

Xiaoyan Wang

List of Publications by Year in descending order

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106
papers

5,687
citations

109137

35
h-index

82410

72
g-index

110
all docs

110
docs citations

110
times ranked

7226
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Imprinting: Green Perspectives and Strategies. <i>Advanced Materials</i> , 2021, 33, e2100543.	11.1	359
2	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.	2.9	302
3	Strategies of molecular imprinting-based fluorescence sensors for chemical and biological analysis. <i>Biosensors and Bioelectronics</i> , 2018, 112, 54-71.	5.3	288
4	Plasmonic colorimetric sensors based on etching and growth of noble metal nanoparticles: Strategies and applications. <i>Biosensors and Bioelectronics</i> , 2018, 114, 52-65.	5.3	281
5	Serum and Urine Metabolite Profiling Reveals Potential Biomarkers of Human Hepatocellular Carcinoma. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.004945.	2.5	267
6	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.	5.0	244
7	Anti-influenza agents from plants and traditional Chinese medicine. <i>Phytotherapy Research</i> , 2006, 20, 335-341.	2.8	188
8	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.	5.3	181
9	Metabolic profiling reveals disorder of amino acid metabolism in four brain regions from a rat model of chronic unpredictable mild stress. <i>FEBS Letters</i> , 2008, 582, 2627-2636.	1.3	164
10	Molecular Imprinting Based Hybrid Ratiometric Fluorescence Sensor for the Visual Determination of Bovine Hemoglobin. <i>ACS Sensors</i> , 2018, 3, 378-385.	4.0	157
11	Real-Time Monitoring of Hierarchical Self-Assembly and Induction of Circularly Polarized Luminescence from Achiral Luminogens. <i>ACS Nano</i> , 2019, 13, 3618-3628.	7.3	157
12	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.	5.3	153
13	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.	1.8	151
14	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.	3.2	140
15	Metabonomic Variations in the Drug-Treated Type 2 Diabetes Mellitus Patients and Healthy Volunteers. <i>Journal of Proteome Research</i> , 2009, 8, 1623-1630.	1.8	123
16	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.	2.2	121
17	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.	5.3	120
18	Mineralized nanofiber segments coupled with calcium-binding BMP-2 peptides for alveolar bone regeneration. <i>Acta Biomaterialia</i> , 2019, 85, 282-293.	4.1	108

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19	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.	3.7	86
20	Transcriptomic and Metabonomic Profiling of Obesity-Prone and Obesity-Resistant Rats under High Fat Diet. <i>Journal of Proteome Research</i> , 2008, 7, 4775-4783.	1.8	81
21	Molecular imprinting ratiometric fluorescence sensor for highly selective and sensitive detection of phycocyanin. <i>Biosensors and Bioelectronics</i> , 2016, 77, 624-630.	5.3	80
22	Protective effect of flavonoids from <i>Scutellaria baicalensis</i> Georgi on cerebral ischemia injury. <i>Journal of Ethnopharmacology</i> , 2006, 108, 355-360.	2.0	77
23	Metabonomics Approach to Understanding Acute and Chronic Stress in Rat Models. <i>Journal of Proteome Research</i> , 2009, 8, 2511-2518.	1.8	66
24	Metabolic Regulatory Network Alterations in Response to Acute Cold Stress and Ginsenoside Intervention. <i>Journal of Proteome Research</i> , 2007, 6, 3449-3455.	1.8	62
25	Codoping Enhanced Radioluminescence of Nanoscintillators for X-ray-Activated Synergistic Cancer Therapy and Prognosis Using Metabolomics. <i>ACS Nano</i> , 2019, 13, 10419-10433.	7.3	62
26	Fluorescent nanosensor designing via hybrid of carbon dots and post-imprinted polymers for the detection of ovalbumin. <i>Talanta</i> , 2020, 211, 120727.	2.9	53
27	The Brain Metabolome of Male Rats across the Lifespan. <i>Scientific Reports</i> , 2016, 6, 24125.	1.6	51
28	Metabolome and gut microbiota variation with long-term intake of <i>Panax ginseng</i> extracts on rats. <i>Food and Function</i> , 2018, 9, 3547-3556.	2.1	50
29	The antidiabetic activity of total lignan from <i>Fructus Arctii</i> against alloxan-induced diabetes in mice and rats. <i>Phytotherapy Research</i> , 2008, 22, 97-101.	2.8	47
30	Metabolic profiling reveals disorder of carbohydrate metabolism in mouse fibroblast cells induced by titanium dioxide nanoparticles. <i>Journal of Applied Toxicology</i> , 2013, 33, 1442-1450.	1.4	44
31	SNHG14 stimulates cell autophagy to facilitate cisplatin resistance of colorectal cancer by regulating miR-186/ATG14 axis. <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109580.	2.5	44
32	Fluorescent probes for biomolecule detection under environmental stress. <i>Journal of Hazardous Materials</i> , 2022, 431, 128527.	6.5	40
33	Metabonomics Approach to Assessing the Modulatory Effects of St John's Wort, Ginsenosides, and Clomipramine in Experimental Depression. <i>Journal of Proteome Research</i> , 2012, 11, 6223-6230.	1.8	39
34	Switchable zipper-like thermoresponsive molecularly imprinted polymers for selective recognition and extraction of estradiol. <i>Talanta</i> , 2018, 176, 187-194.	2.9	39
35	Zinc-Metal Organic Frameworks: A Coreactant-free Electrochemiluminescence Luminophore for Ratiometric Detection of miRNA-133a. <i>Analytical Chemistry</i> , 2021, 93, 14178-14186.	3.2	39
36	Simultaneous determination of 17 ginsenosides in rat urine by ultra performance liquid chromatography-mass spectrometry with solid-phase extraction. <i>Analytica Chimica Acta</i> , 2007, 594, 265-273.	2.6	37

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37	Age-related compositional changes and correlations of gut microbiome, serum metabolome, and immune factor in rats. <i>GeroScience</i> , 2021, 43, 709-725.	2.1	37
38	Onâ€œOffâ€œOn Fluorescent Chemosensors Based on N/P-Codoped Carbon Dots for Detection of Microcystin-LR. <i>ACS Applied Nano Materials</i> , 2021, 4, 6852-6860.	2.4	37
39	Magnetic covalent-organic frameworks for the simultaneous extraction of eleven emerging aromatic disinfection byproducts in water samples coupled with UHPLCâ€œMS/MS determination. <i>Journal of Hazardous Materials</i> , 2022, 424, 127687.	6.5	36
40	Synthesis and evaluation of the α -glucosidase inhibitory activity of 3-[4-(phenylsulfonamido)benzoyl]-2H-1-benzopyran-2-one derivatives. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1250-1255.	2.6	33
41	Dynamic Metabolic Transformation in Tumor Invasion and Metastasis in Mice with LM-8 Osteosarcoma Cell Transplantation. <i>Journal of Proteome Research</i> , 2011, 10, 3513-3521.	1.8	33
42	Strategy for an Association Study of the Intestinal Microbiome and Brain Metabolome Across the Lifespan of Rats. <i>Analytical Chemistry</i> , 2018, 90, 2475-2483.	3.2	32
43	Electrochemiluminescence Resonance Energy Transfer System Based on Silver Metalâ€œOrganic Frameworks as a Double-Amplified Emitter for Sensitive Detection of miRNA-107. <i>Analytical Chemistry</i> , 2022, 94, 1178-1186.	3.2	32
44	Bone-targeting liposome formulation of Salvianic acid A accelerates the healing of delayed fracture Union in Mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2271-2282.	1.7	30
45	Metabonomic Variations Associated with AOM-Induced Precancerous Colorectal Lesions and Resveratrol Treatment. <i>Journal of Proteome Research</i> , 2012, 11, 3436-3448.	1.8	29
46	Surface-enhanced Raman scattering labeled nanoplastic models for reliable bio-nano interaction investigations. <i>Journal of Hazardous Materials</i> , 2022, 425, 127959.	6.5	29
47	Dual-Emissive Near-Infrared Carbon Dot-Based Ratiometric Fluorescence Sensor for Lysozyme. <i>ACS Applied Nano Materials</i> , 2022, 5, 1656-1663.	2.4	29
48	Metabonomic and Metallomic Profiling in the Amniotic Fluid of Malnourished Pregnant Rats. <i>Journal of Proteome Research</i> , 2008, 7, 2151-2157.	1.8	28
49	Urinary Metabolite Variation Is Associated with Pathological Progression of the Post-Hepatitis B Cirrhosis Patients. <i>Journal of Proteome Research</i> , 2012, 11, 3838-3847.	1.8	28
50	Evaluation of metabolite-microbe correlation detection methods. <i>Analytical Biochemistry</i> , 2019, 567, 106-111.	1.1	27
51	Theoretical Prediction of a Phase Diagram for Solid Dispersions. <i>Pharmaceutical Research</i> , 2015, 32, 840-851.	1.7	26
52	Heat-Stress-Induced Metabolic Changes and Altered Male Reproductive Function. <i>Journal of Proteome Research</i> , 2015, 14, 1495-1503.	1.8	24
53	Determination of anionic perfluorinated compounds in water samples using cationic fluorinated metal organic framework membrane coupled with UHPLCâ€œMS/MS. <i>Journal of Hazardous Materials</i> , 2022, 429, 128333.	6.5	23
54	Nephro-protective effect of Kangqianling decoction on chronic renal failure rats. <i>Journal of Ethnopharmacology</i> , 2009, 122, 367-373.	2.0	22

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55	Urinary metabolomic strategy to evaluate Compound Danshen Dripping Pills for myocardial ischaemia in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 112, 98-105.	1.4	22
56	MicroRNA-148b enhances proliferation and apoptosis in human renal cancer cells via directly targeting MAP3K9. <i>Molecular Medicine Reports</i> , 2016, 13, 83-90.	1.1	22
57	Multiparametric analysis of amino acids and organic acids in rat brain tissues using GC/MS. <i>Journal of Separation Science</i> , 2008, 31, 2831-2838.	1.3	21
58	Metabolomics in Cancer Biomarker Research. <i>Current Pharmacology Reports</i> , 2016, 2, 293-298.	1.5	20
59	Galectin-3 contributes to vascular fibrosis in monocrotaline-induced pulmonary arterial hypertension rat model. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, N/A.	1.4	20
60	Development of a Janus Kinase Inhibitor Prodrug for the Treatment of Rheumatoid Arthritis. <i>Molecular Pharmaceutics</i> , 2018, 15, 3456-3467.	2.3	20
61	Toxicometabolomics of Engineered Nanomaterials: Progress and Challenges. <i>Advanced Functional Materials</i> , 2019, 29, 1904268.	7.8	20
62	Amelioration of dry eye syndrome in db/db mice with diabetes mellitus by treatment with Tibetan Medicine Formula Jikan Mingmu Drops. <i>Journal of Ethnopharmacology</i> , 2019, 241, 111992.	2.0	20
63	One-pot syntheses of irida-polycyclic aromatic hydrocarbons. <i>Chemical Science</i> , 2019, 10, 10894-10899.	3.7	20
64	Visualizing and evaluating mitochondrial cysteine via near-infrared fluorescence imaging in cells, tissues and in vivo under hypoxia/reperfusion stress. <i>Journal of Hazardous Materials</i> , 2021, 419, 126476.	6.5	20
65	Hierarchical CoP Nanostructures on Nickel Foam as Efficient Bifunctional Catalysts for Water Splitting. <i>ChemSusChem</i> , 2021, 14, 1094-1102.	3.6	20
66	Metabonomic Strategy to the Evaluation of Chinese Medicine Compound Danshen Dripping Pills Interfering Myocardial Ischemia in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-10.	0.5	19
67	Evaluate the bisphenol A-induced redox state in cells, zebrafish and in vivo with a hydrogen peroxide turn-on fluorescent probe. <i>Journal of Hazardous Materials</i> , 2022, 424, 127425.	6.5	18
68	Metabonomics Approach to Assessing the Modulatory Effects of Kisspeptin-10 on Liver Injury Induced by Heat Stress in Rats. <i>Scientific Reports</i> , 2017, 7, 7020.	1.6	17
69	GC/TOFMS Analysis of Endogenous Metabolites in Mouse Fibroblast Cells and Its Application in TiO ₂ Nanoparticle-Induced Cytotoxicity Study. <i>Chromatographia</i> , 2012, 75, 1301-1310.	0.7	16
70	Design, synthesis, and antifungal activities of novel triazole derivatives containing the benzyl group. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1459.	2.0	16
71	Antiangiogenesis Combined with Inhibition of the Hypoxia Pathway Facilitates Low-Dose, X-ray-Induced Photodynamic Therapy. <i>ACS Nano</i> , 2021, 15, 11112-11125.	7.3	16
72	Design, synthesis, biological evaluation and pharmacophore model analysis of novel tetrahydropyrrolo[3,4-c]pyrazol derivatives as potential TRKs inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113627.	2.6	16

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73	Standardized Rat Model Testing Effects of Inflammation and Grafting on Extraction Healing. Journal of Periodontology, 2017, 88, 799-807.	1.7	15
74	Delayed ¹⁸ F FDG PET/CT Imaging in the Assessment of Residual Tumors after Transurethral Resection of Bladder Cancer. Radiology, 2019, 293, 144-150.	3.6	15
75	Chitosan-Gelatin Scaffolds Incorporating Decellularized Platelet-Rich Fibrin Promote Bone Regeneration. ACS Biomaterials Science and Engineering, 2019, 5, 5305-5315.	2.6	14
76	Biotransformation mechanism of Vibrio diabolicus to sulfamethoxazole at transcriptional level. Journal of Hazardous Materials, 2021, 411, 125023.	6.5	14
77	Metabolic profiling reveals the protective effect of diammonium glycyrrhizinate on acute hepatic injury induced by carbon tetrachloride. Metabolomics, 2011, 7, 226-236.	1.4	13
78	Genome-wide profiling reveals cancer-related genes with switched alternative polyadenylation sites in colorectal cancer. OncoTargets and Therapy, 2018, Volume 11, 5349-5357.	1.0	13
79	Bibliometric analysis of microbial sulfonamide degradation: Development, hotspots and trend directions. Chemosphere, 2022, 293, 133598.	4.2	13
80	Polystyrene nanoplastics demonstrate high structural stability in vivo: A comparative study with silica nanoparticles via SERS tag labeling. Chemosphere, 2022, 300, 134567.	4.2	13
81	Urinary Metabolite Profiling Offers Potential for Differentiation of Liver-Kidney Yin Deficiency and Dampness-Heat Internal Smoldering Syndromes in Posthepatitis B Cirrhosis Patients. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-11.	0.5	12
82	Facile synthesis of dual-ligand terbium-organic gels as ratiometric fluorescence probes for efficient mercury detection. Journal of Hazardous Materials, 2022, 436, 129080.	6.5	12
83	Serum and Urine Metabolite Profiling Reveals Potential Biomarkers of Human Hepatocellular Carcinoma*. Molecular and Cellular Proteomics, 2011, 10, A110.004945.	2.5	11
84	Hydrological Response of Sloping Farmlands with Different Rock Fragment Covers in the Purple Soil Area of China. Journal of Hydrologic Engineering - ASCE, 2013, 18, 446-456.	0.8	11
85	Metabonomics Approach to Assessing the Metabolism Variation and Endoexogenous Metabolic Interaction of Ginsenosides in Cold Stress Rats. Journal of Proteome Research, 2016, 15, 1842-1852.	1.8	11
86	Metabonomics Approach To Comparing the Antistress Effects of Four <i>Panax ginseng</i> Components in Rats. Journal of Proteome Research, 2018, 17, 813-821.	1.8	11
87	lncRNA FLVCR1-AS1 drives colorectal cancer progression via modulation of the miR-381/RAP2A axis. Molecular Medicine Reports, 2020, 23, .	1.1	11
88	Human gouty arthritis is associated with a distinct serum trace elemental profile. Metallomics, 2012, 4, 244.	1.0	10
89	Synthesis and antifungal activity of novel 7-O-substituted pyridyl-4-methyl coumarin derivatives. Medicinal Chemistry Research, 2013, 22, 4654-4662.	1.1	10
90	PFMG1 promotes osteoblast differentiation and prevents osteoporotic bone loss. FASEB Journal, 2018, 32, 838-849.	0.2	10

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91	Prognostic Values of TIGAR Expression and ¹⁸ F-FDG PET/CT in Clear Cell Renal Cell Carcinoma. <i>Journal of Cancer</i> , 2020, 11, 1-8.	1.2	10
92	Using Chinese natural products for diabetes mellitus drug discovery and development. <i>Expert Opinion on Drug Discovery</i> , 2007, 2, 977-986.	2.5	9
93	The effects of kisspeptin-10 on serum metabolism and myocardium in rats. <i>PLoS ONE</i> , 2017, 12, e0179164.	1.1	9
94	Age-related functional changes of intestinal flora in rats. <i>FEMS Microbiology Letters</i> , 2021, 368, .	0.7	9
95	Crystalline Covalent Triazine Frameworks with Fibrous Morphology via a Low-Temperature Polycondensation of Planar Monomer. <i>Small</i> , 2022, 18, e2200984.	5.2	9
96	Near-Infrared Fluorescent Probe for Imaging and Evaluating the Role of Vanin-1 in Chemotherapy. <i>Analytical Chemistry</i> , 2021, 93, 10378-10387.	3.2	8
97	Multifunctional (Fe _{0.5} Ni _{0.5})S ₂ nanocrystal catalysts with high catalytic activities for reduction of I ₃ ⁻ and electrochemical water splitting. <i>Research on Chemical Intermediates</i> , 2018, 44, 4307-4322.	1.3	6
98	Indirect Electrochemical Determination of Ribavirin Using Boronic Acid-Diol Recognition on a 3-Aminophenylboronic Acid-Electrochemically Reduced Graphene Oxide Modified Glassy Carbon Electrode (APBA/ERGO/GCE). <i>Analytical Letters</i> , 2019, 52, 1900-1913.	1.0	6
99	Electronic Properties of Oxidized Cyclometalated Iridium Complexes: Spin Delocalization Controlled by the Mutual Position of the Iridium Centers. <i>Chemistry - A European Journal</i> , 2020, 26, 4567-4575.	1.7	6
100	THz spectra of parabens at low temperature. <i>Science China Information Sciences</i> , 2012, 55, 114-119.	2.7	4
101	New AIE-Active Copolymers with Au(I) Isocyanide Acrylate Units. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1490-1496.	1.9	4
102	An aggregation-induced emission fluorescence probe for evaluating the effect of CYP450 changes under tumor chemotherapy. <i>Talanta</i> , 2022, 239, 123111.	2.9	4
103	Echinacea purpurea Extract Affects the Immune System, Global Metabolome, and Gut Microbiome in Wistar Rats. <i>Journal of Agricultural Science</i> , 2017, 9, 1.	0.1	1
104	Comprehensive comparison of classifiers for metabolic profiling analysis. , 2010, , .		0
105	Feasibility analysis of testing the velocity of moving objects with modulated laser. , 2010, , .		0
106	Feasibility analysis of using modulated laser to test the velocity of moving objects. , 2010, , .		0