1	181
8	Molecular Imprinting: Green Perspectives and Strategies. <i>Advanced Materials</i> , 2021, 33, e2100543.	21.0	359
9	On-Off-On Fluorescent Chemosensors Based on N/P-Codoped Carbon Dots for Detection of Microcystin-LR. <i>ACS Applied Nano Materials</i> , 2021, 4, 6852-6860.	5.0	37
10	Ratiometric fluorescence and colorimetry dual-mode assay based on manganese dioxide nanosheets for visual detection of alkaline phosphatase activity. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127176.	7.8	89
11	Fluorescent nanosensor designing via hybrid of carbon dots and post-imprinted polymers for the detection of ovalbumin. <i>Talanta</i> , 2020, 211, 120727.	5.5	53
12	A ratiometric fluorescent probe for detecting the endogenous biological signaling molecule superoxide anion and bioimaging during tumor treatment. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1017-1025.	5.8	15
13	Enhancing anti-interference ability of molecularly imprinted ratiometric fluorescence sensor via differential strategy demonstrated by the detection of bovine hemoglobin. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128581.	7.8	17
14	Detection of hypochlorous acid fluctuation via a selective fluorescent probe in acute lung injury cells and mouse models. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9899-9905.	5.8	23
15	Multi-Walled Carbon Nanotubes for Magnetic Solid-Phase Extraction of Six Heterocyclic Pesticides in Environmental Water Samples Followed by HPLC-DAD Determination. <i>Materials</i> , 2020, 13, 5729.	2.9	20
16	Multi-emitting fluorescence sensor of MnO ₂ -OPD-QD for the multiplex and visual detection of ascorbic acid and alkaline phosphatase. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5554-5561.	5.5	62
17	Facile approach to the synthesis of molecularly imprinted ratiometric fluorescence nanosensor for the visual detection of folic acid. <i>Food Chemistry</i> , 2020, 319, 126575.	8.2	59
18	Rational construction of a triple emission molecular imprinting sensor for accurate naked-eye detection of folic acid. <i>Nanoscale</i> , 2020, 12, 6529-6536.	5.6	49

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19	Rational design of a nitroreductase-activatable two-photon fluorescent probe for hypoxia imaging in cell and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127755.	7.8	23
20	Molecular-Imprinting-Based Surface-Enhanced Raman Scattering Sensors. <i>ACS Sensors</i> , 2020, 5, 601-619.	7.8	139
21	Cationic metal-organic frameworks as an efficient adsorbent for the removal of 2,4-dichlorophenoxyacetic acid from aqueous solutions. <i>Environmental Research</i> , 2020, 186, 109542.	7.5	86
22	Strategies of molecular imprinting-based solid-phase extraction prior to chromatographic analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 128, 115923.	11.4	313
23	Identification of Human IDO1 Enzyme Activity by Using Genetically Encoded Nitrotyrosine. <i>ChemBioChem</i> , 2020, 21, 1593-1596.	2.6	5
24	The strategy of antibody-free biomarker analysis by in-situ synthesized molecularly imprinted polymers on movable valve paper-based device. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111533.	10.1	120
25	Preparation of mixed-matrix membranes from metal organic framework (MIL-53) and poly (vinylidene fluoride) for high performance liquid chromatography. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 834-844.	9.4	51
26	Green multi-functional monomer based ion imprinted polymers for selective removal of copper ions from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 376-386.	9.4	105
27	Dual-template molecularly imprinted polymers for dispersive solid-phase extraction of fluoroquinolones in water samples coupled with high performance liquid chromatography. <i>Analyst</i> , 2019, 144, 1292-1302.	3.5	102
28	Ternary Emission of a Blue-, Green-, and Red-Based Molecular Imprinting Fluorescence Sensor for the Multiplexed and Visual Detection of Bovine Hemoglobin. <i>Analytical Chemistry</i> , 2019, 91, 6561-6568.	6.5	113
29	A carbon dot-based fluorescent nanoprobe for the associated detection of iron ions and the determination of the fluctuation of ascorbic acid induced by hypoxia in cells and in vivo. <i>Analyst</i> , 2019, 144, 6609-6616.	3.5	28
30	Dual-emission color-controllable nanoparticle based molecular imprinting ratiometric fluorescence sensor for the visual detection of Brilliant Blue. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 428-436.	7.8	48
31	Dummy molecularly imprinted polymers based on a green synthesis strategy for magnetic solid-phase extraction of acrylamide in food samples. <i>Talanta</i> , 2019, 195, 390-400.	5.5	302
32	Advanced preparation technologies and strategies for molecularly imprinted materials. <i>Chinese Science Bulletin</i> , 2019, 64, 1352-1367.	0.7	12
33	Strategies of molecular imprinting-based fluorescence sensors for chemical and biological analysis. <i>Biosensors and Bioelectronics</i> , 2018, 112, 54-71.	10.1	288
34	Magnetic solid-phase extraction of heterocyclic pesticides in environmental water samples using metal-organic frameworks coupled to high performance liquid chromatography determination. <i>Journal of Chromatography A</i> , 2018, 1553, 57-66.	3.7	151
35	Ratiometric fluorescence sensor based on dithiothreitol modified carbon dots-gold nanoclusters for the sensitive detection of mercury ions in water samples. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 810-817.	7.8	109
36	Molecular Imprinting Based Hybrid Ratiometric Fluorescence Sensor for the Visual Determination of Bovine Hemoglobin. <i>ACS Sensors</i> , 2018, 3, 378-385.	7.8	157

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37	Quantum dots based imprinting fluorescent nanosensor for the selective and sensitive detection of phycocyanin: A general imprinting strategy toward proteins. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 268-274.	7.8	58
38	Switchable zipper-like thermoresponsive molecularly imprinted polymers for selective recognition and extraction of estradiol. <i>Talanta</i> , 2018, 176, 187-194.	5.5	39
39	Magnetic copper-based metal organic framework as an effective and recyclable adsorbent for removal of two fluoroquinolone antibiotics from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 360-371.	9.4	244
40	Plasmonic colorimetric sensors based on etching and growth of noble metal nanoparticles: Strategies and applications. <i>Biosensors and Bioelectronics</i> , 2018, 114, 52-65.	10.1	281
41	Functional ZnS:Mn(II) quantum dot modified with L-cysteine and 6-mercaptopnicotinic acid as a fluorometric probe for copper(II). <i>Mikrochimica Acta</i> , 2018, 185, 420.	5.0	24
42	Rotational Paper-Based Microfluidic-Chip Device for Multiplexed and Simultaneous Fluorescence Detection of Phenolic Pollutants Based on a Molecular-Imprinting Technique. <i>Analytical Chemistry</i> , 2018, 90, 11827-11834.	6.5	140
43	Thermosensitive molecularly imprinted core-shell CdTe quantum dots as a ratiometric fluorescence nanosensor for phycocyanin recognition and detection in seawater. <i>Analyst</i> , 2018, 143, 3570-3578.	3.5	52
44	Multi-template imprinted polymers for simultaneous selective solid-phase extraction of six phenolic compounds in water samples followed by determination using capillary electrophoresis. <i>Journal of Chromatography A</i> , 2017, 1483, 30-39.	3.7	110
45	One-pot synthesis of a quantum dot-based molecular imprinting nanosensor for highly selective and sensitive fluorescence detection of 4-nitrophenol in environmental waters. <i>Environmental Science: Nano</i> , 2017, 4, 493-502.	4.3	121
46	Magnetic molecularly imprinted polymers for the fluorescent detection of trace 17 β -estradiol in environmental water. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 1309-1315.	7.8	73
47	Molecular imprinting: perspectives and applications. <i>Chemical Society Reviews</i> , 2016, 45, 2137-2211.	38.1	1,788
48	Synthesis of multi-ion imprinted polymers based on dithizone chelation for simultaneous removal of Hg ²⁺ , Cd ²⁺ , Ni ²⁺ and Cu ²⁺ from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 44087-44095.	3.6	48
49	Separation and purification of four tannins from <i>Potentilla parvifolia</i> Fisch. (Rosaceae) using high-speed counter-current chromatography. <i>Separation Science and Technology</i> , 2016, 51, 2020-2027.	2.5	4
50	Separation and Purification of Five Flavone Glucosides and One Lignan from <i>Caragana korshinskii</i> Kom. by the Combination of HSCCC and Semi-preparative RPLC. <i>Chromatographia</i> , 2016, 79, 823-831.	1.3	15
51	Water-compatible temperature and magnetic dual-responsive molecularly imprinted polymers for recognition and extraction of bisphenol A. <i>Journal of Chromatography A</i> , 2016, 1435, 30-38.	3.7	165
52	A molecular imprinting-based turn-on Ratiometric fluorescence sensor for highly selective and sensitive detection of 2,4-dichlorophenoxyacetic acid (2,4-D). <i>Biosensors and Bioelectronics</i> , 2016, 81, 438-444.	10.1	153
53	Extraction and Separation of Vitisin D, Ampelopsin B and <i>cis</i> -Vitisin A from <i>Iris lactea</i> Pall. var. <i>chinensis</i> (Fisch.) Koidz by Alkaline Extraction-Acid Precipitation and High-Speed Counter-Current Chromatography. <i>Journal of Chromatographic Science</i> , 2016, 54, 744-751.	1.4	13
54	Molecular imprinting ratiometric fluorescence sensor for highly selective and sensitive detection of phycocyanin. <i>Biosensors and Bioelectronics</i> , 2016, 77, 624-630.	10.1	80

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55	Application of chromatography technology in the separation of active alkaloids from <i>Hypocym leptocarpum</i> and their inhibitory effect on fatty acid synthase. <i>Journal of Separation Science</i> , 2015, 38, 4063-4070.	2.5	9
56	Rapid separation of three proanthocyanidin dimers from <i>Iris lactea</i> Pall. <i>var. chinensis</i> (Fisch.) Koidz by high-speed counter-current chromatography with continuous sample load and double-pump balancing mode. <i>Phytochemical Analysis</i> , 2015, 26, 444-453.	2.4	13
57	Preparative Separation of <i>N</i> -Feruloyl Serotonin and <i>N</i> -(<i>p</i> -Coumaroyl) Serotonin from Safflower Seed Meal Using High-Speed Counter-Current Chromatography. <i>Journal of Chromatographic Science</i> , 2015, 53, 1341-1345.	1.4	3
58	Efficient Protocol for Isolation of Rhaponticin and Rhapontigenin with Consecutive Sample Injection from Fenugreek (<i>Trigonella foenum-graecum</i> L.) by HSCCC. <i>Journal of Chromatographic Science</i> , 2015, 54, bmv169.	1.4	10
59	One-pot synthesis of magnetic molecularly imprinted microspheres by RAFT precipitation polymerization for the fast and selective removal of 17 β -estradiol. <i>RSC Advances</i> , 2015, 5, 10611-10618.	3.6	71
60	Determination of phthalate esters in environmental water by magnetic Zeolitic Imidazolate Framework-8 solid-phase extraction coupled with high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1409, 46-52.	3.7	108
61	Graphene quantum dots combined with copper(II) ions as a fluorescent probe for turn-on detection of sulfide ions. <i>Mikrochimica Acta</i> , 2015, 182, 2139-2146.	5.0	55
62	Quantum Dots Based Mesoporous Structured Imprinting Microspheres for the Sensitive Fluorescent Detection of Phycocyanin. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9118-9127.	8.0	128
63	Structural Insights into the Molecular Recognition between Cerebral Cavernous Malformation 2 and Mitogen-Activated Protein Kinase Kinase Kinase 3. <i>Structure</i> , 2015, 23, 1087-1096.	3.3	25
64	Separation and purification of four oligostilbenes from <i>Iris lactea</i> Pall. <i>var. chinensis</i> (Fisch.) Koidz by high-speed counter-current chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 988, 127-134.	2.3	20
65	Separation and Purification of Four Flavan-3-ols From <i>Iris Lactea</i> Pall. <i>var. Chinensis</i> (Fisch.) Koidz by High-Speed Counter-Current Chromatography with Flow-Rate Gradient. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 1486-1493.	1.0	8
66	Using Response Surface Methodology to Optimize Countercurrent Chromatographic Separation of Polyphenol Compounds from Fenugreek (<i>Trigonella foenum-graecum</i> L.) Seeds. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 29-35.	1.0	31
67	Novel monodisperse molecularly imprinted shell for estradiol based on surface imprinted hollow vinyl-SiO ₂ particles. <i>Talanta</i> , 2014, 124, 7-13.	5.5	63
68	Isolation and Purification of Six Bioactive Compounds from the Seeds of <i>Trigonella foenum-graecum</i> L. using High-Speed Counter-Current Chromatography. <i>Separation Science and Technology</i> , 2014, 49, 580-587.	2.5	13
69	A sensitive high-performance liquid chromatography method with fluorescence detection for the determination of fatty acids as exemplified for <i>Dendrobium</i> species. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 1155-1163.	1.5	5
70	One-step Preparative Separation of Two Polyhydroxystilbenes from <i>Rheum likiangense</i> Sam. by High-speed Counter-current Chromatography. <i>Phytochemical Analysis</i> , 2012, 23, 684-688.	2.4	7
71	Comprehensive Comparisons between 1-Phenyl-3-methyl-5-pyrazolones, 1-(4-Methoxyphenyl)-3-methyl-5-pyrazolones and 1-(2-Naphthyl)-3-methyl-5-pyrazolones as Labeling Reagents Used in LC-DAD-ESI-MS-MS Analysis of Neutral Aldoses and Uronic Acids. <i>Chromatographia</i> , 2010, 71, 789-797.	1.3	13
72	Extraction of pollen lipids by SFE _{CO₂} and determination of free fatty acids by HPLC. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 155-163.	1.5	11

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73	Comparative Analysis of Allantoin, Quercetin, and 1-Methyl-1,2,3,4-Tetrahydro-2H-Pyrido[1,2-b]Carbazole-3-Carboxylic Acid in <i>Nitraria tangutorum</i> Bobr. Seed by HPLC-APCI-MS and CE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 363-376.	1.0	8
74	Separation and Determination of the Major Active Components in Tibetan Folk Medicinal Species <i>Swertia franchetiana</i> by HPLC with DAD. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 1687-1696.	1.0	7
75	Determination of carbohydrates as their 3-aminophthalhydrazide derivatives by capillary zone electrophoresis with on-line chemiluminescence detection. <i>Journal of Chromatography A</i> , 2003, 992, 181-191.	3.7	28
76	A decade of discovery: the stunning progress of premature ovarian insufficiency research in China. <i>Biology of Reproduction</i> , 0, , .	2.7	2
77	When spermatogenesis meets human aging and elevated body mass., 0, , .		2