Xiangfeng Chen

List of Publications by Year in descending order

97 papers	2,106 citations	236912 25 h-index	289230 40 g-index
99 all docs	99 docs citations	99 times ranked	2549 citing authors

#	Article	IF	Citations
1	Fe3O4@MOF coreâ€“shell magnetic microspheres for magnetic solid-phase extraction of polychlorinated biphenyls from environmental water samples. Journal of Chromatography A, 2013, 1304, 241-245.	3.7	156
2	Metalâ€“Organic Framework@Microporous Organic Network as Adsorbent for Solid-Phase Microextraction. Analytical Chemistry, 2016, 88, 9364-9367.	6.5	109
3	Magnetic metalâ€“organic frameworkâ€“titanium dioxide nanocomposite as adsorbent in the magnetic solid-phase extraction of fungicides from environmental water samples. Journal of Chromatography A, 2016, 1466, 21-28.	3.7	95
4	Magnetic porous carbon derived from a bimetallic metalâ€“organic framework for magnetic solid-phase extraction of organochlorine pesticides from drinking and environmental water samples. Journal of Chromatography A, 2017, 1479, 55-61.	3.7	89
5	Atmospheric PAHs, NPAHs, and OPAHs at an urban, mountainous, and marine sites in Northern China: Molecular composition, sources, and ageing. Atmospheric Environment, 2018, 173, 256-264.	4.1	64
6	Adsorption of nucleobase pairs on hexagonal boron nitride sheet: hydrogen bonding versus stacking. Physical Chemistry Chemical Physics, 2013, 15, 10767.	2.8	59
7	Magnetic solid-phase extraction of sulfonamide antibiotics in water and animal-derived food samples using core-shell magnetite and molybdenum disulfide nanocomposite adsorbent. Journal of Chromatography A, 2020, 1610, 460543.	3.7	58
8	Methanol Oxidation on Pt₃Sn(111) for Direct Methanol Fuel Cells: Methanol Decomposition. ACS Applied Materials & Interfaces, 2016, 8, 12194-12204.	8.0	52
9	Thermo-responsive polymer tethered metal-organic framework core-shell magnetic microspheres for magnetic solid-phase extraction of alkylphenols from environmental water samples. Journal of Chromatography A, 2016, 1456, 42-48.	3.7	46
10	Coreâ€“shell indium (III) sulfide@metal-organic framework nanocomposite as an adsorbent for the dispersive solid-phase extraction of nitro-polycyclic aromatic hydrocarbons. Journal of Chromatography A, 2018, 1551, 21-28.	3.7	43
11	Mechanical properties and failure behaviors of the interface of hybrid graphene/hexagonal boron nitride sheets. Scientific Reports, 2016, 6, 31499.	3.3	40
12	Short-chain chlorinated paraffin (SCCP) pollution from a CP production plant in China: Dispersion, congener patterns and health risk assessment. Chemosphere, 2018, 211, 456-464.	8.2	40
13	Diurnal concentrations, sources, and cancer risk assessments of PM2.5-bound PAHs, NPAHs, and OPAHs in urban, marine and mountain environments. Chemosphere, 2018, 209, 147-155.	8.2	40
14	Trophic Dilution of Short-Chain Chlorinated Paraffins in a Plantâ€“Plateau Pikaâ€“Eagle Food Chain from the Tibetan Plateau. Environmental Science & Technology, 2019, 53, 9472-9480.	10.0	39
15	In situ hydrothermal growth of a zirconium-based porphyrinic metal-organic framework on stainless steel fibers for solid-phase microextraction of nitrated polycyclic aromatic hydrocarbons. Mikrochimica Acta, 2017, 184, 3809-3815.	5.0	36
16	2D BiVO4/g-C3N4 Z-scheme photocatalyst for enhanced overall water splitting. Journal of Materials Science, 2019, 54, 10836-10845.	3.7	36
17	Computational Investigation on the Effect of Graphene Oxide Sheets as Nanofillers in Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	35
18	Capture of aromatic organic pollutants by hexagonal boron nitride nanosheets: density functional theoretical and molecular dynamic investigation. Environmental Science: Nano, 2016, 3, 1493-1503.	4.3	34

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19	A cadmium(II)-based metal-organic framework material for the dispersive solid-phase extraction of polybrominated diphenyl ethers in environmental water samples. Journal of Chromatography A, 2015, 1422, 334-339.	3.7	33
20	Interactions between polybrominated diphenyl ethers and graphene surface: a DFT and MD investigation. Environmental Science: Nano, 2014, 1, 55-63.	4.3	32
21	Hexagonal boron nitride nanosheets as adsorbents for solid-phase extraction of polychlorinated biphenyls from water samples. Analytica Chimica Acta, 2016, 936, 123-129.	5.4	32
22	Determination of fluoroquinolones in food samples by magnetic solid-phase extraction based on a magnetic molecular sieve nanocomposite prior to high-performance liquid chromatography and tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 2817-2826.	3.7	29
23	Short-chain chlorinated paraffins in soil, sediment, and seawater in the intertidal zone of Shandong Peninsula, China: Distribution and composition. Chemosphere, 2019, 220, 452-458.	8.2	28
24	Fate and ecological risks of current-use pesticides in seawater and sediment of the Yellow Sea and East China Sea. Environmental Research, 2022, 207, 112673.	7.5	27
25	Theoretical investigation of Câ€“H activation in Mg+â€“CH3X (X=H, NH2 and CHO). Computational and Theoretical Chemistry, 2006, 764, 177-186.	1.5	26
26	Dietary exposure and risk assessment of short-chain chlorinated paraffins in supermarket fresh products in Jinan, China. Chemosphere, 2020, 244, 125393.	8.2	26
27	Transition Metal Ions: Charge Carriers that Mediate the Electron Capture Dissociation Pathways of Peptides. Journal of the American Society for Mass Spectrometry, 2011, 22, 2232-2245.	2.8	25
28	Label-Free LSPR Detection of Trace Lead(II) Ions in Drinking Water by Synthetic Poly(mPD-co-ASA) Nanoparticles on Gold Nanoislands. Analytical Chemistry, 2017, 89, 1985-1993.	6.5	25
29	Water-dispersible pH/thermo dual-responsive microporous polymeric microspheres as adsorbent for dispersive solid-phase extraction of fluoroquinolones from environmental water samples and food samples. Journal of Chromatography A, 2019, 1601, 27-34.	3.7	25
30	Reaction of Acetaldehyde with Ni+:Â An Extended Theoretical Study of the Decarbonylation Mechanism of Acetaldehyde by First-Row Transition Metal Ions. Journal of Physical Chemistry A, 2007, 111, 3566-3570.	2.5	24
31	Differentiation between Fresh and Frozenâ€“Thawed Meat using Rapid Evaporative Ionization Mass Spectrometry: The Case of Beef Muscle. Journal of Agricultural and Food Chemistry, 2021, 69, 5709-5724.	5.2	23
32	Theoretical survey of the potential energy surface of Ni++acetone reaction. Chemical Physics Letters, 2006, 432, 27-32.	2.6	22
33	Formation of Peptide Radical Cations (M+Â·) in Electron Capture Dissociation of Peptides Adducted with Group IIB Metal Ions. Journal of the American Society for Mass Spectrometry, 2011, 22, 233-244.	2.8	22
34	Structures and electronic properties of vacancies at the interface of hybrid graphene/hexagonal boron nitride sheet. Computational Materials Science, 2016, 117, 172-179.	3.0	22
35	Colonization of plant roots and enhanced atrazine degradation by a strain of Arthrobacter ureafaciens. Applied Microbiology and Biotechnology, 2017, 101, 6809-6820.	3.6	22
36	Prenatal exposure to ambient fine particulate matter induces dysregulations of lipid metabolism in adipose tissue in male offspring. Science of the Total Environment, 2019, 657, 1389-1397.	8.0	20

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37	Magnetic boron nitride nanosheets as a novel magnetic solid-phase extraction adsorbent for the determination of plant growth regulators in tomatoes. Food Chemistry, 2021, 348, 129103.	8.2	19
38	Occurrence and distribution of organophosphate flame retardants in seawater and sediment from coastal areas of the East China and Yellow Seas. Environmental Pollution, 2022, 302, 119017.	7.5	19
39	Ultrathin-shell boron nitride hollow spheres as sorbent for dispersive solid-phase extraction of polychlorinated biphenyls from environmental water samples. Journal of Chromatography A, 2014, 1369, 181-185.	3.7	18
40	Structural Characterization of Intact Glycoconjugates by Tandem Mass Spectrometry Using Electron-Induced Dissociation. Analytical Chemistry, 2017, 89, 10111-10117.	6.5	18
41	Electronâ€ion reactionâ€based dissociation: A powerful ion activation method for the elucidation of natural product structures. Mass Spectrometry Reviews, 2018, 37, 793-810.	5.4	17
42	Indoor/outdoor relationships, sources and cancer risk assessment of NPAHs and OPAHs in PM2.5 at urban and suburban hotels in Jinan, China. Atmospheric Environment, 2018, 182, 325-334.	4.1	17
43	Development of a Matrix Sublimation Device with Controllable Crystallization Temperature for MALDI Mass Spectrometry Imaging. Analytical Chemistry, 2021, 93, 6342-6347.	6.5	17
44	Defect-sensitive performance of silicene sheets under uniaxial tension: mechanical properties, electronic structures and failure behavior. RSC Advances, 2017, 7, 10306-10315.	3.6	16
45	A hollow microporous organic network as aÂfiber coating for solid-phase microextraction of short-chain chlorinated hydrocarbons. Mikrochimica Acta, 2018, 185, 416.	5.0	16
46	In-situ exfoliation of graphitic carbon nitride with metal-organic framework via a sonication-assisted approach for dispersive solid-phase extraction of perfluorinated compounds in drinking water samples. Journal of Chromatography A, 2020, 1625, 461337.	3.7	16
47	Metabolomic approach for rapid differentiation of Fritillaria bulbs by matrix-assisted laser desorption/ionization mass spectrometry and multivariate statistical analysis. Journal of Pharmaceutical and Biomedical Analysis, 2020, 185, 113177.	2.8	16
48	PM2.5-Bound PAHs in Indoor and Outdoor of Hotels in Urban and Suburban of Jinan, China: Concentrations, Sources, and Health Risk Impacts. Aerosol and Air Quality Research, 2017, 17, 2463-2473.	2.1	16
49	Theoretical Survey of the Gas-Phase Reactions of Allylamine with Co+. Journal of Physical Chemistry A, 2007, 111, 6208-6216.	2.5	15
50	Boron nitride nanotubes as novel sorbent for solid-phase microextraction of polycyclic aromatic hydrocarbons in environmental water samples. Analytical and Bioanalytical Chemistry, 2014, 406, 5751-5754.	3.7	15
51	Seasonal variations and inhalation risk assessment of short-chain chlorinated paraffins in PM2.5 of Jinan, China. Environmental Pollution, 2019, 245, 325-330.	7.5	15
52	Integration of proteomics and metabolomics reveals promotion of proliferation by exposure of bisphenol S in human breast epithelial MCF-10A cells. Science of the Total Environment, 2020, 712, 136453.	8.0	15
53	Tailor-made magnetic nanocomposite with pH and thermo-dual responsive copolymer brush for bacterial separation. Food Chemistry, 2021, 358, 129907.	8.2	14
54	Occurrence, diversity and community structure of culturable atrazine degraders in industrial and agricultural soils exposed to the herbicide in Shandong Province, P.R. China. BMC Microbiology, 2016, 16, 265.	3.3	13

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55	Differentiation of Isomeric Ginsenosides by Using Electron-Induced Dissociation Mass Spectrometry. Analytical Chemistry, 2016, 88, 5590-5594.	6.5	12
56	Determination of bisphenol A and bisphenol S in sacked mouse foods by liquid chromatography-tandem mass spectrometry. International Journal of Mass Spectrometry, 2018, 434, 17-22.	1.5	12
57	Z-scheme CuFe2O4â€“TiO2 nanocomposite microspheres for the photodegradation of methylene blue. Research on Chemical Intermediates, 2018, 44, 7107-7116.	2.7	12
58	Viscosity-Based Flow Sensor on Paper for Quantitative and Label-Free Detection of Î±-Amylase and Its Inhibitor. ACS Sensors, 2022, 7, 593-600.	7.8	12
59	Interaction of bisphenol A 3, 4-quinone metabolite with human hemoglobin, human serum albumin and cytochrome c inÂvitro. Chemosphere, 2019, 220, 930-936.	8.2	11
60	Impact of Dust Storms on NPAHs and OPAHs in PM2.5 in Jinan, China, in Spring 2016: Concentrations, Health Risks, and Sources. Aerosol and Air Quality Research, 2018, 18, 471-484.	2.1	11
61	Long-range atmospheric transport and alpine condensation of short-chain chlorinated paraffins on the southeastern Tibetan Plateau. Journal of Environmental Sciences, 2021, 99, 275-280.	6.1	10
62	A novel analytical strategy for the determination of perfluoroalkyl acids in various food matrices using a home-made functionalized fluorine interaction SPME in combination with LC-MS/MS. Food Chemistry, 2022, 366, 130572.	8.2	10
63	Development of Miniaturized Sorbent Membrane Funnel-Based Spray Platform for Biological Analysis. Analytical Chemistry, 2015, 87, 3149-3153.	6.5	9
64	Dissociation of trivalent metal ion (Al³⁺, Ga³⁺,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 capture dissociation conditions. Rapid Communications in Mass Spectrometry, 2016, 30, 705-710.	1.5	9
65	Bread-derived carbon foam as an adsorbent for solid-phase microextraction of polybrominated diphenyl ethers. Analytical Methods, 2017, 9, 6808-6813.	2.7	9
66	Effects of mechanical strain on the performance of germanene sheets: Strength, failure behavior, and electronic structure. Journal of Physics and Chemistry of Solids, 2018, 113, 201-209.	4.0	9
67	Hapten-Branched Polyethylenimine as a New Antigen Affinity Ligand to Purify Antibodies with High Efficiency and Specificity. ACS Applied Materials & Interfaces, 2020, 12, 58191-58200.	8.0	9
68	Quick and convenient construction of lambda-cyhalothrin antigen for the generation of specific antibody. Analytical Biochemistry, 2020, 597, 113669.	2.4	9
69	Hydride abstraction of methylamine with Cu+(1S) in the gas phase: A density functional theory study. Journal of Organometallic Chemistry, 2007, 692, 3796-3803.	1.8	8
70	Sensitivity and Robustness Enhancements by Using a V-Shape Ion Funnel in FTICR-MS. Analytical Chemistry, 2015, 87, 8073-8077.	6.5	8
71	Rapid Differentiation of Asian and American Ginseng by Differential Ion Mobility Spectrometry-Tandem Mass Spectrometry Using Stepwise Modulation of Gas Modifier Concentration. Journal of the American Society for Mass Spectrometry, 2019, 30, 2212-2221.	2.8	8
72	Simultaneous determination of amino acids, purines and derivatives in serum by ultrahighâ€performance liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2019, 33, 81-88.	1.5	8

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73	Fine adjustment of gas modifier loadings for separation of epimeric glycopeptides using differential ion mobility spectrometry mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8751.	1.5	8
74	Core-shell hollow spheres of type C@MoS2 for use in surface-assisted laser desorption/ionization time of flight mass spectrometry of small molecules. Mikrochimica Acta, 2019, 186, 830.	5.0	7
75	Dissociation of Mannose-Rich Glycans Using Collision-Based and Electron-Based Ion Activation Methods. Journal of the American Society for Mass Spectrometry, 2022, 33, 803-812.	2.8	7
76	Fluorinated boron nitride nanosheets as an inorganic matrix for the MALDI mass spectrometry analysis of perï¬‚uoroalkyl acids. Talanta, 2022, 243, 123365.	5.5	7
77	Effect of Structural Parameters on the Electron Capture Dissociation and Collision-Induced Dissociation Pathways of Copper(II)â€“Peptide Complexes. European Journal of Mass Spectrometry, 2015, 21, 649-657.	1.0	6
78	Determination of 5-hydroxymethyl-2â€²-deoxycytidine in Rice by High-performance Liquid Chromatographyâ€“Tandem Mass Spectrometry with Isotope Dilution. Analytical Letters, 2017, 50, 2351-2358.	1.8	6
79	Mass spectrometry investigation of nucleoside adducts of fatty acid hydroperoxides from oxidation of linolenic and linoleic acids. Journal of Chromatography A, 2021, 1649, 462236.	3.7	6
80	In situ analysis of oxytetracycline tablets based on matrixâ€assisted laser desorption/ionization mass spectrometry imaging. Rapid Communications in Mass Spectrometry, 2020, 34, e8592.	1.5	5
81	A Matrix Sublimation Device with an Integrated Solvent Nebulizer for MALDI-MSI. Journal of the American Society for Mass Spectrometry, 2022, 33, 11-16.	2.8	5
82	Evaluation and Comparison of Collision-Induced Dissociation and Electron-Capture Dissociation for Top-Down Analysis of Intact Ribonuclease B. European Journal of Mass Spectrometry, 2015, 21, 707-711.	1.0	4
83	Membrane funnelâ€based spray ionization for protein/peptide analysis by Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2015, 29, 336-342.	1.5	4
84	Tissue imaging with in situ solid-phase extraction micro-funnel based spray ionization mass spectrometry. European Journal of Mass Spectrometry, 2018, 24, 66-73.	1.0	4
85	Performance Enhancements in Differential Ion Mobility Spectrometry-Mass Spectrometry (DMS-MS) by Using a Modified CaptiveSpray Source. Journal of the American Society for Mass Spectrometry, 2018, 29, 2199-2207.	2.8	4
86	Integrated Proteomics and Metabolomics Assessment Indicated Metabolic Alterations in Hypothalamus of Mice Exposed to Triclosan. Chemical Research in Toxicology, 2021, 34, 1319-1328.	3.3	4
87	Reaction pathways of Rh⁺ (³F and ¹D) with CH₃OCH₃ in the gas phase. Rapid Communications in Mass Spectrometry, 2012, 26, 363-368.	1.5	3
88	C18-attached membrane funnel-based spray ionization mass spectrometry for quantification of anti-diabetic drug from human plasma. Analytica Chimica Acta, 2016, 933, 97-102.	5.4	3
89	Chlorinated paraffins wrapping of carbon nanotubes: A theoretical investigation. Applied Surface Science, 2018, 436, 277-282.	6.1	3
90	Utility of multi-functional two channel off-axis ion funnel (TCOAIF) in FTICR-MS. International Journal of Mass Spectrometry, 2018, 430, 126-133.	1.5	3

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91	Reaction pathways of Sc⁺ (³D, ¹D) and Fe⁺ (⁶D, ⁴F) with acetone in the gas phase: metal ion oxidation and acetone deethanization. Journal of Mass Spectrometry, 2012, 47, 1518-1525.	1.6	2
92	Suppression of peptide ion dissociation under electron capture: role of backbone amide hydrogen. Rapid Communications in Mass Spectrometry, 2015, 29, 1757-1764.	1.5	2
93	Generation and Characterization of Gas-Phase Doubly Charged Biradical Peptide Ions (M^{2+â€¢â€¢}). Analytical Chemistry, 2017, 89, 7773-7780.	6.5	2
94	Analysis of dietary exposure and risk assessment of pesticide residues in roots and rhizomes of Chinese herbs. Journal of Food Science, 2022, 87, 124-140.	3.1	2
95	Tandem Mass Spectrometry for Structural Characterization of Doubly-Charged N-Linked Glycopeptides. Journal of the American Society for Mass Spectrometry, 2022, 33, 1458-1464.	2.8	2
96	Covalent organic nanospheres as a fiber coating for solid-phase microextraction of genotoxic impurities followed by analysis using gas chromatographyâ€“mass spectrometry. Journal of Pharmaceutical Analysis, 2021, , .	5.3	1
97	Development of an All-in-One Protein Digestion Platform Using Sorbent-Attached Membrane Funnel-Based Spray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 2218-2225.	2.8	0