

Zhuomin Zhang

List of Publications by Year in descending order

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37
papers

1,499
citations

394421

19
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

1915
citing authors

#	ARTICLE	IF	CITATIONS
1	Dummy template based molecularly imprinted solid-phase microextraction coating for analysis of trace disinfection by-product of 2,6-dichloro-1,4-benzoquinone using high-performance liquid chromatography. <i>Talanta</i> , 2022, 239, 123065.	5.5	15
2	DNA strand displacement based surface-enhanced Raman scattering-fluorescence dual-mode nanoprobe for quantification and imaging of vascular endothelial growth factor in living cells. <i>Biosensors and Bioelectronics</i> , 2022, 204, 114069.	10.1	16
3	Covalent organic framework absorbent for online micro-solid phase extraction of trace levels bisphenols in plastic samples. <i>Journal of Separation Science</i> , 2022, 45, 1493-1501.	2.5	4
4	Advanced sample preparation techniques for rapid surface-enhanced Raman spectroscopy analysis of complex samples. <i>Journal of Chromatography A</i> , 2022, 1675, 463181.	3.7	15
5	Rapid determination of pesticide residues in fruit and vegetable using Au@AgNPs decorated 2D Ni-MOF nanosheets as efficient surface-enhanced Raman scattering substrate. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132360.	7.8	27
6	Advanced materials on sample preparation for safety analysis of aquatic products. <i>Journal of Separation Science</i> , 2021, 44, 1174-1194.	2.5	12
7	Synthesis of sea urchin-shaped Au nanocrystals by double-strand diblock oligonucleotides for surface-enhanced Raman scattering and catalytic application. <i>Nanotechnology</i> , 2021, 32, 175501.	2.6	6
8	UiO-66 metal-organic frameworks/gold nanoparticles based substrates for SERS analysis of food samples. <i>Analytica Chimica Acta</i> , 2021, 1161, 338464.	5.4	39
9	Simultaneous and Accurate Quantification of Multiple Antibiotics in Aquatic Samples by Surface-Enhanced Raman Scattering Using a Ti ₃ C ₂ T _x /DNA/Ag Membrane Substrate. <i>Analytical Chemistry</i> , 2021, 93, 13072-13079.	6.5	20
10	Ti ₃ C ₂ T _x -AgNPs@beta-cyclodextrin SERS substrate for rapid and selective determination of erythrosin B in dyed food. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130595.	7.8	20
11	Rapid and accurate determination of trace volatile sulfur compounds in human halitosis by an adaptable active sampling system coupling with gas chromatography. <i>Journal of Separation Science</i> , 2020, 43, 1830-1837.	2.5	5
12	Metal-organic frameworks: opportunities and challenges for surface-enhanced Raman scattering – a review. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2952-2963.	5.5	111
13	Synthesis of tunable DNA-directed trepang-like Au nanocrystals for imaging application. <i>Nanoscale</i> , 2019, 11, 18099-18108.	5.6	8
14	Rapid determination of trace nitrofurantoin in cosmetics by surface enhanced Raman spectroscopy using nanoarrayed hydroxyl polystyrene-based substrate. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 1094-1102.	2.5	17
15	A monolithic column based on covalent cross-linked polymer gels for online extraction and analysis of trace aflatoxins in food sample. <i>Journal of Chromatography A</i> , 2018, 1548, 27-36.	3.7	16
16	A covalently crosslinked microporous polymer based micro-solid phase extraction for online analysis of trace pesticide residues in citrus fruits. <i>Journal of Separation Science</i> , 2018, 42, 888-896.	2.5	10
17	Rapid determination of trace semicarbazide in flour products by high-performance liquid chromatography based on a nucleophilic substitution reaction. <i>Journal of Separation Science</i> , 2017, 40, 1993-2001.	2.5	16
18	Large-volume constant-concentration sampling technique coupling with surface-enhanced Raman spectroscopy for rapid on-site gas analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 312-318.	3.9	8

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19	Acylhydrazone bond dynamic covalent polymer gel monolithic column online coupling to high-performance liquid chromatography for analysis of sulfonamides and fluorescent whitening agents in food. <i>Journal of Chromatography A</i> , 2017, 1519, 28-37.	3.7	32
20	Miniaturized Thermal-Assisted Purge-and-Trap Technique Coupling with Surface-Enhanced Raman Scattering for Trace Analysis of Complex Samples. <i>Analytical Chemistry</i> , 2017, 89, 9593-9600.	6.5	20
21	Sequential determination of trace 4-aminoazobenzene in multiple textiles based on nanoarrayed functionalized polystyrene substrate by surface enhanced Raman spectroscopy. <i>Talanta</i> , 2016, 154, 346-353.	5.5	7
22	Separation and analysis of trace volatile formaldehyde in aquatic products by a MoO ₃ /polypyrrole intercalative sampling adsorbent with thermal desorption gas chromatography and mass spectrometry. <i>Journal of Separation Science</i> , 2015, 38, 1388-1393.	2.5	18
23	A hydrazone covalent organic polymer based micro-solid phase extraction for online analysis of trace Sudan dyes in food samples. <i>Journal of Chromatography A</i> , 2015, 1419, 1-9.	3.7	101
24	Magnetic separation techniques in sample preparation for biological analysis: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 101, 84-101.	2.8	224
25	Review of online coupling of sample preparation techniques with liquid chromatography. <i>Analytica Chimica Acta</i> , 2014, 815, 1-15.	5.4	163
26	Rapid analysis of trace volatile formaldehyde in aquatic products by derivatization reaction-based surface enhanced Raman spectroscopy. <i>Analyst, The</i> , 2014, 139, 3614-3621.	3.5	83
27	Multilayer Interparticle Linking Hybrid MOF-199 for Noninvasive Enrichment and Analysis of Plant Hormone Ethylene. <i>Analytical Chemistry</i> , 2014, 86, 3533-3540.	6.5	116
28	Preparation of sulfonated graphene/polypyrrole solid-phase microextraction coating by in situ electrochemical polymerization for analysis of trace terpenes. <i>Journal of Chromatography A</i> , 2014, 1346, 8-15.	3.7	33
29	Preparation of polypyrrole composite solid-phase microextraction fiber coatings by sol-gel technique for the trace analysis of polar biological volatile organic compounds. <i>Analyst, The</i> , 2013, 138, 1156.	3.5	36
30	Progress on the analytical methodology for biological volatile organic compounds. <i>Analytical Methods</i> , 2013, 5, 20-29.	2.7	18
31	Preparation of novel alumina nanowire solid-phase microextraction fiber coating for ultra-selective determination of volatile esters and alcohols from complicated food samples. <i>Journal of Chromatography A</i> , 2013, 1290, 27-35.	3.7	30
32	Fabrication of novel nanoporous array anodic alumina solid-phase microextraction fiber coating and its potential application for headspace sampling of biological volatile organic compounds. <i>Analytica Chimica Acta</i> , 2012, 727, 13-19.	5.4	37
33	Microwave synthesis of gibberellin acid 3 magnetic molecularly imprinted polymer beads for the trace analysis of gibberellin acids in plant samples by liquid chromatography-mass spectrometry detection. <i>Analyst, The</i> , 2012, 137, 968-977.	3.5	42
34	Simultaneous determination of trace sterols in complicated biological samples by gas chromatography-mass spectrometry coupled with extraction using β -sitosterol magnetic molecularly imprinted polymer beads. <i>Journal of Chromatography A</i> , 2011, 1218, 4275-4283.	3.7	61
35	Study on seafood volatile profile characteristics during storage and its potential use for freshness evaluation by headspace solid phase microextraction coupled with gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 659, 151-158.	5.4	69
36	Preparation of styrene-co-4-vinylpyridine magnetic polymer beads by microwave irradiation for analysis of trace 24-epibrassinolide in plant samples using high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 6455-6461.	3.7	23

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37	Study of the volatile profile characteristics of longan during storage by a combination sampling method coupled with GC/MS. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 1035-1042.	3.5	21