

Bin Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6364542/publications.pdf>

Version: 2024-02-01

91
papers

3,304
citations

126907

33
h-index

161849

54
g-index

92
all docs

92
docs citations

92
times ranked

2745
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospray ionization mass spectrometry with wooden tips: A review. <i>Analytica Chimica Acta</i> , 2022, 1209, 339136.	5.4	13
2	Probing the formation of anhydrovinblastine in <i>Catharanthus roseus</i> by single-cell mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2022, 473, 116793.	1.5	2
3	Three new flavonoid glycosides from the aerial parts of <i>Allium sativum</i> L. and their anti-platelet aggregation assessment. <i>Natural Product Research</i> , 2022, 36, 5940-5949.	1.8	4
4	Recent advances in facemask devices for in vivo sampling of human exhaled breath aerosols and inhalable environmental exposures. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 151, 116600.	11.4	21
5	Solid phase microextraction for human breath analysis of environmental and occupational exposures: A review. <i>Advances in Sample Preparation</i> , 2022, 3, 100023.	3.0	8
6	Contactless electrospray ionization mass spectrometry for direct detection of analytes in living organisms. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4539.	1.6	3
7	Comparative study on a kilowatt-MPT-MS-based method with two ion polarity modes for the inert palladium metal. <i>Analyst</i> , 2021, 146, 1760-1771.	3.5	4
8	Comparative Research of Chemical Profiling in Different Parts of <i>Fissistigma oldhamii</i> by Ultra-High-Performance Liquid Chromatography Coupled with Hybrid Quadrupole-Orbitrap Mass Spectrometry. <i>Molecules</i> , 2021, 26, 960.	3.8	7
9	In vivo solid-phase microextraction swab-mass spectrometry for multidimensional analysis of human saliva. <i>Analytica Chimica Acta</i> , 2021, 1164, 338510.	5.4	18
10	Mass Spectrometry-Based Human Breath Analysis: Towards COVID-19 Diagnosis and Research. <i>Journal of Analysis and Testing</i> , 2021, 5, 287-297.	5.1	38
11	In situ solid phase microextraction sampling of analytes from living human objects for mass spectrometry analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116368.	11.4	34
12	Schirmer paper tear sampling of human eye diseases for paper spray mass spectrometry analysis. <i>International Journal of Mass Spectrometry</i> , 2021, 469, 116689.	1.5	4
13	Paper-in-Facemask Device for Direct Mass Spectrometry Analysis of Human Respiratory Aerosols and Environmental Exposures via Wearable Continuous-Flow Adsorptive Sampling: A Proof-of-Concept Study. <i>Analytical Chemistry</i> , 2021, 93, 13743-13748.	6.5	22
14	Molecular signatures between citrus and <i>Candidatus Liberibacter asiaticus</i> . <i>PLoS Pathogens</i> , 2021, 17, e1010071.	4.7	23
15	Rapid detection of pesticides in honey by solid-phase microextraction coupled with electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4380.	1.6	9
16	SNX10 (sorting nexin 10) inhibits colorectal cancer initiation and progression by controlling autophagic degradation of SRC. <i>Autophagy</i> , 2020, 16, 735-749.	9.1	43
17	Direct Detection of Lysozyme in Viscous Raw Hen Egg White Binding to Sodium Dodecyl Sulfonate by Reactive Wooden-tip Electrospray Ionization Mass Spectrometry. <i>Analytical Sciences</i> , 2020, 36, 341-346.	1.6	7
18	Solid-Phase Microextraction Fiber in Face Mask for in Vivo Sampling and Direct Mass Spectrometry Analysis of Exhaled Breath Aerosol. <i>Analytical Chemistry</i> , 2020, 92, 11543-11547.	6.5	67

#	ARTICLE	IF	CITATIONS
19	InÂvivo solid-phase microextraction swab sampling of environmental pollutants and drugs in human body for nano-electrospray ionization mass spectrometry analysis. <i>Analytica Chimica Acta</i> , 2020, 1124, 71-77.	5.4	25
20	Schirmer Paper Noninvasive Microsampling for Direct Mass Spectrometry Analysis of Human Tears. <i>Analytical Chemistry</i> , 2020, 92, 6207-6212.	6.5	39
21	Investigating distributions and changes of alkaloids in living <i>Catharanthus roseus</i> under low-phosphorus stress using wooden-tip electrospray ionisation mass spectrometry. <i>Phytochemical Analysis</i> , 2020, 31, 739-746.	2.4	9
22	Vibrating tip spray ionization mass spectrometry for direct sample analysis. <i>Journal of Mass Spectrometry</i> , 2019, 54, 772-779.	1.6	9
23	Simple Fabrication of Solid-Phase Microextraction with Surface-Coated Aluminum Foil for Enhanced Detection of Analytes in Biological and Clinical Samples by Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 9430-9434.	6.5	35
24	Fast-switching high-voltage porous-tip electrospray ionization mass spectrometry for rapid detection of antirheumatic drugs in adulterated herbal dietary supplements. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1877-1883.	1.5	5
25	Direct coupling of solid phase microextraction with electrospray ionization mass spectrometry: A Case study for detection of ketamine in urine. <i>Analytica Chimica Acta</i> , 2019, 1075, 112-119.	5.4	37
26	Comprehensive comparison of ambient mass spectrometry with desorption electrospray ionization and direct analysis in real time for direct sample analysis. <i>Talanta</i> , 2019, 203, 140-146.	5.5	14
27	Nanotechnology-Mediated Drug Delivery for the Treatment of Obesity and Its Related Comorbidities. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801184.	7.6	28
28	Development of tip-desorption electrospray ionization coupled with ion mobility-mass spectrometry for fast screening of carbapenemase-producing bacteria. <i>Talanta</i> , 2019, 201, 237-244.	5.5	7
29	Detection and Seasonal Variations of Huanglongbing Disease in Navel Orange Trees Using Direct Ionization Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2265-2271.	5.2	21
30	High-throughput polymer tip-electrospray ionization mass spectrometry for enhanced detection of neopterin and biopterin in clinical urine samples. <i>Journal of Mass Spectrometry</i> , 2019, 54, 189-194.	1.6	6
31	Electrostatic field-induced tip-electrospray ionization mass spectrometry for direct analysis of raw food materials. <i>Journal of Mass Spectrometry</i> , 2019, 54, 73-80.	1.6	10
32	Analytical properties of electrospray ionization mass spectrometry with solid substrates and nonpolar solvents. <i>Analytica Chimica Acta</i> , 2019, 1050, 105-112.	5.4	18
33	Cystathionine β -lyase deficiency aggravates obesity-related insulin resistance via FoxO1-dependent hepatic gluconeogenesis. <i>FASEB Journal</i> , 2019, 33, 4212-4224.	0.5	28
34	Rapid detection and quantitation of drugs-of-abuse by wooden-tip electrospray ionization mass spectrometry. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 428-438.	1.9	25
35	SNX10 mediates alcohol-induced liver injury and steatosis by regulating the activation of chaperone-mediated autophagy. <i>Journal of Hepatology</i> , 2018, 69, 129-141.	3.7	54
36	Surface-Modified Wooden-Tip Electrospray Ionization Mass Spectrometry for Enhanced Detection of Analytes in Complex Samples. <i>Analytical Chemistry</i> , 2018, 90, 1759-1766.	6.5	58

#	ARTICLE	IF	CITATIONS
37	Sorting nexin 10 acts as a tumor suppressor in tumorigenesis and progression of colorectal cancer through regulating chaperone mediated autophagy degradation of p21Cip1/WAF1. <i>Cancer Letters</i> , 2018, 419, 116-127.	7.2	36
38	Detection of native proteins using solid-substrate electrospray ionization mass spectrometry with nonpolar solvents. <i>Analytica Chimica Acta</i> , 2018, 1004, 51-57.	5.4	35
39	Rapid differentiation of <i>Ganoderma</i> species by direct ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 999, 99-106.	5.4	7
40	Analyte-substrate interactions at functionalized tip electrospray ionization mass spectrometry: Molecular mechanisms and applications. <i>Journal of Mass Spectrometry</i> , 2018, 53, 1222-1229.	1.6	16
41	Tiotropium in Early-Stage Chronic Obstructive Pulmonary Disease. <i>New England Journal of Medicine</i> , 2017, 377, 923-935.	27.0	189
42	Principles and applications of solid-substrate electrospray ionization mass spectrometry. <i>Scientia Sinica Chimica</i> , 2017, 47, 1365-1378.	0.4	2
43	Hydrogen Sulfide Up-Regulates the Expression of ATP-Binding Cassette Transporter A1 via Promoting Nuclear Translocation of PPAR α . <i>International Journal of Molecular Sciences</i> , 2016, 17, 635.	4.1	17
44	Global detection and semi-quantification of <i>Fritillaria</i> alkaloids in <i>Fritillariae Ussuriensis</i> Bulbus by a non-targeted multiple reaction monitoring approach. <i>Journal of Separation Science</i> , 2016, 39, 287-295.	2.5	14
45	Sorting nexin 10 acting as a novel regulator of macrophage polarization mediates inflammatory response in experimental mouse colitis. <i>Scientific Reports</i> , 2016, 6, 20630.	3.3	45
46	Mobility of Proteins in Porous Substrates under Electrospray Ionization Conditions. <i>Analytical Chemistry</i> , 2016, 88, 5585-5589.	6.5	23
47	Rapid detection of adulterated drugs in herbal dietary supplements by wooden-tip electrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2016, 8, 6840-6846.	2.7	19
48	Rapid authentication of <i>Gastrodiae</i> rhizoma by direct ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 938, 90-97.	5.4	20
49	A direct ionization mass spectrometry-based approach for differentiation of medicinal <i>Ephedra</i> species. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 492-498.	2.8	11
50	Thin layer chromatography coupled with electrospray ionization mass spectrometry for direct analysis of raw samples. <i>Journal of Chromatography A</i> , 2015, 1415, 155-160.	3.7	37
51	Electrospray Ionization on Solid Substrates. <i>Mass Spectrometry</i> , 2014, 3, S0028-S0028.	0.6	16
52	Fc-PIP Catalyzed Asymmetric Synthesis of <i>cis</i> -2,3-Dihydrobenzofurans. <i>Chinese Journal of Chemistry</i> , 2014, 32, 694-698.	4.9	13
53	Rapid identification of plant materials by wooden-tip electrospray ionization mass spectrometry and a strategy to differentiate the bulbs of <i>Fritillaria</i> . <i>Analytica Chimica Acta</i> , 2014, 820, 84-91.	5.4	48
54	Recent developments in stir bar sorptive extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2001-2026.	3.7	95

#	ARTICLE	IF	CITATIONS
55	Electrospray ionization with aluminum foil: A versatile mass spectrometric technique. <i>Analytica Chimica Acta</i> , 2014, 817, 1-8.	5.4	55
56	Preparation and characterization of magnetic nanoparticles for the on-line determination of gold, palladium, and platinum in mine samples based on flow injection micro-column preconcentration coupled with graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2014, 118, 231-237.	5.5	41
57	Analytical Properties of Solid-substrate Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 57-65.	2.8	64
58	Mass spectrometry: towards in vivo analysis of biological systems. <i>Molecular BioSystems</i> , 2013, 9, 915.	2.9	31
59	Rapid detection and quantitation of ketamine and norketamine in urine and oral fluid by wooden-tip electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2013, 138, 2239.	3.5	62
60	Fast Screening of Authentic Ginseng Products by Surface Desorption Atmospheric Pressure Chemical Ionization Mass Spectrometry. <i>Planta Medica</i> , 2013, 79, 169-174.	1.3	12
61	In Vivo and Real-time Monitoring of Secondary Metabolites of Living Organisms by Mass Spectrometry. <i>Scientific Reports</i> , 2013, 3, 2104.	3.3	44
62	Direct ionization of biological tissue for mass spectrometric analysis. <i>Analyst, The</i> , 2012, 137, 3613.	3.5	76
63	Direct detection of native proteins in biological matrices using extractive electrospray ionization mass spectrometry. <i>Analyst, The</i> , 2011, 136, 3599.	3.5	15
64	Determination of uranium isotopic ratio ($^{235}\text{U}/^{238}\text{U}$) using extractive electrospray ionization tandem mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 2045.	3.0	25
65	Coupling corona discharge for ambient extractive ionization mass spectrometry. <i>Analyst, The</i> , 2011, 136, 4977.	3.5	13
66	Electrospray Ionization Using Wooden Tips. <i>Analytical Chemistry</i> , 2011, 83, 8201-8207.	6.5	192
67	Neutral desorption extractive electrospray ionization mass spectrometry for fast screening sunscreen agents in cream cosmetic products. <i>Talanta</i> , 2011, 85, 1665-1671.	5.5	13
68	TOF-ESI/MS analysis of kidney stones possibly induced by the ingestion of melamine-containing milk products. <i>Surface and Interface Analysis</i> , 2011, 43, 313-316.	1.8	8
69	Development of Thermal Dissociation Atmospheric Chemical Ionization Source for Rapid Mass Spectrometry Analysis of Ambient Samples. <i>Chinese Journal of Analytical Chemistry</i> , 2011, 39, 288-292.	1.7	3
70	Differentiation of human kidney stones induced by melamine and uric acid using surface desorption atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 313-319.	1.6	19
71	Rapid characterization of complex viscous samples at molecular levels by neutral desorption extractive electrospray ionization mass spectrometry. <i>Nature Protocols</i> , 2011, 6, 1010-1025.	12.0	66
72	Facile Synthesis of Tetrahydroimidazolpyridinones via an MCR Involving 6-Cl-PMNI, Aldehydes, and Meldrum's Acid. <i>Synthetic Communications</i> , 2011, 41, 1112-1118.	2.1	4

#	ARTICLE	IF	CITATIONS
73	Innentitelbild: Sensitive Detection of Native Proteins Using Extractive Electrospray Ionization Mass Spectrometry (Angew. Chem. 17/2010). Angewandte Chemie, 2010, 122, 3012-3012.	2.0	0
74	Sensitive Detection of Native Proteins Using Extractive Electrospray Ionization Mass Spectrometry. Angewandte Chemie - International Edition, 2010, 49, 3053-3056.	13.8	86
75	Inside Cover: Sensitive Detection of Native Proteins Using Extractive Electrospray Ionization Mass Spectrometry (Angew. Chem. Int. Ed. 17/2010). Angewandte Chemie - International Edition, 2010, 49, 2950-2950.	13.8	2
76	Fast quantitative detection of cocaine in beverages using nanoextractive electrospray ionization tandem mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 290-293.	2.8	32
77	A rare bond between a soft metal (Fe) and a relatively hard base (RO ⁻ , R = phenolic moiety). Inorganic Chemistry Communication, 2010, 13, 1089-1092.	3.9	16
78	Principle and Application of Ambient Mass Spectrometry for Direct Analysis of Complex Samples. Chinese Journal of Analytical Chemistry, 2010, 38, 1069-1088.	1.7	64
79	A Highly Selective Ferrocene-Based Planar Chiral PIP (Fc-PIP) Acyl Transfer Catalyst for the Kinetic Resolution of Alcohols. Journal of the American Chemical Society, 2010, 132, 17041-17044.	13.7	98
80	On the Mechanism of Extractive Electrospray Ionization. Analytical Chemistry, 2010, 82, 4494-4500.	6.5	98
81	Extractive Electrospray Ionization Mass Spectrometry for Sensitive Detection of Uranyl Species in Natural Water Samples. Analytical Chemistry, 2010, 82, 282-289.	6.5	61
82	Rapid analysis of aerosol drugs using nano extractive electrospray ionization tandem mass spectrometry. Analyst, The, 2010, 135, 1259.	3.5	32
83	Tracing Origins of Complex Pharmaceutical Preparations Using Surface Desorption Atmospheric Pressure Chemical Ionization Mass Spectrometry. Analytical Chemistry, 2010, 82, 8060-8070.	6.5	37
84	Geometry-independent neutral desorption device for the sensitive EESI-MS detection of explosives on various surfaces. Analyst, The, 2010, 135, 779.	3.5	34
85	Imaging Melamine in Egg Samples by Surface Desorption Atmospheric Pressure Chemical Ionization Mass Spectrometry. Chinese Journal of Analytical Chemistry, 2009, 37, 315-318.	1.7	42
86	Neutral desorption using a sealed enclosure to sample explosives on human skin for rapid detection by EESI-MS. Journal of the American Society for Mass Spectrometry, 2009, 20, 719-722.	2.8	85
87	Detection of Melamine in Milk Products by Surface Desorption Atmospheric Pressure Chemical Ionization Mass Spectrometry. Analytical Chemistry, 2009, 81, 2426-2436.	6.5	265
88	Extractive Electrospray Ionization Mass Spectrometry toward in Situ Analysis without Sample Pretreatment. Analytical Chemistry, 2009, 81, 7724-7731.	6.5	50
89	Development of a Sonic Spray Ionization Source for the Mass Spectrometric Analysis of Proteins. Chinese Journal of Analytical Chemistry, 2008, 36, 266-272.	1.7	3
90	Chromium(III)-imprinted silica gel for speciation analysis of chromium in environmental water samples with ICP-MS detection. Talanta, 2008, 75, 536-543.	5.5	147

#	ARTICLE	IF	CITATIONS
91	A Sensitive and Accurate Assay for 7-Ethoxycoumarin Deethylase Activity Determination Using Column-Switching High-Performance Liquid Chromatography. , 1991, 1, 199-209.		0