

Zhong-Ping Yao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

2,235
citations

28
h-index

43
g-index

95
ext. papers

2,683
ext. citations

6.4
avg, IF

5.44
L-index

#	Paper	IF	Citations
91	Electrospray ionization mass spectrometry with wooden tips: A review.. <i>Analytica Chimica Acta</i> , 2022 , 1209, 339136	6.6	3
90	Chemical transformation of α -pinene-derived organosulfate via heterogeneous OH oxidation: implications for sources and environmental fates of atmospheric organosulfates. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 5685-5700	6.8	1
89	A distinct giant coat protein complex II vesicle population in <i>Arabidopsis thaliana</i> . <i>Nature Plants</i> , 2021 , 7, 1335-1346	11.5	1
88	Measurement of Intracellular Nitric Oxide with a Quantitative Mass Spectrometry Probe Approach. <i>Analytical Chemistry</i> , 2021 , 93, 8536-8543	7.8	0
87	Data storage using peptide sequences. <i>Nature Communications</i> , 2021 , 12, 4242	17.4	4
86	Quantitative analysis of blended oils by matrix-assisted laser desorption/ionization mass spectrometry and partial least squares regression. <i>Food Chemistry</i> , 2021 , 334, 127601	8.5	4
85	Interdomain flexibility and interfacial integrity of β -lactamase inhibitory protein (BLIP) modulate its binding to class A β -lactamases. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100980	5.4	0
84	An in vitro vesicle formation assay reveals cargo clients and factors that mediate vesicular trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
83	Dual-Mode Sensing Platform for Electrochemiluminescence and Colorimetry Detection Based on a Closed Bipolar Electrode. <i>Analytical Chemistry</i> , 2021 , 93, 12367-12373	7.8	4
82	Integrated hand-held electrochemical sensor for multicomponent detection in urine. <i>Biosensors and Bioelectronics</i> , 2021 , 193, 113534	11.8	7
81	Quantitative Analysis of α 1-Antitrypsin Glycosylation Isoforms in HCC Patients Using LC-HCD-PRM-MS. <i>Analytical Chemistry</i> , 2020 , 92, 8201-8208	7.8	10
80	A high-molecular weight exopolysaccharide from the Cs-HK1 fungus: Ultrasonic degradation, characterization and in vitro fecal fermentation. <i>Carbohydrate Polymers</i> , 2020 , 246, 116636	10.3	8
79	Enhancing enrichment ability of ZIF-8 mixed matrix membrane microextraction by reverse micelle strategy for analysis of multiple ionizable bioactive components in biological samples. <i>Talanta</i> , 2020 , 217, 121030	6.2	2
78	A novel liquid-liquid-solid microextraction strategy for bio-sample preparation by in situ self-assembly of zeolitic imidazolate framework 8 on hollow fiber membrane. <i>Analytica Chimica Acta</i> , 2020 , 1095, 118-128	6.6	11
77	Recent advances in differentiation of isomers by ion mobility mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 124, 115801	14.6	33
76	Effects of exopolysaccharide fractions with different molecular weights and compositions on fecal microflora during in vitro fermentation. <i>International Journal of Biological Macromolecules</i> , 2020 , 144, 76-84	7.9	12
75	Chiral mass spectrometry: An overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 123, 115763	14.6	11

74	Rewiring Neuronal Glycerolipid Metabolism Determines the Extent of Axon Regeneration. <i>Neuron</i> , 2020 , 105, 276-292.e5	13.9	44
73	Conformational Dynamics of the Helix 10 Region as an Allosteric Site in Class A β -Lactamase Inhibitory Binding. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13756-13767	16.4	7
72	Rapid detection of pesticides in honey by solid-phase micro-extraction coupled with electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2020 , 55, e4380	2.2	8
71	Untargeted metabolomics coupled with chemometric analysis reveals species-specific steroidal alkaloids for the authentication of medicinal <i>Fritillariae Bulbus</i> and relevant products. <i>Journal of Chromatography A</i> , 2020 , 1612, 460630	4.5	13
70	Diagnostic fragmentation-assisted mass spectral networking coupled with in silico dereplication for deep annotation of steroidal alkaloids in medicinal <i>Fritillariae Bulbus</i> . <i>Journal of Mass Spectrometry</i> , 2020 , 55, e4528	2.2	4
69	Continuous artificial synthesis of glucose precursor using enzyme-immobilized microfluidic reactors. <i>Nature Communications</i> , 2019 , 10, 4049	17.4	26
68	Reactive Blue-25 dye/TiO ₂ coated cotton fabrics with self-cleaning and UV blocking properties. <i>Cellulose</i> , 2019 , 26, 2821-2832	5.5	9
67	Atlastin-mediated membrane tethering is critical for cargo mobility and exit from the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 14029-14038	11.5	29
66	Characterization of Chemical Component Variations in Different Growth Years and Tissues of <i>Morinda Officinalis Radix</i> by Integrating Metabolomics and Glycomics. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 7304-7314	5.7	3
65	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	6.6	26
64	Photoactive cotton fabric for UV protection and self-cleaning.. <i>RSC Advances</i> , 2019 , 9, 18106-18114	3.7	24
63	Protein dynamics revealed by hydrogen/deuterium exchange mass spectrometry: Correlation between experiments and simulation. <i>Rapid Communications in Mass Spectrometry</i> , 2019 , 33 Suppl 3, 83-89	2.2	14
62	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	7	20
61	Self-Assembled Binuclear Cu(II)-Histidine Complex for Absolute Configuration and Enantiomeric Excess Determination of Naproxen by Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 4089-4097	7.8	10
60	Establishment of a spectral database for classification of edible oils using matrix-assisted laser desorption/ionization mass spectrometry. <i>Food Chemistry</i> , 2018 , 252, 335-342	8.5	22
59	The analysis of alpha-1-antitrypsin glycosylation with direct LC-MS/MS. <i>Electrophoresis</i> , 2018 , 39, 2351-2361	3.6	15
58	Surface-Modified Wooden-Tip Electrospray Ionization Mass Spectrometry for Enhanced Detection of Analytes in Complex Samples. <i>Analytical Chemistry</i> , 2018 , 90, 1759-1766	7.8	47
57	Protective effects of natural and partially degraded konjac glucomannan on <i>Bifidobacteria</i> against antibiotic damage. <i>Carbohydrate Polymers</i> , 2018 , 181, 368-375	10.3	26

56	Protection of Bifidobacterial cells against antibiotics by a high molecular weight exopolysaccharide of a medicinal fungus Cs-HK1 through physical interactions. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 312-319	7.9	6
55	Detection of native proteins using solid-substrate electrospray ionization mass spectrometry with nonpolar solvents. <i>Analytica Chimica Acta</i> , 2018 , 1004, 51-57	6.6	26
54	Rapid differentiation of Ganoderma species by direct ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2018 , 999, 99-106	6.6	6
53	Rapid differentiation of Schisandra sphenanthera and Schisandra chinensis by matrix-assisted laser desorption/ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2018 , 434, 258-263	4.9	3
52	Simultaneous detection of xenon and krypton in equine plasma by gas chromatography-tandem mass spectrometry for doping control. <i>Drug Testing and Analysis</i> , 2017 , 9, 317-322	3.5	5
51	A high throughput mass spectrometry screening analysis based on two-dimensional carbon microfiber fractionation system. <i>Journal of Chromatography A</i> , 2017 , 1501, 1-9	4.5	3
50	A strategy to identify and quantify closely related adulterant herbal materials by mass spectrometry-based partial least squares regression. <i>Analytica Chimica Acta</i> , 2017 , 977, 28-35	6.6	27
49	Chiral recognition and determination of enantiomeric excess by mass spectrometry: A review. <i>Analytica Chimica Acta</i> , 2017 , 968, 1-20	6.6	64
48	Targeting the Thioredoxin Reductase-Thioredoxin System from Staphylococcus aureus by Silver Ions. <i>Inorganic Chemistry</i> , 2017 , 56, 14823-14830	5.1	20
47	Chiral differentiation of amino acids through binuclear copper bound tetramers by ion mobility mass spectrometry. <i>Analytica Chimica Acta</i> , 2017 , 981, 62-70	6.6	34
46	Principles and applications of solid-substrate electrospray ionization mass spectrometry. <i>Scientia Sinica Chimica</i> , 2017 , 47, 1365-1378	1.6	2
45	A direct ionization mass spectrometry-based approach for differentiation of medicinal Ephedra species. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 117, 492-8	3.5	9
44	Rapid authentication of Gastrodiae rhizoma by direct ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2016 , 938, 90-7	6.6	15
43	PDZ-Reactive Peptide Activates Ephrin-B Reverse Signaling and Inhibits Neuronal Chemotaxis. <i>ACS Chemical Biology</i> , 2016 , 11, 149-58	4.9	25
42	Direct analysis of traditional Chinese medicines by mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1026, 2-14	3.2	17
41	Affinity Enhancement by Ligand Clustering Effect Inspired by Peptide Dendrimers-Shank PDZ Proteins Interactions. <i>PLoS ONE</i> , 2016 , 11, e0149580	3.7	6
40	Global detection and semi-quantification of Fritillaria alkaloids in Fritillariae Ussuriensis Bulbus by a non-targeted multiple reaction monitoring approach. <i>Journal of Separation Science</i> , 2016 , 39, 287-95	3.4	10
39	Mobility of Proteins in Porous Substrates under Electrospray Ionization Conditions. <i>Analytical Chemistry</i> , 2016 , 88, 5585-9	7.8	22

38	Slug-flow microextraction coupled with paper spray mass spectrometry for rapid analysis of complex samples. <i>Analytica Chimica Acta</i> , 2016 , 940, 143-9	6.6	23
37	Rapid detection of adulterated drugs in herbal dietary supplements by wooden-tip electrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2016 , 8, 6840-6846	3.2	18
36	Rapid screening of mixed edible oils and gutter oils by matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2015 , 884, 70-6	6.6	33
35	Thin layer chromatography coupled with electrospray ionization mass spectrometry for direct analysis of raw samples. <i>Journal of Chromatography A</i> , 2015 , 1415, 155-60	4.5	32
34	Surface-coated probe nanoelectrospray ionization mass spectrometry for analysis of target compounds in individual small organisms. <i>Analytical Chemistry</i> , 2015 , 87, 9923-30	7.8	64
33	Field-induced wooden-tip electrospray ionization mass spectrometry for high-throughput analysis of herbal medicines. <i>Analytica Chimica Acta</i> , 2015 , 887, 127-137	6.6	34
32	Rapid identification of plant materials by wooden-tip electrospray ionization mass spectrometry and a strategy to differentiate the bulbs of Fritillaria. <i>Analytica Chimica Acta</i> , 2014 , 820, 84-91	6.6	40
31	A general strategy for site-directed enzyme immobilization by using NiO nanoparticle decorated mesoporous silica. <i>Chemistry - A European Journal</i> , 2014 , 20, 7916-21	4.8	27
30	Direct analysis of herbal powders by pipette-tip electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2014 , 809, 109-16	6.6	30
29	Rapid analysis of raw solution samples by C18 pipette-tip electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2014 , 844, 1-7	6.6	16
28	Electrospray ionization with aluminum foil: A versatile mass spectrometric technique. <i>Analytica Chimica Acta</i> , 2014 , 817, 1-8	6.6	48
27	Electrospray Ionization on Solid Substrates. <i>Mass Spectrometry</i> , 2014 , 3, S0028	1.7	15
26	Pharmaceutical analysis by solid-substrate electrospray ionization mass spectrometry with wooden tips. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 37-47	3.5	29
25	Analytical properties of solid-substrate electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 57-65	3.5	61
24	Mass spectrometry: towards in vivo analysis of biological systems. <i>Molecular BioSystems</i> , 2013 , 9, 915-29		30
23	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, 2239-43	5	58
22	In vivo and real-time monitoring of secondary metabolites of living organisms by mass spectrometry. <i>Scientific Reports</i> , 2013 , 3, 2104	4.9	38
21	Rapid differentiation of Panax ginseng and Panax quinquefolius by matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2012 , 753, 73-81	6.6	19

20	Improved detection of phosphopeptides by negative ion matrix-assisted laser desorption/ionization mass spectrometry using a proton sponge co-matrix. <i>Analytica Chimica Acta</i> , 2012 , 711, 77-82	6.6	8
19	Direct ionization of biological tissue for mass spectrometric analysis. <i>Analyst, The</i> , 2012 , 137, 3613-9	5	70
18	Characterization of proteins by ambient mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2012 , 31, 437-471	4.1	48
17	Electrospray ionization using wooden tips. <i>Analytical Chemistry</i> , 2011 , 83, 8201-7	7.8	166
16	Novel fluorescent molecular clips: selective recognition towards Fe ³⁺ in aqueous solution. <i>Journal of Fluorescence</i> , 2011 , 21, 1103-10	2.4	14
15	Oil-assisted sample preparation: a simple method for analysis of solid samples using matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , 2011 , 83, 5175-81	7.8	8
14	The HC fragment of tetanus toxin forms stable, concentration-dependent dimers via an intermolecular disulphide bond. <i>Journal of Molecular Biology</i> , 2007 , 365, 123-34	6.5	13
13	Conformational dynamics of the molecular chaperone Hsp90 in complexes with a co-chaperone and anticancer drugs. <i>Journal of Molecular Biology</i> , 2007 , 372, 1189-203	6.5	37
12	The co-chaperone p23 arrests the Hsp90 ATPase cycle to trap client proteins. <i>Journal of Molecular Biology</i> , 2006 , 356, 746-58	6.5	162
11	Activation of ubiquitin ligase SCF(Skp2) by Cks1: insights from hydrogen exchange mass spectrometry. <i>Journal of Molecular Biology</i> , 2006 , 363, 673-86	6.5	18
10	Site-specific hydrogen exchange of proteins: insights into the structures of amyloidogenic intermediates. <i>Methods in Enzymology</i> , 2005 , 402, 389-402	1.7	10
9	Rapid microorganism identification with on-slide proteolytic digestion followed by matrix-assisted laser desorption/ionization tandem mass spectrometry and database searching. <i>Rapid Communications in Mass Spectrometry</i> , 2002 , 16, 1953-6	2.2	38
8	Mass spectrometry-based proteolytic mapping for rapid virus identification. <i>Analytical Chemistry</i> , 2002 , 74, 2529-34	7.8	76
7	Chiral analysis by electrospray ionization mass spectrometry/mass spectrometry. 1. Chiral recognition of 19 common amino acids. <i>Analytical Chemistry</i> , 2000 , 72, 5383-93	7.8	80
6	Chiral analysis by electrospray ionization mass spectrometry/mass spectrometry. 2. Determination of enantiomeric excess of amino acids. <i>Analytical Chemistry</i> , 2000 , 72, 5394-401	7.8	56
5	5-[o-(1-L-Phenylalanyl)amino]ethoxy]phenyl-10,15,20-triphenylporphyrin. <i>Molecules</i> , 2000 , 5, M173	4.8	
4	Chiral recognition of amino acids by electrospray ionisation mass spectrometry/mass spectrometry. <i>Chemical Communications</i> , 1999 , 2119-2120	5.8	39
3	Intermolecular Alkyl Transfer Reactions in the Fast Atom Bombardment Mass Spectrometry of Esters. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 955-960	2.2	3

- 2 Matrix-assisted laser desorption and fast-atom bombardment mass spectrometry of water-soluble phthalocyanines and their carboxyl derivatives. *Rapid Communications in Mass Spectrometry*, **1995**, 9, 230-232 2.2 7
- 1 Electron impact and methane chemical ionization mass spectrometry of trisilanes and trisiloxanes. *Organic Mass Spectrometry*, **1991**, 26, 24-28 2