

Chuan-Fan Ding

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Poly (methacrylic acid-co-diethenyl-benzene) monolithic microextraction column and its application to simultaneous enrichment and analysis of mycotoxins. <i>Talanta</i> , 2018, 178, 1-8.	5.5	33
2	Performance and geometry optimization of the ceramic-based rectilinear ion traps. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2068-2074.	1.5	28
3	Binary magnetic metal-organic frameworks composites: a promising affinity probe for highly selective and rapid enrichment of mono- and multi-phosphopeptides. <i>Mikrochimica Acta</i> , 2019, 186, 832.	5.0	28
4	Post-synthesis modification of covalent organic frameworks for ultrahigh enrichment of low-abundance glycopeptides from human saliva and serum. <i>Talanta</i> , 2022, 236, 122831.	5.5	26
5	Detection of trans-fatty acids by high performance liquid chromatography coupled with in-tube solid-phase microextraction using hydrophobic polymeric monolith. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1040, 214-221.	2.3	23
6	Gas-phase complexation of α - β -cyclodextrin with amino acids studied by ion mobility-mass spectrometry and molecular dynamics simulations. <i>Talanta</i> , 2018, 186, 1-7.	5.5	23
7	Identification of Bi-2-naphthol and Its Phosphate Derivatives Complexed with Cyclodextrin and Metal Ions Using Trapped Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 15096-15104.	6.5	21
8	Distinguishment of Glycan Isomers by Trapped Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 9209-9217.	6.5	20
9	Distinction of chiral penicillamine using metal-ion coupled cyclodextrin complex as chiral selector by trapped ion mobility-mass spectrometry and a structure investigation of the complexes. <i>Analytica Chimica Acta</i> , 2021, 1184, 339017.	5.4	19
10	Gold nanoparticle-glutathione functionalized MOFs as hydrophilic materials for the selective enrichment of glycopeptides. <i>Talanta</i> , 2021, 228, 122263.	5.5	17
11	Efficient separation of phosphopeptides employing a Ti/Nb-functionalized core-shell structure solid-phase extraction nanosphere. <i>Mikrochimica Acta</i> , 2021, 188, 32.	5.0	14
12	The chirality determination of amino acids by forming complexes with cyclodextrins and metal ions using ion mobility spectrometry, and a DFT calculation. <i>Talanta</i> , 2022, 243, 123363.	5.5	14
13	Post-synthesis of boric acid-functionalized magnetic covalent organic framework as an affinity probe for the enrichment of N-glycopeptides. <i>Mikrochimica Acta</i> , 2021, 188, 336.	5.0	13
14	Simultaneous enrichment and analysis of tobacco alkaloids by microextraction coupled with mass spectrometry using a poly (N-isopropyl-acrylamide-co-divinyl-benzene-co-N, N'-methylene diacrylamide) monolithic column. <i>Talanta</i> , 2019, 198, 118-127.	5.5	12
15	Self-assembly of poly(ionic liquid) functionalized mesoporous magnetic microspheres for the solid-phase extraction of preservatives from milk samples. <i>Journal of Separation Science</i> , 2020, 43, 766-773.	2.5	12
16	Reactions of Transition-Metal Carbene Cations with Ethylene in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2628-2633.	2.5	12
17	Linear ion trap with added octopole field component: the property and method. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1400-1408.	1.6	11
18	Postsynthesis of zwitterionic hydrophilic composites for enhanced enrichment of N-linked glycopeptides from human serum. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8607.	1.5	11

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19	Direct distinction of ibuprofen and flurbiprofen enantiomers by ion mobility mass spectrometry of their ternary complexes with metal cations and cyclodextrins in the gas phase. <i>Journal of Separation Science</i> , 2021, 44, 2474-2482.	2.5	11
20	Metal organic frameworks as advanced adsorbent materials for separation and analysis of complex samples. <i>Journal of Chromatography A</i> , 2022, 1671, 462971.	3.7	11
21	A novel asymmetrical arc-shaped electrode ion trap for improving the performance of a miniature mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1764-1768.	1.5	10
22	<i>In situ</i> synthesis of a novel metal oxide affinity chromatography affinity probe for the selective enrichment of low-abundance phosphopeptides. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8881.	1.5	10
23	Post-synthesis of biomimetic chitosan with honeycomb-like structure for sensitive recognition of phosphorylated peptides. <i>Journal of Chromatography A</i> , 2021, 1643, 462072.	3.7	10
24	A simple strategy for d-l malic acid recognition and quantification using trapped ion mobility spectrometry. <i>Microchemical Journal</i> , 2021, 167, 106301.	4.5	10
25	Recognition of Cis-Trans and Chiral Proline and Its Derivatives by Ion Mobility Measurement of Their Complexes with Natamycin and Metal Ion. <i>Analytical Chemistry</i> , 2022, 94, 3553-3564.	6.5	10
26	Studies on the non-covalent interactions between cyclodextrins and aryl alkanol piperazine derivatives by mass spectrometry and fluorescence spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2255-2261.	1.5	9
27	Direct and simultaneous recognition of the positional isomers of aminobenzenesulfonic acid by TIMS-TOF-MS. <i>Talanta</i> , 2021, 226, 122085.	5.5	9
28	Graphene functionalized with structurally complementary amino acids for sensitive recognition of N-linked glycopeptides. <i>Journal of Chromatography A</i> , 2021, 1655, 462505.	3.7	9
29	Interaction and Inhibition of a <i>Ganoderma lucidum</i> Proteoglycan on PTP1B Activity for Anti-diabetes. <i>ACS Omega</i> , 2021, 6, 29804-29813.	3.5	9
30	One-step preparation of magnetic zwitterionic-hydrophilic dual functional nanospheres for in-depth glycopeptides analysis in Alzheimer's disease patients' serum. <i>Journal of Chromatography A</i> , 2022, 1669, 462929.	3.7	9
31	Construction of boric acid-functionalized metal-organic frameworks for glycopeptide recognition in the serum of cervical cancer patients. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9314.	1.5	9
32	Investigation of protonated and sodiated leucine-enkephalin by hydrogen-deuterium exchange and theoretical calculations. <i>Analytical Methods</i> , 2015, 7, 5551-5556.	2.7	8
33	Electro-Filtering Spray Ionization Source for Soil Analysis. <i>Analytical Letters</i> , 2016, 49, 282-289.	1.8	7
34	Characteristics of Ion Activation and Collision Induced Dissociation Using Digital Ion Trap Technology. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1351-1356.	2.8	7
35	Modified Carbon Nanotubes Decorated with ZIFs as New Immobilized Metal Ion Affinity Chromatography Platform for Enrichment of Phosphopeptides. <i>ChemistrySelect</i> , 2021, 6, 1313-1319.	1.5	7
36	One-step preparation of carbonaceous spheres rich in phosphate groups via hydrothermal carbonization for effective phosphopeptides enrichment. <i>Journal of Chromatography A</i> , 2021, 1651, 462285.	3.7	7

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37	The thermodynamic and kinetic mechanisms of a <i>Ganoderma lucidum</i> proteoglycan inhibiting hIAPP amyloidosis. <i>Biophysical Chemistry</i> , 2021, 280, 106702.	2.8	7
38	Effect of Transition-Metal Ions on the Conformation of Enkephalin Investigated by Hydrogen/Deuterium Exchange and Theoretical Calculations. <i>Journal of Physical Chemistry B</i> , 2020, 124, 101-109.	2.6	6
39	Discrimination of Aminobiphenyl Isomers in the Gas Phase and Investigation of Their Complex Conformations. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 716-724.	2.8	6
40	Structural resolution of disaccharides through halogen anion complexation using negative trapped ion mobility spectrometry. <i>Talanta</i> , 2021, 230, 122348.	5.5	6
41	Simulation of the simultaneous dual-frequency resonance excitation of ions in a linear ion trap. <i>Journal of Mass Spectrometry</i> , 2018, 53, 109-114.	1.6	5
42	Simultaneous enrichment and analysis of benzimidazole by in-tube SPME-MS based on poly (3-Acrylamidophenylboronic acid-co-divinylbenzene-co-N,N'-methylenebisacrylamide) monolithic column. <i>Talanta</i> , 2021, 224, 121402.	5.5	5
43	Nebulization Swab Assisted Photoionization Tandem Miniaturized Ion Trap Mass Spectrometry for On-Site Analysis of Nonvolatile Compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 898-906.	2.8	5
44	Enhancement of Ion Activation and Collision-Induced Dissociation by Simultaneous Dipolar Excitation of Ions in <i>x</i> - and <i>y</i> -Directions in a Linear Ion Trap. <i>Analytical Chemistry</i> , 2015, 87, 5561-5567.	6.5	4
45	Investigation of Non-covalent Interactions of 18-Crown-6 with Amino Acids in Gas Phase by Mass Spectrometry. <i>Chinese Journal of Analytical Chemistry</i> , 2018, 46, 273-279.	1.7	4
46	Antibiotic analysis using Electro-Filtering Paper Spray Ionization. <i>Talanta</i> , 2018, 190, 110-118.	5.5	4
47	Facile Preparation of a Nanocomposite with Bifunctional Groups for the Separation and Analysis of Phosphopeptides in Human Saliva. <i>ChemistrySelect</i> , 2020, 5, 11152-11158.	1.5	4
48	The non-covalent complexes of β - or γ -cyclodextrin with divalent metal cations determined by mass spectrometry. <i>Carbohydrate Research</i> , 2020, 492, 107987.	2.3	4
49	Measurement of the effective electric field radius on digital ion trap spectrometer. <i>Analyst</i> , 2021, 146, 3810-3817.	3.5	4
50	Enantio-separation of pregabalin by ternary complexation using trapped ion mobility spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9052.	1.5	4
51	Hydrophilic carrageenan functionalized magnetic carbon-based framework linked by silane coupling agent for the enrichment of <i>N</i> -glycopeptides from human saliva. <i>Journal of Separation Science</i> , 2021, 44, 2143-2152.	2.5	4
52	Mass peak shape improvement of a quadrupole mass filter when operating with a rectangular wave power supply. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2793-2801.	1.5	3
53	Rapid Mass Analysis of Reserpine and Arginine by Ion Trap Mass Spectrometer. <i>Chinese Journal of Analytical Chemistry</i> , 2015, 43, 949-954.	1.7	3
54	Theoretical Study of Dual-Direction Dipolar Excitation of Ions in Linear Ion Traps. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 596-606.	2.8	3

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55	Exploring halide anion affinities to native cyclodextrins by mass spectrometry and molecular modelling. <i>European Journal of Mass Spectrometry</i> , 2018, 24, 269-278.	1.0	3
56	Investigation of noncovalent interactions between peptides with potential intrinsic sequence patterns by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8736.	1.5	3
57	In-Situ and High-Throughput Determination of Antibiotics in Pork Using Electro-Filter Paper Spray Ionization Tandem Miniature Ion Trap Mass Spectrometry. <i>Analytical Letters</i> , 2023, 56, 618-629.	1.8	3
58	Interaction Between Cytochrome c and the Hapten 2,4-Dinitro-fluorobenzene by Electrospray Ionization Mass Spectrometry. <i>Chinese Journal of Chemical Physics</i> , 2008, 21, 217-220.	1.3	2
59	Analytical Performance of Printed Circuit Board Ion Trap Array Mass Analyzer with Electrospray Ionization. <i>Chinese Journal of Analytical Chemistry</i> , 2013, 41, 152-158.	1.7	2
60	Structure and Property of Ladder Electrode Linear Ion Trap Mass Analyzer. <i>Chinese Journal of Analytical Chemistry</i> , 2016, 44, 994-1000.	1.7	2
61	An Orbital Trap Mass Analyzer Using a Hybrid Magnetic-Electric Field: A Simulation Study. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 613-622.	2.8	2
62	Application of the poly (POSS-octavinyl-co-N-methylacetamide-co-divinylbenzene) solid extraction column in analyzing preservatives. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1493-1501.	3.7	2
63	Bis-amino acid functionalized biomimetic honeycomb chitosan membrane as a multifunctional hydrophilic probe for specific capture of N-glycosylated glycopeptides in nasopharyngeal carcinoma's disease patient's serum. <i>Journal of Separation Science</i> , 2022, , .	2.5	2
64	Linear ion trap mass selectivity with impulse power supply and sinusoidal dipolar excitation. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2664-2670.	1.5	1
65	Mass filter with phase modulation of radio frequency voltage. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4645.	1.6	1
66	Quantifying Non-covalent Binding Interactions between Tobacco Alkaloids and Cyclodextrin Using Mass Spectrometry and the Application in Cigarette Smoke. <i>ChemistrySelect</i> , 2020, 5, 6658-6665.	1.5	1
67	Investigation of the effect of octopole electric field on the linear ion trap and an asymmetric Semi-Circular Linear ion trap Analyzer. <i>Analyst</i> , The, 2021, 146, 6455-6462.	3.5	1
68	Conformation Changes of Enkephalin in Coordination with Pb ²⁺ Investigated by Gas Phase Hydrogen/Deuterium Exchange Mass Spectrometry Combined with Theoretical Calculations. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 572-578.	2.6	1
69	Performance Investigation of Ion Trap with Various Collision Gas and Pressures. <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 587-592.	1.7	0