

Jianqiao Xu

List of Publications by Year in descending order

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78
papers

2,734
citations

159358

30
h-index

189595

50
g-index

78
all docs

78
docs citations

78
times ranked

2770
citing authors

#	ARTICLE	IF	CITATIONS
1	Exceptional Hydrophobicity of a Large-Pore Metal-Organic Zeolite. <i>Journal of the American Chemical Society</i> , 2015, 137, 7217-7223.	6.6	270
2	New materials in solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 68-83.	5.8	196
3	Application of nanomaterials in sample preparation. <i>Journal of Chromatography A</i> , 2013, 1300, 2-16.	1.8	186
4	Synthesis and application of magnetic molecularly imprinted polymers in sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3991-4014.	1.9	93
5	Applications of in vivo and in vitro solid-phase microextraction techniques in plant analysis: A review. <i>Analytica Chimica Acta</i> , 2013, 794, 1-14.	2.6	90
6	Quantification of the combined toxic effect of polychlorinated biphenyls and nano-sized polystyrene on <i>Daphnia magna</i> . <i>Journal of Hazardous Materials</i> , 2019, 364, 531-536.	6.5	84
7	Highly efficient photosynthesis of hydrogen peroxide in ambient conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	80
8	Application of in vivo solid-phase microextraction in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 26-35.	5.8	73
9	A novel probe based on phenylboronic acid functionalized carbon nanotubes for ultrasensitive carbohydrate determination in biofluids and semi-solid biotissues. <i>Chemical Science</i> , 2016, 7, 1487-1495.	3.7	63
10	Solid-phase microextraction of antibiotics from fish muscle by using MIL-101(Cr)NH ₂ -polyacrylonitrile fiber and their identification by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2019, 1047, 62-70.	2.6	62
11	Bioinspired Polydopamine Sheathed Nanofibers for High-Efficient in Vivo Solid-Phase Microextraction of Pharmaceuticals in Fish Muscle. <i>Analytical Chemistry</i> , 2015, 87, 3453-3459.	3.2	58
12	Porous organic polymers with different pore structures for sensitive solid-phase microextraction of environmental organic pollutants. <i>Analytica Chimica Acta</i> , 2017, 989, 21-28.	2.6	56
13	Fabrication of a polymeric composite incorporating metal-organic framework nanosheets for solid-phase microextraction of polycyclic aromatic hydrocarbons from water samples. <i>Analytica Chimica Acta</i> , 2017, 971, 48-54.	2.6	55
14	In vivo tracing of organochloride and organophosphorus pesticides in different organs of hydroponically grown malabar spinach (<i>Basella alba</i> L.). <i>Journal of Hazardous Materials</i> , 2016, 316, 52-59.	6.5	53
15	In Vivo Tracing Uptake and Elimination of Organic Pesticides in Fish Muscle. <i>Environmental Science & Technology</i> , 2014, 48, 8012-8020.	4.6	52
16	Bioinspired Polyelectrolyte-Assembled Graphene-Oxide-Coated C18 Composite Solid-Phase Microextraction Fibers for In Vivo Monitoring of Acidic Pharmaceuticals in Fish. <i>Analytical Chemistry</i> , 2016, 88, 5841-5848.	3.2	52
17	Exploitation of a microporous organic polymer as a stationary phase for capillary gas chromatography. <i>Analytica Chimica Acta</i> , 2016, 902, 205-211.	2.6	51
18	Rapid in vivo determination of fluoroquinolones in cultured puffer fish (<i>Takifugu obscurus</i>) muscle by solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2017, 175, 550-556.	2.9	51

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19	A graphene oxide-based polymer composite coating for highly-efficient solid phase microextraction of phenols. <i>Analytica Chimica Acta</i> , 2018, 1015, 20-26.	2.6	49
20	Visible-Light Driven Efficient Overall H ₂ O ₂ Production on Modified Graphitic Carbon Nitride under Ambient Conditions. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119726.	10.8	45
21	Hierarchical Graphene coating for highly sensitive solid phase microextraction of organochlorine pesticides. <i>Talanta</i> , 2016, 160, 217-224.	2.9	42
22	Boronic Acid Decorated Defective Metal-Organic Framework Nanoreactors for High-Efficiency Carbohydrates Separation and Labeling. <i>Advanced Functional Materials</i> , 2017, 27, 1702126.	7.8	42
23	Isorecticular bio-MOF 100-102 coated solid-phase microextraction fibers for fast and sensitive determination of organic pollutants by the pore structure dominated mechanism. <i>Analyst</i> , The, 2015, 140, 4384-4387.	1.7	41
24	Rapid in vivo determination of tetrodotoxin in pufferfish (Fugu) muscle by solid-phase microextraction coupled to high-performance liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2017, 171, 179-184.	2.9	40
25	Novel solid-phase microextraction fiber coatings: A review. <i>Journal of Separation Science</i> , 2022, 45, 282-304.	1.3	40
26	Recent development in sample preparation techniques for plant hormone analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 224-233.	5.8	39
27	Graphene Oxide-Supported Lanthanide Metal-Organic Frameworks with Boosted Stabilities and Detection Sensitivities. <i>Analytical Chemistry</i> , 2020, 92, 15550-15557.	3.2	38
28	A solar-to-chemical conversion efficiency up to 0.26% achieved in ambient conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	37
29	Peanut shell-derived biochar materials for effective solid-phase microextraction of polycyclic aromatic hydrocarbons in environmental waters. <i>Talanta</i> , 2019, 202, 90-95.	2.9	35
30	Recent advances in sample preparation techniques for quantitative detection of pharmaceuticals in biological samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 142, 116318.	5.8	33
31	Efficient solid phase microextraction of organic pollutants based on graphene oxide/chitosan aerogel. <i>Analytica Chimica Acta</i> , 2022, 1195, 339462.	2.6	32
32	In vivo tracing of organophosphorus pesticides in cabbage (<i>Brassica parachinensis</i>) and aloe (<i>Barbadensis</i>). <i>Science of the Total Environment</i> , 2016, 550, 1134-1140.	3.9	29
33	Disposable solid-phase microextraction fiber coupled with gas chromatography-mass spectrometry for complex matrix analysis. <i>Analytical Methods</i> , 2014, 6, 4895-4900.	1.3	28
34	Rapid detection of five anesthetics in tilapias by in vivo solid phase microextraction coupling with gas chromatography-mass spectrometry. <i>Talanta</i> , 2017, 168, 263-268.	2.9	28
35	Enhancing enrichment ability of a nanoporous carbon based solid-phase microextraction device by a morphological modulation strategy. <i>Analytica Chimica Acta</i> , 2019, 1047, 1-8.	2.6	25
36	Polyelectrolyte Microcapsules Dispersed in Silicone Rubber for in Vivo Sampling in Fish Brains. <i>Analytical Chemistry</i> , 2015, 87, 10593-10599.	3.2	24

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37	Determination of four salicylic acids in aloe by in vivo solid phase microextraction coupling with liquid chromatography-photodiode array detection. <i>Talanta</i> , 2018, 184, 520-526.	2.9	24
38	Headspace solid-phase microextraction of semi-volatile ultraviolet filters based on a superhydrophobic metal-organic framework stable in high-temperature steam. <i>Talanta</i> , 2020, 219, 121175.	2.9	24
39	MOF-74/polystyrene-derived Ni-doped hierarchical porous carbon for structure-oriented extraction of polycyclic aromatic hydrocarbons and their metabolites from human biofluids. <i>Journal of Hazardous Materials</i> , 2022, 424, 127465.	6.5	22
40	Development of an on-site detection approach for rapid and highly sensitive determination of persistent organic pollutants in real aquatic environment. <i>Analytica Chimica Acta</i> , 2019, 1050, 88-94.	2.6	21
41	PLGA-based nanofibers with a biomimetic polynoradrenaline sheath for rapid <i>in vivo</i> sampling of tetrodotoxin and sulfonamides in pufferfish. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3655-3664.	2.9	20
42	Facile Synthesis of a Fluorinated Squaramide Covalent Organic Framework for the Highly Efficient and Broad Spectrum Removal of Per- and Polyfluoroalkyl Pollutants. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
43	Study of complex matrix effect on solid phase microextraction for biological sample analysis. <i>Journal of Chromatography A</i> , 2015, 1411, 34-40.	1.8	18
44	Boronate Affinity Molecularly Imprinted Biocompatible Probe: An Alternative for Specific Glucose Monitoring. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2240-2245.	1.7	17
45	Spontaneous exciton dissociation in organic photocatalyst under ambient conditions for highly efficient synthesis of hydrogen peroxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	17
46	Rapid Determination of Clenbuterol in Pork by Direct Immersion Solid-Phase Microextraction Coupled with Gas Chromatography-Mass Spectrometry. <i>Journal of Chromatographic Science</i> , 2016, 54, bmv126.	0.7	16
47	Polymer Ligand-Sensitized Lanthanide Metal-Organic Frameworks for an On-Site Analysis of a Radionuclide. <i>Analytical Chemistry</i> , 2021, 93, 9226-9234.	3.2	16
48	Study on the Diffusion-Dominated Solid-Phase Microextraction Kinetics in Semisolid Sample Matrix. <i>Analytical Chemistry</i> , 2016, 88, 8921-8925.	3.2	15
49	Fabrication of polyaniline/silver composite coating as a dual-functional platform for microextraction and matrix-free laser desorption/ionization. <i>Talanta</i> , 2017, 172, 155-161.	2.9	15
50	Incorporation of carbon nanotubes into graphene for highly efficient solid-phase microextraction of benzene homologues. <i>Microchemical Journal</i> , 2018, 139, 203-209.	2.3	15
51	A polymeric solid-phase microextraction fiber for the detection of pharmaceuticals in water samples. <i>Journal of Chromatography A</i> , 2020, 1623, 461171.	1.8	15
52	Preparation of Carbon-Supported Zinc Ferrite and Its Performance in the Catalytic Degradation of Mercaptan. <i>Energy & Fuels</i> , 2012, 26, 7092-7098.	2.5	13
53	Facile construction of superhydrophobic hybrids of metal-organic framework grown on nanosheet for high-performance extraction of benzene homologues. <i>Talanta</i> , 2020, 211, 120706.	2.9	13
54	Investigation of the kinetic process of solid phase microextraction in complex sample. <i>Analytica Chimica Acta</i> , 2015, 900, 111-116.	2.6	12

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55	Effect of dissolved organic matter on pre-equilibrium passive sampling: A predictive QSAR modeling study. <i>Science of the Total Environment</i> , 2018, 635, 53-59.	3.9	12
56	Sample bottle coated with sorbent as a novel solid-phase extraction device for rapid on-site detection of BTEX in water. <i>Analytica Chimica Acta</i> , 2021, 1152, 338226.	2.6	12
57	Boosting loading capacities of shapeable metal-organic framework coatings by closing the interparticle spaces of stacked nanocrystals. <i>Chemical Communications</i> , 2019, 55, 7223-7226.	2.2	11
58	Stress symptoms and plant hormone-modulated defense response induced by the uptake of carbamazepine and ibuprofen in Malabar spinach (<i>Basella alba</i> L.). <i>Science of the Total Environment</i> , 2021, 793, 148628.	3.9	11
59	Superficially capped amino metal-organic framework for efficient solid-phase microextraction of perfluorinated alkyl substances. <i>Journal of Chromatography A</i> , 2022, 1669, 462959.	1.8	11
60	High Efficiency, Matrix Interference-Free, General Applicable Probes for Bile Acids Extraction and Detection. <i>Advanced Science</i> , 2018, 5, 1800774.	5.6	10
61	Ratiometric fluorescent probe for the on-site monitoring of coexisted Hg ²⁺ and F ⁻ in sequence. <i>Analytica Chimica Acta</i> , 2021, 1183, 338967.	2.6	8
62	Uptake of pharmaceuticals acts as an abiotic stress and triggers variation of jasmonates in Malabar spinach (<i>Basella alba</i> L.). <i>Chemosphere</i> , 2019, 236, 124711.	4.2	7
63	An in-needle solid-phase microextraction device packed with etched steel wires for polycyclic aromatic hydrocarbons enrichment in water samples. <i>Journal of Separation Science</i> , 2019, 42, 1750-1756.	1.3	7
64	Determination of the mass transfer coefficients in direct immersion solid-phase microextraction. <i>Journal of Separation Science</i> , 2020, 43, 1847-1853.	1.3	7
65	Dual-fiber solid-phase microextraction coupled with gas chromatography-mass spectrometry for the analysis of volatile compounds in traditional Chinese dry-cured ham. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1140, 121994.	1.2	7
66	Applications of in vivo SPME based on mass spectrometry for environmental pollutants analysis and non-target metabolomics: A review. , 2022, 1, 100004.		7
67	Improving the Sensitivity of Solid-Phase Microextraction by Reducing the Volume of Off-Line Elution Solvent. <i>Analytical Chemistry</i> , 2018, 90, 1572-1577.	3.2	6
68	Energy-efficient construction of thermally stable superhydrophobic nanoscale stacked lamellae based solid-phase microextraction coating for the determination of non-polar compounds. <i>Analytica Chimica Acta</i> , 2019, 1092, 17-23.	2.6	6
69	Evaluation of the availability of bound analyte for passive sampling in the presence of mobile binding matrix. <i>Analytica Chimica Acta</i> , 2016, 917, 19-26.	2.6	5
70	Efficient and Versatile Pipet Microextraction Device Based on a Light-Heatable Sorbent. <i>Analytical Chemistry</i> , 2018, 90, 8304-8308.	3.2	5
71	Flower-like architecture magnesia-carbon composite material for highly sensitive solid-phase microextraction. <i>Talanta</i> , 2020, 217, 121088.	2.9	5
72	Valence-dependent catalytic activities of iron terpyridine complexes for pollutant degradation. <i>Chemical Communications</i> , 2020, 56, 5476-5479.	2.2	4

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73	A density functional theory study of the hydrolysis mechanism of phosphodiester catalyzed by a mononuclear Zn(II) complex. <i>Journal of Molecular Catalysis A</i> , 2013, 368-369, 53-60.	4.8	2
74	Development of Novel Solid-Phase Microextraction Fibers. , 2017, , 17-61.		2
75	Extraction: Solid-Phase Microextraction. , 2018, , 100-100.		2
76	Facile Synthesis of a Fluorinated Squaramide Covalent Organic Framework for the Highly Efficient and Broad Spectrum Removal of Per- and Polyfluoroalkyl Substances. <i>Angewandte Chemie</i> , 0, , .	1.6	2
77	Noncovalently Tagged Gas Phase Complex Ions for Screening Unknown Contaminant Metabolites in Plants. <i>Analytical Chemistry</i> , 2021, 93, 14929-14933.	3.2	1
78	Solid Phase Microextraction for Sensing Freely Dissolved Analytes in Complex Water Sample. , 2017, , 75-111.		0