

Xiaohuan Zang

List of Publications by Year in descending order

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57
papers

2,498
citations

185998

28
h-index

197535

49
g-index

59
all docs

59
docs citations

59
times ranked

2278
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-based solid-phase extraction combined with flame atomic absorption spectrometry for a sensitive determination of trace amounts of lead in environmental water and vegetable samples. <i>Analytica Chimica Acta</i> , 2012, 716, 112-118.	2.6	229
2	Metal-Organic Framework Derived Magnetic Nanoporous Carbon: Novel Adsorbent for Magnetic Solid-Phase Extraction. <i>Analytical Chemistry</i> , 2014, 86, 12199-12205.	3.2	180
3	Dispersive liquid-liquid microextraction combined with high performance liquid chromatography-fluorescence detection for the determination of carbendazim and thiabendazole in environmental samples. <i>Analytica Chimica Acta</i> , 2009, 638, 139-145.	2.6	145
4	Extraction of neonicotinoid insecticides from environmental water samples with magnetic graphene nanoparticles as adsorbent followed by determination with HPLC. <i>Analytical Methods</i> , 2012, 4, 766.	1.3	110
5	Application of dispersive liquid-liquid microextraction combined with high-performance liquid chromatography to the determination of carbamate pesticides in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1755-1761.	1.9	105
6	Extraction of phthalate esters from water and beverages using a graphene-based magnetic nanocomposite prior to their determination by HPLC. <i>Mikrochimica Acta</i> , 2012, 177, 23-30.	2.5	105
7	Polydimethylsiloxane/metal-organic frameworks coated fiber for solid-phase microextraction of polycyclic aromatic hydrocarbons in river and lake water samples. <i>Talanta</i> , 2014, 129, 600-605.	2.9	91
8	Solid-phase microextraction of organophosphorous pesticides from food samples with a nitrogen-doped porous carbon derived from g-C ₃ N ₄ templated MOF as the fiber coating. <i>Journal of Hazardous Materials</i> , 2020, 384, 121430.	6.5	89
9	Heterointerface optimization in a covalent organic framework-on-MXene for high-performance capacitive deionization of oxygenated saline water. <i>Materials Horizons</i> , 2022, 9, 1708-1716.	6.4	82
10	The use of graphene-based magnetic nanoparticles as adsorbent for the extraction of triazole fungicides from environmental water. <i>Journal of Separation Science</i> , 2012, 35, 2266-2272.	1.3	77
11	Construction of Ti ₄ O ₇ /TiN/carbon microdisk sulfur host with strong polar Ti-O bond for ultralong life lithium-sulfur battery. <i>Energy Storage Materials</i> , 2022, 44, 180-189.	9.5	74
12	Analysis of captan, folpet, and captafol in apples by dispersive liquid-liquid microextraction combined with gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 749-754.	1.9	73
13	Solid phase microextraction of phthalic acid esters from vegetable oils using iron (III)-based metal-organic framework/graphene oxide coating. <i>Food Chemistry</i> , 2018, 263, 258-264.	4.2	66
14	Covalent Organic Framework as Fiber Coating for Solid-Phase Microextraction of Chlorophenols Followed by Quantification with Gas Chromatography-Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11158-11165.	2.4	63
15	Hollow fiber-based liquid-phase microextraction combined with on-line sweeping for trace analysis of Strychnos alkaloids in urine by micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2007, 1143, 270-275.	1.8	52
16	The use of silica-coated magnetic graphene microspheres as the adsorbent for the extraction of pyrethroid pesticides from orange and lettuce samples followed by GC-MS analysis. <i>Journal of Separation Science</i> , 2013, 36, 3242-3248.	1.3	45
17	Determination of Triazole Fungicides in Vegetable Samples by Magnetic Solid-Phase Extraction with Graphene-Coated Magnetic Nanocomposite as Adsorbent Followed by Gas Chromatography-Mass Spectrometry Detection. <i>Food Analytical Methods</i> , 2014, 7, 318-325.	1.3	43
18	Determination of pesticides residues in vegetable and fruit samples by solid-phase microextraction with a covalent organic framework as the fiber coating coupled with gas chromatography and electron capture detection. <i>Journal of Separation Science</i> , 2018, 41, 4038-4046.	1.3	42

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19	Analysis of Strychnos alkaloids in traditional Chinese medicines with improved sensitivity by sweeping micellar electrokinetic chromatography. <i>Analytica Chimica Acta</i> , 2006, 572, 190-196.	2.6	41
20	Single layer graphitic carbon nitride-modified graphene composite as a fiber coating for solid-phase microextraction of polycyclic aromatic hydrocarbons. <i>Mikrochimica Acta</i> , 2017, 184, 2171-2180.	2.5	39
21	Solid phase microextraction of polycyclic aromatic hydrocarbons from water samples by a fiber coated with covalent organic framework modified graphitic carbon nitride. <i>Journal of Chromatography A</i> , 2020, 1628, 461428.	1.8	37
22	Graphene oxide as a micro-solid-phase extraction sorbent for the enrichment of parabens from water and vinegar samples. <i>Journal of Separation Science</i> , 2014, 37, 1656-1662.	1.3	35
23	Triazine-based porous organic framework as adsorbent for solid-phase microextraction of some organochlorine pesticides. <i>Journal of Chromatography A</i> , 2019, 1602, 83-90.	1.8	35
24	Solid-phase microextraction with a graphene-composite-coated fiber coupled with GC for the determination of some halogenated aromatic hydrocarbons in water samples. <i>Journal of Separation Science</i> , 2014, 37, 440-446.	1.3	32
25	Micro-solid phase extraction of chlorophenols using reduced graphene oxide functionalized with magnetic nanoparticles and graphitic carbon nitride as the adsorbent. <i>Mikrochimica Acta</i> , 2018, 185, 18.	2.5	31
26	Metal-organic framework UiO-67-coated fiber for the solid-phase microextraction of nitrobenzene compounds from water. <i>Journal of Separation Science</i> , 2016, 39, 2770-2776.	1.3	30
27	Determination of volatile organic compounds in pen inks by a dynamic headspace needle trap device combined with gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1513, 27-34.	1.8	30
28	Use of Functionalized Covalent Organic Framework as Sorbent for the Solid-Phase Extraction of Biogenic Amines from Meat Samples Followed by High-Performance Liquid Chromatography. <i>Food Analytical Methods</i> , 2019, 12, 1-11.	1.3	30
29	A Green and Efficient Synthesis of 9-Aryl-3,4,5,6,7,9-hexahydroxanthene-1,8-dione using a Task-Specific Ionic Liquid as Dual Catalyst and Solvent. <i>Australian Journal of Chemistry</i> , 2007, 60, 146.	0.5	29
30	Metal organic framework MIL-101 coated fiber for headspace solid phase microextraction of volatile aromatic compounds. <i>Analytical Methods</i> , 2015, 7, 918-923.	1.3	28
31	A graphene-coated magnetic nanocomposite for the enrichment of fourteen pesticides in tomato and rape samples prior to their determination by gas chromatography-mass spectrometry. <i>Analytical Methods</i> , 2014, 6, 253-260.	1.3	25
32	A porous carbon derived from amino-functionalized material of Institut Lavoisier as a solid-phase microextraction fiber coating for the extraction of phthalate esters from tea. <i>Journal of Separation Science</i> , 2016, 39, 1331-1338.	1.3	25
33	Design and Construction of 3D Porous Na ₃ V ₂ (PO ₄) ₃ /C as High Performance Cathode for Sodium Ion Batteries. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 265-273.	1.3	25
34	Fibrous boron nitride nanocomposite for magnetic solid phase extraction of ten pesticides prior to the quantitation by gas chromatography. <i>Mikrochimica Acta</i> , 2018, 185, 561.	2.5	24
35	Graphene grafted magnetic microspheres for solid phase extraction of bisphenol A and triclosan from water samples followed by gas chromatography-mass spectrometric analysis. <i>Analytical Methods</i> , 2015, 7, 8793-8800.	1.3	23
36	Solid-phase microextraction of eleven organochlorine pesticides from fruit and vegetable samples by a coated fiber with boron nitride modified multiwalled carbon nanotubes. <i>Food Chemistry</i> , 2021, 359, 129984.	4.2	23

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37	Determination of carbendazim and thiabendazole in apple juice by hollow fibre-based liquid phase microextraction-high performance liquid chromatography with fluorescence detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 582-591.	1.8	22
38	Mesoporous covalent organic polymer nanospheres for the preconcentration of polycyclic aromatic hydrocarbons and their derivatives. <i>Journal of Chromatography A</i> , 2020, 1624, 461217.	1.8	22
39	Hollow Fiber Stir Bar Sorptive Extraction Combined with GC-MS for the Determination of Phthalate Esters from Children's Food. <i>Chromatographia</i> , 2019, 82, 683-693.	0.7	21
40	Carbon nanospheres as solid-phase microextraction coating for the extraction of polycyclic aromatic hydrocarbons from water and soil samples. <i>Journal of Separation Science</i> , 2020, 43, 2594-2601.	1.3	21
41	Barley husk carbon as the fiber coating for the solid-phase microextraction of twelve pesticides in vegetables prior to gas chromatography-mass spectrometric detection. <i>Journal of Chromatography A</i> , 2017, 1491, 9-15.	1.8	20
42	Efficient solid-phase microextraction of twelve halogens-containing environmental hormones from fruits and vegetables by triazine-based conjugated microporous polymer coating. <i>Analytica Chimica Acta</i> , 2022, 1195, 339458.	2.6	20
43	Boron nitride modified reduced graphene oxide as solid-phase microextraction coating material for the extraction of seven polycyclic aromatic hydrocarbons from water and soil samples. <i>Journal of Separation Science</i> , 2021, 44, 1521-1528.	1.3	18
44	Solid phase microextraction using a graphene composite-coated fiber coupled with gas chromatography for the determination of acetanilide herbicides in water samples. <i>Analytical Methods</i> , 2014, 6, 2756.	1.3	17
45	Synthesis of nanoporous poly-melamine-formaldehyde (PMF) based on Schiff base chemistry as a highly efficient adsorbent. <i>Analyst</i> , 2019, 144, 342-348.	1.7	14
46	Analysis of Carbamazepine in Tablet and Human Serum by Sweeping Micellar Electrokinetic Chromatography Method. <i>Analytical Letters</i> , 2006, 39, 1927-1939.	1.0	13
47	A novel porphyrin-based conjugated microporous nanomaterial for solid-phase microextraction of phthalate esters residues in children's food. <i>Food Chemistry</i> , 2022, 388, 133015.	4.2	13
48	Determination of triazine herbicide residues in water samples by on-line sweeping concentration in micellar electrokinetic chromatography. <i>Chinese Chemical Letters</i> , 2008, 19, 1487-1490.	4.8	12
49	Extraction of Phthalate Esters in Environmental Water Samples Using Layered-Carbon Magnetic Hybrid Material as Adsorbent Followed by Their Determination with HPLC. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 3311-3316.	1.0	12
50	Application of liquid phase microextraction based on solidification of floating organic drop for the determination of triazine herbicides in soil samples by gas chromatography with flame photometric detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1563-1573.	1.8	9
51	Development of ultrasound-assisted emulsification microextraction for the determination of triazine herbicides in environmental water samples by high-performance liquid chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 884-893.	1.8	9
52	Efficient enrichment of triazole fungicides from fruit and vegetable samples by a spherical porous aromatic framework. <i>New Journal of Chemistry</i> , 2019, 43, 4059-4066.	1.4	9
53	Application of mesoporous carbon as a solid-phase microextraction fiber coating for the extraction of volatile aromatic compounds. <i>Journal of Separation Science</i> , 2015, 38, 2880-2886.	1.3	7
54	Triazine-based covalent organic polymer: A promising coating for solid-phase microextraction. <i>Journal of Separation Science</i> , 2021, 44, 3608-3617.	1.3	7

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55	Cyclodextrin-functionalized magnetic graphene as solid-phase extraction absorbent coupled with flame atomic absorption spectrophotometry for determination of cadmium in water and food samples. <i>Spectroscopy Letters</i> , 2017, 50, 507-514.	0.5	6
56	Synthesis of 3,4-Dihydropyrimidin-2(1 <i>H</i>)-ones Catalyzed by Brønsted Acidic Ionic Liquid. <i>Chinese Journal of Organic Chemistry</i> , 2012, 32, 962.	0.6	4
57	Determination of phthalate esters in bottled beverages by direct immersion solid-phase microextraction with a porous boron nitride coated fiber followed by gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2022, 45, 2987-2995.	1.3	2