

Jianqiao Xu

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,734
citations

159585

30
h-index

189892

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. | 13.7 | 270 |
| 2 | New materials in solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 68-83. | 11.4 | 196 |
| 3 | Application of nanomaterials in sample preparation. <i>Journal of Chromatography A</i> , 2013, 1300, 2-16. | 3.7 | 186 |
| 4 | Synthesis and application of magnetic molecularly imprinted polymers in sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3991-4014. | 3.7 | 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. | 5.4 | 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. | 12.4 | 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, . | 7.1 | 80 |
| 8 | Application of in vivo solid-phase microextraction in environmental analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 26-35. | 11.4 | 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. | 7.4 | 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. | 5.4 | 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. | 6.5 | 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. | 5.4 | 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. | 5.4 | 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. | 12.4 | 53 |
| 15 | <i>In Vivo</i> Tracing Uptake and Elimination of Organic Pesticides in Fish Muscle. <i>Environmental Science & Technology</i> , 2014, 48, 8012-8020. | 10.0 | 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. | 6.5 | 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. | 5.4 | 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. | 5.5 | 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. | 5.4 | 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. | 20.2 | 45 |
| 21 | Hierarchical Graphene coating for highly sensitive solid phase microextraction of organochlorine pesticides. <i>Talanta</i> , 2016, 160, 217-224. | 5.5 | 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. | 14.9 | 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. | 3.5 | 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. | 5.5 | 40 |
| 25 | Novel solid-phase microextraction fiber coatings: A review. <i>Journal of Separation Science</i> , 2022, 45, 282-304. | 2.5 | 40 |
| 26 | Recent development in sample preparation techniques for plant hormone analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 224-233. | 11.4 | 39 |
| 27 | Graphene Oxide-Supported Lanthanide Metal-Organic Frameworks with Boosted Stabilities and Detection Sensitivities. <i>Analytical Chemistry</i> , 2020, 92, 15550-15557. | 6.5 | 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, . | 7.1 | 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. | 5.5 | 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. | 11.4 | 33 |
| 31 | Efficient solid phase microextraction of organic pollutants based on graphene oxide/chitosan aerogel. <i>Analytica Chimica Acta</i> , 2022, 1195, 339462. | 5.4 | 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. | 8.0 | 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. | 2.7 | 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. | 5.5 | 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. | 5.4 | 25 |
| 36 | Polyelectrolyte Microcapsules Dispersed in Silicone Rubber for in Vivo Sampling in Fish Brains. <i>Analytical Chemistry</i> , 2015, 87, 10593-10599. | 6.5 | 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. | 5.5 | 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. | 5.5 | 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. | 12.4 | 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. | 5.4 | 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. | 5.8 | 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, . | 13.8 | 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. | 3.7 | 18 |
| 44 | Boronate Affinity Molecularly Imprinted Biocompatible Probe: An Alternative for Specific Glucose Monitoring. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2240-2245. | 3.3 | 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, . | 7.1 | 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. | 1.4 | 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. | 6.5 | 16 |
| 48 | Study on the Diffusion-Dominated Solid-Phase Microextraction Kinetics in Semisolid Sample Matrix. <i>Analytical Chemistry</i> , 2016, 88, 8921-8925. | 6.5 | 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. | 5.5 | 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. | 4.5 | 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. | 3.7 | 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. | 5.1 | 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. | 5.5 | 13 |
| 54 | Investigation of the kinetic process of solid phase microextraction in complex sample. <i>Analytica Chimica Acta</i> , 2015, 900, 111-116. | 5.4 | 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. | 8.0 | 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. | 5.4 | 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. | 4.1 | 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. | 8.0 | 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. | 3.7 | 11 |
| 60 | High Efficiency, Matrix Interference-Free, General Applicable Probes for Bile Acids Extraction and Detection. <i>Advanced Science</i> , 2018, 5, 1800774. | 11.2 | 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. | 5.4 | 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. | 8.2 | 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. | 2.5 | 7 |
| 64 | Determination of the mass transfer coefficients in direct immersion solid-phase microextraction. <i>Journal of Separation Science</i> , 2020, 43, 1847-1853. | 2.5 | 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. | 2.3 | 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. | 6.5 | 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. | 5.4 | 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. | 5.4 | 5 |
| 70 | Efficient and Versatile Pipet Microextraction Device Based on a Light-Heatable Sorbent. <i>Analytical Chemistry</i> , 2018, 90, 8304-8308. | 6.5 | 5 |
| 71 | Flower-like architecture magnesia-carbon composite material for highly sensitive solid-phase microextraction. <i>Talanta</i> , 2020, 217, 121088. | 5.5 | 5 |
| 72 | Valence-dependent catalytic activities of iron terpyridine complexes for pollutant degradation. <i>Chemical Communications</i> , 2020, 56, 5476-5479. | 4.1 | 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 Fluorinatedâ€”squaramide Covalent Organic Framework for the Highly Efficient and Broadâ€”spectrum Removal of Perâ€”and Polyfluoroalkyl Substances. <i>Angewandte Chemie</i> , 0, , . | 2.0 | 2 |
| 77 | Noncovalently Tagged Gas Phase Complex Ions for Screening Unknown Contaminant Metabolites in Plants. <i>Analytical Chemistry</i> , 2021, 93, 14929-14933. | 6.5 | 1 |
| 78 | Solid Phase Microextraction for Sensing Freely Dissolved Analytes in Complex Water Sample. , 2017, , 75-111. | | 0 |