

# 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	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
2	Novel solid-phase microextraction fiber coatings: A review. <i>Journal of Separation Science</i> , 2022, 45, 282-304.	1.3	40
3	Efficient solid phase microextraction of organic pollutants based on graphene oxide/chitosan aerogel. <i>Analytica Chimica Acta</i> , 2022, 1195, 339462.	2.6	32
4	Applications of in vivo SPME based on mass spectrometry for environmental pollutants analysis and non-target metabolomics: A review. , 2022, 1, 100004.		7
5	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
6	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
7	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
8	Visible-Light Driven Efficient Overall H <sub>2</sub> O <sub>2</sub> Production on Modified Graphitic Carbon Nitride under Ambient Conditions. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119726.	10.8	45
9	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
10	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
11	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
12	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
13	Ratiometric fluorescent probe for the on-site monitoring of coexisted Hg <sup>2+</sup> and F <sup>-</sup> in sequence. <i>Analytica Chimica Acta</i> , 2021, 1183, 338967.	2.6	8
14	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
15	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
16	Noncovalently Tagged Gas Phase Complex Ions for Screening Unknown Contaminant Metabolites in Plants. <i>Analytical Chemistry</i> , 2021, 93, 14929-14933.	3.2	1
17	Graphene Oxide-Supported Lanthanide Metal-Organic Frameworks with Boosted Stabilities and Detection Sensitivities. <i>Analytical Chemistry</i> , 2020, 92, 15550-15557.	3.2	38
18	Flower-like architecture magnesia-carbon composite material for highly sensitive solid-phase microextraction. <i>Talanta</i> , 2020, 217, 121088.	2.9	5

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19	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
20	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
21	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
22	Valence-dependent catalytic activities of iron terpyridine complexes for pollutant degradation. <i>Chemical Communications</i> , 2020, 56, 5476-5479.	2.2	4
23	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
24	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
25	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
26	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
27	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
28	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
29	Recent development in sample preparation techniques for plant hormone analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 224-233.	5.8	39
30	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
31	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
32	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
33	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
34	Solid-phase microextraction of antibiotics from fish muscle by using MIL-101(Cr)NH <sub>2</sub> -polyacrylonitrile fiber and their identification by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2019, 1047, 62-70.	2.6	62
35	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
36	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

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37	Synthesis and application of magnetic molecularly imprinted polymers in sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3991-4014.	1.9	93
38	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
39	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
40	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
41	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
42	Extraction: Solid-Phase Microextraction. , 2018, , 100-100.		2
43	High Efficiency, Matrix Interference Free, General Applicable Probes for Bile Acids Extraction and Detection. <i>Advanced Science</i> , 2018, 5, 1800774.	5.6	10
44	Efficient and Versatile Pipet Microextraction Device Based on a Light-Heatable Sorbent. <i>Analytical Chemistry</i> , 2018, 90, 8304-8308.	3.2	5
45	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
46	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
47	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
48	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
49	Development of Novel Solid-Phase Microextraction Fibers. , 2017, , 17-61.		2
50	Solid Phase Microextraction for Sensing Freely Dissolved Analytes in Complex Water Sample. , 2017, , 75-111.		0
51	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
52	Rapid in vivo determination of fluoroquinolones in cultured puffer fish (Takifugu obscurus) muscle by solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2017, 175, 550-556.	2.9	51
53	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
54	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

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55	Hierarchical Graphene coating for highly sensitive solid phase microextraction of organochlorine pesticides. <i>Talanta</i> , 2016, 160, 217-224.	2.9	42
56	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
57	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
58	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
59	Application of in vivo solid-phase microextraction in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 26-35.	5.8	73
60	Study on the Diffusion-Dominated Solid-Phase Microextraction Kinetics in Semisolid Sample Matrix. <i>Analytical Chemistry</i> , 2016, 88, 8921-8925.	3.2	15
61	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
62	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
63	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
64	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
65	Isoreticular 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> , 2015, 140, 4384-4387.	1.7	41
66	Investigation of the kinetic process of solid phase microextraction in complex sample. <i>Analytica Chimica Acta</i> , 2015, 900, 111-116.	2.6	12
67	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
68	Exceptional Hydrophobicity of a Large-Pore Metal-Organic Zeolite. <i>Journal of the American Chemical Society</i> , 2015, 137, 7217-7223.	6.6	270
69	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
70	Polyelectrolyte Microcapsules Dispersed in Silicone Rubber for in Vivo Sampling in Fish Brains. <i>Analytical Chemistry</i> , 2015, 87, 10593-10599.	3.2	24
71	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
72	<i>In Vivo</i> Tracing Uptake and Elimination of Organic Pesticides in Fish Muscle. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8012-8020.	4.6	52

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73	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
74	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
75	New materials in solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 68-83.	5.8	196
76	Application of nanomaterials in sample preparation. <i>Journal of Chromatography A</i> , 2013, 1300, 2-16.	1.8	186
77	Preparation of Carbon-Supported Zinc Ferrite and Its Performance in the Catalytic Degradation of Mercaptan. <i>Energy &amp; Fuels</i> , 2012, 26, 7092-7098.	2.5	13
78	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