

Jing Sun

List of Publications by Year in descending order

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88
papers

2,410
citations

201674

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all docs

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docs citations

89
times ranked

2385
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable assembly metal-organic frameworks and gold nanoparticles composites for sensitive immunochromatographic assay. Food Chemistry, 2022, 367, 130737.	8.2	18
2	Enhanced functional properties of chitosan films incorporated with curcumin-loaded hollow graphitic carbon nitride nanoparticles for bananas preservation. Food Chemistry, 2022, 366, 130539.	8.2	51
3	Konjac glucomannan films with quasi-pasteurization function for tangerines preservation. Food Chemistry, 2022, 367, 130622.	8.2	13
4	Mechanism investigation for ultra-efficient photocatalytic water disinfection based on rational design of indirect Z-scheme heterojunction black phosphorus QDs/Cu ₂ O nanoparticles. Journal of Hazardous Materials, 2022, 424, 127281.	12.4	24
5	Bioresource-derived tannic acid-supported immuno-network in lateral flow immunoassay for sensitive clenbuterol monitoring. Food Chemistry, 2022, 382, 132390.	8.2	20
6	The Potential Roles of Unique Leaf Structure for the Adaptation of Rheum tanguticum Maxim. ex Balf. in Qinghaiâ€™Tibetan Plateau. Plants, 2022, 11, 512.	3.5	3
7	Cascade amplification strategy combined with analyte-triggered fluorescence switching of dual-quenching system for highly sensitive detection of isoniazide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 276, 121234.	3.9	2
8	Nature-inspired nanozymes as signal markers for in-situ signal amplification strategy: A portable dual-colorimetric immunochromatographic analysis based on smartphone. Biosensors and Bioelectronics, 2022, 210, 114289.	10.1	27
9	A one-pot synthesis of PEGylated plasmonic WO ₃ @Eugenol nanoflowers with NIR-controllable antioxidant activities for synergetically combating bacterial biofilm infection. Inorganic Chemistry Frontiers, 2022, 9, 3808-3819.	6.0	1
10	Aerogel doped by sulfur-functionalized graphene oxide with convenient separability for efficient patulin removal from apple juice. Food Chemistry, 2021, 338, 127785.	8.2	16
11	Rational design of smart adsorbent equipped with a sensitive indicator via ligand exchange: A hierarchical porous mixed-ligand MOF for simultaneous removal and detection of Hg ²⁺ . Nano Research, 2021, 14, 1523-1532.	10.4	38
12	A sustainable and nondestructive method to high-throughput decolor Lycium barbarum L. polysaccharides by graphene-based nano-decoloration. Food Chemistry, 2021, 338, 127749.	8.2	7
13	Chemerin reverses the malignant phenotype and induces differentiation of human hepatoma SMMC7721 cells. Archives of Pharmacal Research, 2021, 44, 194-204.	6.3	6
14	A ratiometric fluorescence assay for bleomycin based on Cu ²⁺ -triggered cascade reactions and nanoparticle-mediated autocatalytic reactions. New Journal of Chemistry, 2021, 45, 13620-13625.	2.8	3
15	12-Plex UHPLC-MS/MS analysis of sarcosine in human urine using integrated principle of multiplex tags chemical isotope labeling and selective imprint enriching. Talanta, 2021, 224, 121788.	5.5	18
16	Ce ⁴⁺ -triggered cascade reaction for ratiometric fluorescence detection of alendronate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 251, 119437.	3.9	5
17	A ratiometric fluorescence assay for bleomycin based on dual-emissive chameleon DNA-templated silver nanoclusters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119521.	3.9	7
18	Fluorescent DNA-templated silver nanoclusters for highly sensitive detection of D-penicillamine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 253, 119584.	3.9	9

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19	Acid-Induced Self-Catalyzing Platform Based on Dextran-Coated Copper Peroxide Nanoaggregates for Biofilm Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29269-29280.	8.0	21
20	Lateral flow immunoassay for furazolidone point-of-care testing: Cater to the call of saving time, labor, and cost by coomassie brilliant blue labeling. <i>Food Chemistry</i> , 2021, 352, 129415.	8.2	16
21	Enhanced antimicrobial activity of konjac glucomannan nanocomposite films for food packaging. <i>Carbohydrate Polymers</i> , 2021, 267, 118215.	10.2	27
22	<sc>BSC2</sc> induces multidrug resistance via contributing to the formation of biofilm in <sc>Saccharomyces cerevisiae</sc>. <i>Cellular Microbiology</i> , 2021, 23, e13391.	2.1	1
23	Visible light responsive, self-activated bionanocomposite films with sustained antimicrobial activity for food packaging. <i>Food Chemistry</i> , 2021, 362, 130201.	8.2	33
24	Competitive Lateral Flow Immunoassay Relying on Au@SiO ₂ Janus Nanoparticles with an Asymmetric Structure and Function for Furazolidone Residue Monitoring. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 511-519.	5.2	23
25	Gentiana straminea Maxim. polysaccharide decolored via high-throughput graphene-based column and its anti-inflammatory activity. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1727-1733.	7.5	8
26	Surface Oxygen Functionalization of Carbon Cloth toward Enhanced Electrochemical Dopamine Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16063-16072.	6.7	26
27	Turn-on fluorescent assay for antioxidants based on their inhibiting polymerization of dopamine on graphene quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117516.	3.9	14
28	Quadruplex stable isotope derivatization strategy for the determination of panaxadiol and panaxatriol in foodstuffs and medicinal materials using ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1616, 460794.	3.7	65
29	Conductive polyaniline-graphene oxide sorbent for electrochemically assisted solid-phase extraction of lead ions in aqueous food samples. <i>Analytica Chimica Acta</i> , 2020, 1100, 57-65.	5.4	32
30	Nanozyme amplification mediated on-demand multiplex lateral flow immunoassay with dual-readout and broadened detection range. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112610.	10.1	67
31	Convenient and sensitive colorimetric determination of alendronate sodium with Ce ⁴⁺ -triggered oxidation of TMB. <i>New Journal of Chemistry</i> , 2020, 44, 12962-12966.	2.8	7
32	Aluminum induces oxidative damage in <sc>Saccharomyces cerevisiae</sc>. <i>Canadian Journal of Microbiology</i> , 2020, 66, 713-722.	1.7	5
33	13-Plex UHPLC-MS/MS Analysis of Hexanal and Heptanal Using Multiplex Tags Chemical Isotope Labeling Technology. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1965-1973.	2.8	9
34	Developing a Simple Immunochromatography Assay for Clenbuterol with Sensitivity by One-Step Staining. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 15509-15515.	5.2	18
35	8-Plex stable isotope labeling absolute quantitation strategy combined with dual-targeted recognizing function material for simultaneous separation and determination of glucosylsphingosine and galactosylsphingosine in human plasma. <i>Analytica Chimica Acta</i> , 2020, 1124, 40-51.	5.4	11
36	9-Plex ultra high performance liquid chromatography tandem mass spectrometry determination of free hydroxyl polycyclic aromatic hydrocarbons in human plasma and urine. <i>Journal of Chromatography A</i> , 2020, 1623, 461182.	3.7	17

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37	A novel method to rapidly evaluate the quality of the traditional Chinese medicine <i>Gentiana straminea</i> Maxim. using near infrared spectroscopy coupled with chemometrics. <i>Spectroscopy Letters</i> , 2020, 53, 494-504.	1.0	3
38	Multiplexed derivatization strategy-based dummy molecularly imprinted polymers as sorbents for magnetic dispersive solid phase extraction of globotriaosylsphingosine prior to UHPLC-MS/MS quantitation. <i>Mikrochimica Acta</i> , 2020, 187, 373.	5.0	9
39	Functional nanozyme mediated multi-readout and label-free lateral flow immunoassay for rapid detection of <i>Escherichia coli</i> O157:H7. <i>Food Chemistry</i> , 2020, 329, 127224.	8.2	63
40	In Situ Cascade Derivation toward a Hierarchical Layered Double Hydroxide Magnetic Absorbent for High-Performance Protein Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4966-4974.	6.7	37
41	An Integrating Platform of Ratiometric Fluorescent Adsorbent for Unconventional Real-Time Removing and Monitoring of Copper Ions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13189-13199.	8.0	46
42	Derivatization-based magnetic dummy molecularly imprinted polymers integrated with 4-plex stable isotope labeling derivatization strategy for specific and rapid determination of L-hydroxyproline in human serum. <i>Analytica Chimica Acta</i> , 2020, 1127, 57-68.	5.4	16
43	Aspirin Causes Lipid Accumulation and Damage to Cell Membrane by Regulating <i>DCI1</i> in <i>Saccharomyces cerevisiae</i> . <i>Microbial Drug Resistance</i> , 2020, 26, 857-868.	2.0	4
44	Polydopamine nanospheres as high-affinity signal tag towards lateral flow immunoassay for sensitive furazolidone detection. <i>Food Chemistry</i> , 2020, 315, 126310.	8.2	54
45	Nanostructured morphology control and phase transition of zeolitic imidazolate frameworks as an ultra-high performance adsorbent for water purification. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2667-2674.	6.0	26
46	Mixed-Valence Ce-BPyDC Metal-Organic Framework with Dual Enzyme-like Activities for Colorimetric Biosensing. <i>Inorganic Chemistry</i> , 2019, 58, 11382-11388.	4.0	89
47	Highly efficient and cost-effective removal of patulin from apple juice by surface engineering of diatomite with sulfur-functionalized graphene oxide. <i>Food Chemistry</i> , 2019, 300, 125111.	8.2	22
48	Surface Engineering of Carbon Fiber Paper toward Exceptionally High-Performance and Stable Electrochemical Nitrite Sensing. <i>ACS Sensors</i> , 2019, 4, 2980-2987.	7.8	63
49	NH ₂ -MIL-53(Al) Metal-Organic Framework as the Smart Platform for Simultaneous High-Performance Detection and Removal of Hg ²⁺ . <i>Inorganic Chemistry</i> , 2019, 58, 12573-12581.	4.0	128
50	Succession of oral microbiota community as a tool to estimate postmortem interval. <i>Scientific Reports</i> , 2019, 9, 13063.	3.3	29
51	An advanced and universal method to high-efficiently deproteinize plant polysaccharides by dual-functional tannic acid-Fe(III) complex. <i>Carbohydrate Polymers</i> , 2019, 226, 115283.	10.2	27
52	A convenient fluorescent assay for quinolones based on their inhibition towards the oxidase-like activity of Cu ²⁺ . <i>New Journal of Chemistry</i> , 2019, 43, 3707-3712.	2.8	11
53	Amorphous Fe/Mn bimetal-organic frameworks: outer and inner structural designs for efficient arsenic(III) removal. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2845-2854.	10.3	118
54	Self-ZIF template-directed synthesis of a CoS nanoflake array as a Janus electrocatalyst for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2090-2095.	6.0	42

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55	Studies of hTERT DNA methylation assays on the human age prediction. <i>International Journal of Legal Medicine</i> , 2019, 133, 1333-1339.	2.2	5
56	Two-Dimensional Zeolitic Imidazolate Framework-L-Derived Iron-Cobalt Oxide Nanoparticle-Composed Nanosheet Array for Water Oxidation. <i>Inorganic Chemistry</i> , 2019, 58, 6231-6237.	4.0	7
57	High-performance electrochemical nitrite sensing enabled using commercial carbon fiber cloth. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1501-1506.	6.0	18
58	Label-free strip sensor based on surface positively charged nitrogen-rich carbon nanoparticles for rapid detection of <i>Salmonella enteritidis</i> . <i>Biosensors and Bioelectronics</i> , 2019, 132, 360-367.	10.1	74
59	A novel and sensitive fluorescent assay for artemisinin with graphene quantum dots based on inner filter effect. <i>Talanta</i> , 2019, 200, 163-168.	5.5	29
60	Stable isotope labeling derivatization coupled with magnetic dispersive solid phase extraction for the determination of hydroxyl-containing cholesterol and metabolites by in vivo microdialysis and ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1594, 23-33.	3.7	22
61	Synthesis and discovery of asiatic acid based 1,2,3-triazole derivatives as antitumor agents blocking NF- κ B activation and cell migration. <i>MedChemComm</i> , 2019, 10, 584-597.	3.4	19
62	Colorimetric determination of the activities of tyrosinase and catalase via substrate-triggered decomposition of MnO ₂ nanosheets. <i>Mikrochimica Acta</i> , 2019, 186, 848.	5.0	18
63	Portable Colorimetric Detection of Mercury(II) Based on a Non-Noble Metal Nanozyme with Tunable Activity. <i>Inorganic Chemistry</i> , 2019, 58, 1638-1646.	4.0	118
64	Predominant patterns of splicing evolution on human, chimpanzee and macaque evolutionary lineages. <i>Human Molecular Genetics</i> , 2018, 27, 1474-1485.	2.9	18
65	Simple and label-free fluorescence detection of ascorbic acid in rat brain microdialysates in the presence of catecholamines. <i>New Journal of Chemistry</i> , 2018, 42, 3851-3856.	2.8	25
66	A turn-on fluorescence sensor for ascorbic acid based on graphene quantum dots via fluorescence resonance energy transfer. <i>Analytical Methods</i> , 2018, 10, 611-616.	2.7	28
67	Effective Enrichment and Detection of Trace Polycyclic Aromatic Hydrocarbons in Food Samples based on Magnetic Covalent Organic Framework Hybrid Microspheres. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3572-3580.	5.2	124
68	Core-shell magnetic molecularly imprinted polymers used rhodamine B hydroxyproline derivate as template combined with in situ derivatization for the specific measurement of L-hydroxyproline. <i>Journal of Chromatography A</i> , 2018, 1532, 30-39.	3.7	24
69	A critical role for very long-chain fatty acid elongases in oleic acid-mediated <i>Saccharomyces cerevisiae</i> cytotoxicity. <i>Microbiological Research</i> , 2018, 207, 1-7.	5.3	10
70	Magnetic covalent organic framework material: synthesis and application as a sorbent for polycyclic aromatic hydrocarbons. <i>Analytical Methods</i> , 2018, 10, 5014-5024.	2.7	40
71	Ultrasensitive colorimetric sensing strategy based on ascorbic acid triggered remarkable photoactive-nanoperoxidase for signal amplification and its application to L-glucosidase activity detection. <i>Talanta</i> , 2018, 190, 103-109.	5.5	29
72	Clioquinol induces G2/M cell cycle arrest through the up-regulation of TDH3 in <i>Saccharomyces cerevisiae</i> . <i>Microbiological Research</i> , 2018, 214, 1-7.	5.3	9

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73	Molecular beacon-templated silver nanoclusters as a fluorescent probe for determination of bleomycin via DNA scission. <i>Mikrochimica Acta</i> , 2018, 185, 403.	5.0	23
74	Cu ²⁺ modulated DNA-templated silver nanoclusters as a turn-on fluorescence probe for the detection of quinolones. <i>Analytical Methods</i> , 2018, 10, 4183-4188.	2.7	13
75	Separation of six xanthenes from <i>Swertia franchetiana</i> by high-speed countercurrent chromatography. <i>Journal of Separation Science</i> , 2017, 40, 2515-2521.	2.5	13
76	Analysis of amino acid and monoamine neurotransmitters and their metabolites in rat urine of Alzheimer's disease using in situ ultrasound-assisted derivatization dispersive liquid-liquid microextraction with UHPLC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 135, 186-198.	2.8	37
77	A simple and novel colorimetric assay for tyrosinase and inhibitor screening using 3,3',5,5'-tetramethylbenzidine as a chromogenic probe. <i>Talanta</i> , 2017, 175, 457-462.	5.5	31
78	Rapid and sensitive determination of phytosterols in functional foods and medicinal herbs by using UHPLC-MS/MS with microwave-assisted derivatization combined with dual ultrasound-assisted dispersive liquid-liquid microextraction. <i>Journal of Separation Science</i> , 2017, 40, 725-732.	2.5	26
79	First separation of four aromatic acids and two analogues with similar structures and polarities from <i>Clematis akebioides</i> by high-speed counter-current chromatography. <i>Journal of Separation Science</i> , 2016, 39, 4660-4666.	2.5	8
80	In situ derivatization-ultrasound-assisted dispersive liquid-liquid microextraction for the determination of neurotransmitters in Parkinson's rat brain microdialysates by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1458, 70-81.	3.7	40
81	Simultaneous Determination of Food-Related Biogenic Amines and Precursor Amino Acids Using in Situ Derivatization Ultrasound-Assisted Dispersive Liquid-Liquid Microextraction by Ultra-High-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8225-8234.	5.2	35
82	Sensitive and accurate determination of neurotransmitters from in vivo rat brain microdialysate of Parkinson's disease using in situ ultrasound-assisted derivatization dispersive liquid-liquid microextraction by UHPLC-MS/MS. <i>RSC Advances</i> , 2016, 6, 108635-108644.	3.6	26
83	Dual ultrasonic-assisted dispersive liquid-liquid microextraction coupled with microwave-assisted derivatization for simultaneous determination of 20(S)-protopanaxadiol and 20(S)-protopanaxatriol by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1437, 49-57.	3.7	37
84	One-Step Isolation and Purification of Four Xanthone Glycosides from Tibetan Medicinal Plant <i>Halenia elliptica</i> by High-Speed Counter-Current Chromatography. <i>Separation Science and Technology</i> , 2014, 49, 1119-1124.	2.5	3
85	Application of high-speed counter-current chromatography combined with macroporous resin for rapid enrichment and separation of three anthraquinone glycosides and one stilbene glycoside from <i>Rheum tanguticum</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 957, 90-95.	2.3	18
86	Determination of Boron Using Headspace Liquid Phase Micro-Sublimation Coupled with Inductively Coupled Plasma Optical Emission Spectrometry. <i>Analytical Letters</i> , 2013, 46, 2610-2619.	1.8	5
87	LC-ESI-MS Determination of 20 Free Amino Acids in Tibetan Medicine <i>Gentiana dahurica</i> with Pre-Column Fluorescence Derivatization. <i>Chromatographia</i> , 2009, 70, 1627-1633.	1.3	10
88	Determination of 30 Free Fatty Acids in Two Famous Tibetan Medicines by HPLC with Fluorescence Detection and Mass Spectrometric Identification. <i>Chromatographia</i> , 2007, 65, 469-476.	1.3	13