

Zhong-Ping Yao

List of Publications by Year in descending order

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93
papers

3,021
citations

136740

32
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189595

50
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95
all docs

95
docs citations

95
times ranked

2941
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Electrospray Ionization Using Wooden Tips. <i>Analytical Chemistry</i> , 2011, 83, 8201-8207. | 3.2 | 192 |
| 2 | The Co-chaperone p23 Arrests the Hsp90 ATPase Cycle to Trap Client Proteins. <i>Journal of Molecular Biology</i> , 2006, 356, 746-758. | 2.0 | 179 |
| 3 | Chiral Analysis by Electrospray Ionization Mass Spectrometry/Mass Spectrometry. 1. Chiral Recognition of 19 Common Amino Acids. <i>Analytical Chemistry</i> , 2000, 72, 5383-5393. | 3.2 | 90 |
| 4 | Rewiring Neuronal Glycerolipid Metabolism Determines the Extent of Axon Regeneration. <i>Neuron</i> , 2020, 105, 276-292.e5. | 3.8 | 88 |
| 5 | Chiral recognition and determination of enantiomeric excess by mass spectrometry: A review. <i>Analytica Chimica Acta</i> , 2017, 968, 1-20. | 2.6 | 85 |
| 6 | Mass Spectrometry-Based Proteolytic Mapping for Rapid Virus Identification. <i>Analytical Chemistry</i> , 2002, 74, 2529-2534. | 3.2 | 84 |
| 7 | Direct ionization of biological tissue for mass spectrometric analysis. <i>Analyst, The</i> , 2012, 137, 3613. | 1.7 | 76 |
| 8 | Recent advances in differentiation of isomers by ion mobility mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115801. | 5.8 | 76 |
| 9 | Surface-Coated Probe Nanoelectrospray Ionization Mass Spectrometry for Analysis of Target Compounds in Individual Small Organisms. <i>Analytical Chemistry</i> , 2015, 87, 9923-9930. | 3.2 | 71 |
| 10 | Analytical Properties of Solid-substrate Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 57-65. | 1.2 | 64 |
| 11 | Chiral Analysis by Electrospray Ionization Mass Spectrometry/Mass Spectrometry. 2. Determination of Enantiomeric Excess of Amino Acids. <i>Analytical Chemistry</i> , 2000, 72, 5394-5401. | 3.2 | 62 |
| 12 | 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. | 1.7 | 62 |
| 13 | Continuous artificial synthesis of glucose precursor using enzyme-immobilized microfluidic reactors. <i>Nature Communications</i> , 2019, 10, 4049. | 5.8 | 60 |
| 14 | Surface-Modified Wooden-Tip Electrospray Ionization Mass Spectrometry for Enhanced Detection of Analytes in Complex Samples. <i>Analytical Chemistry</i> , 2018, 90, 1759-1766. | 3.2 | 58 |
| 15 | Electrospray ionization with aluminum foil: A versatile mass spectrometric technique. <i>Analytica Chimica Acta</i> , 2014, 817, 1-8. | 2.6 | 55 |
| 16 | Characterization of proteins by ambient mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2012, 31, 437-447. | 2.8 | 52 |
| 17 | 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. | 3.3 | 52 |
| 18 | Chiral differentiation of amino acids through binuclear copper bound tetramers by ion mobility mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 981, 62-70. | 2.6 | 49 |

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|----|---|-----|-----------|
| 19 | 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. | 2.6 | 48 |
| 20 | 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. | 2.6 | 47 |
| 21 | Photoactive cotton fabric for UV protection and self-cleaning. <i>RSC Advances</i> , 2019, 9, 18106-18114. | 1.7 | 46 |
| 22 | Conformational Dynamics of the Molecular Chaperone Hsp90 in Complexes with a Co-chaperone and Anticancer Drugs. <i>Journal of Molecular Biology</i> , 2007, 372, 1189-1203. | 2.0 | 44 |
| 23 | In Vivo and Real-time Monitoring of Secondary Metabolites of Living Organisms by Mass Spectrometry. <i>Scientific Reports</i> , 2013, 3, 2104. | 1.6 | 44 |
| 24 | Rapid screening of mixed edible oils and gutter oils by matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 884, 70-76. | 2.6 | 43 |
| 25 | 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, 1953-1956. | 0.7 | 42 |
| 26 | Chiral recognition of amino acids by electrospray ionisation mass spectrometry/mass spectrometry. <i>Chemical Communications</i> , 1999, , 2119-2120. | 2.2 | 41 |
| 27 | Field-induced wooden-tip electrospray ionization mass spectrometry for high-throughput analysis of herbal medicines. <i>Analytica Chimica Acta</i> , 2015, 887, 127-137. | 2.6 | 41 |
| 28 | 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. | 1.8 | 37 |
| 29 | 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. | 2.6 | 37 |
| 30 | Dual-Mode Sensing Platform for Electrochemiluminescence and Colorimetry Detection Based on a Closed Bipolar Electrode. <i>Analytical Chemistry</i> , 2021, 93, 12367-12373. | 3.2 | 37 |
| 31 | Protective effects of natural and partially degraded konjac glucomannan on <i>Bifidobacteria</i> against antibiotic damage. <i>Carbohydrate Polymers</i> , 2018, 181, 368-375. | 5.1 | 36 |
| 32 | Detection of native proteins using solid-substrate electrospray ionization mass spectrometry with nonpolar solvents. <i>Analytica Chimica Acta</i> , 2018, 1004, 51-57. | 2.6 | 35 |
| 33 | Direct analysis of herbal powders by pipette-tip electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 809, 109-116. | 2.6 | 34 |
| 34 | 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. | 1.2 | 33 |
| 35 | PDZ-Reactive Peptide Activates Ephrin-B Reverse Signaling and Inhibits Neuronal Chemotaxis. <i>ACS Chemical Biology</i> , 2016, 11, 149-158. | 1.6 | 33 |
| 36 | Mass spectrometry: towards in vivo analysis of biological systems. <i>Molecular BioSystems</i> , 2013, 9, 915. | 2.9 | 31 |

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|----|---|-----|-----------|
| 37 | A General Strategy for Site-Directed Enzyme Immobilization by Using NiO Nanoparticle Decorated Mesoporous Silica. <i>Chemistry - A European Journal</i> , 2014, 20, 7916-7921. | 1.7 | 31 |
| 38 | Chiral mass spectrometry: An overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115763. | 5.8 | 31 |
| 39 | Slug-flow microextraction coupled with paper spray mass spectrometry for rapid analysis of complex samples. <i>Analytica Chimica Acta</i> , 2016, 940, 143-149. | 2.6 | 29 |
| 40 | 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. | 4.2 | 29 |
| 41 | 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. | 5.1 | 29 |
| 42 | 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. | 1.8 | 28 |
| 43 | 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. | 3.6 | 28 |
| 44 | 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. | 0.9 | 25 |
| 45 | 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, . | 3.3 | 25 |
| 46 | Integrated hand-held electrochemical sensor for multicomponent detection in urine. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113534. | 5.3 | 25 |
| 47 | Targeting the Thioredoxin Reductase-Thioredoxin System from <i>Staphylococcus aureus</i> by Silver Ions. <i>Inorganic Chemistry</i> , 2017, 56, 14823-14830. | 1.9 | 24 |
| 48 | Activation of Ubiquitin Ligase SCFSkp2 by Cks1: Insights from Hydrogen Exchange Mass Spectrometry. <i>Journal of Molecular Biology</i> , 2006, 363, 673-686. | 2.0 | 23 |
| 49 | Mobility of Proteins in Porous Substrates under Electrospray Ionization Conditions. <i>Analytical Chemistry</i> , 2016, 88, 5585-5589. | 3.2 | 23 |
| 50 | Protein dynamics revealed by hydrogen/deuterium exchange mass spectrometry: Correlation between experiments and simulation. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 83-89. | 0.7 | 23 |
| 51 | 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. | 1.2 | 22 |
| 52 | The analysis of alpha ₁ -antitrypsin glycosylation with direct LC-MS/MS. <i>Electrophoresis</i> , 2018, 39, 2351-2361. | 1.3 | 22 |
| 53 | Rapid differentiation of <i>Panax ginseng</i> and <i>Panax quinquefolius</i> by matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2012, 753, 73-81. | 2.6 | 21 |
| 54 | Quantitative Analysis of \pm -1-Antitrypsin Glycosylation Isoforms in HCC Patients Using LC-HCD-PRM-MS. <i>Analytical Chemistry</i> , 2020, 92, 8201-8208. | 3.2 | 21 |

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|----|--|-----|-----------|
| 55 | Rapid authentication of Gastrodiae rhizoma by direct ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 938, 90-97. | 2.6 | 20 |
| 56 | 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. | 2.6 | 20 |
| 57 | Data storage using peptide sequences. <i>Nature Communications</i> , 2021, 12, 4242. | 5.8 | 20 |
| 58 | Rapid detection of adulterated drugs in herbal dietary supplements by wooden-tip electrospray ionization mass spectrometry. <i>Analytical Methods</i> , 2016, 8, 6840-6846. | 1.3 | 19 |
| 59 | Rapid analysis of raw solution samples by C18 pipette-tip electrospray ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 844, 1-7. | 2.6 | 17 |
| 60 | Electrospray Ionization on Solid Substrates. <i>Mass Spectrometry</i> , 2014, 3, S0028-S0028. | 0.2 | 16 |
| 61 | Reactive Blue-25 dye/TiO ₂ coated cotton fabrics with self-cleaning and UV blocking properties. <i>Cellulose</i> , 2019, 26, 2821-2832. | 2.4 | 16 |
| 62 | Novel Fluorescent Molecular Clips: Selective Recognition Towards Fe ³⁺ in Aqueous Solution. <i>Journal of Fluorescence</i> , 2011, 21, 1103-1110. | 1.3 | 15 |
| 63 | 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. | 3.2 | 15 |
| 64 | 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. | 6.6 | 15 |
| 65 | A distinct giant coat protein complex II vesicle population in <i>Arabidopsis thaliana</i> . <i>Nature Plants</i> , 2021, 7, 1335-1346. | 4.7 | 15 |
| 66 | The HC Fragment of Tetanus Toxin forms Stable, Concentration-dependent Dimers via an Intermolecular Disulphide Bond. <i>Journal of Molecular Biology</i> , 2007, 365, 123-134. | 2.0 | 14 |
| 67 | 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. | 1.3 | 14 |
| 68 | 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. | 4.2 | 14 |
| 69 | Electrospray ionization mass spectrometry with wooden tips: A review. <i>Analytica Chimica Acta</i> , 2022, 1209, 339136. | 2.6 | 13 |
| 70 | A direct ionization mass spectrometry-based approach for differentiation of medicinal Ephedra species. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 492-498. | 1.4 | 11 |
| 71 | 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. | 3.6 | 11 |
| 72 | Diagnostic fragmentation-assisted mass spectral networking coupled with in silico dereplication for deep annotation of steroidal alkaloids in medicinal <i>Fritillariae</i> Bulbus. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4528. | 0.7 | 11 |

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|----|---|-----|-----------|
| 73 | Site-specific Hydrogen Exchange of Proteins: Insights into the Structures of Amyloidogenic Intermediates. <i>Methods in Enzymology</i> , 2005, 402, 389-402. | 0.4 | 10 |
| 74 | 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. | 2.6 | 10 |
| 75 | Rapid differentiation of <i>Schisandra sphenanthera</i> and <i>Schisandra chinensis</i> by matrix-assisted laser desorption/ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2018, 434, 258-263. | 0.7 | 10 |
| 76 | 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. | 2.4 | 10 |
| 77 | 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. | 1.8 | 9 |
| 78 | 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. | 0.7 | 9 |
| 79 | 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, 5175-5181. | 3.2 | 8 |
| 80 | 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. | 1.6 | 8 |
| 81 | Matrix-assisted laser desorption and fast-atom bombardment mass spectrometry of water-soluble phthalocyanines and their carboxyl derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 230-232. | 0.7 | 7 |
| 82 | Rapid differentiation of <i>Ganoderma</i> species by direct ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 999, 99-106. | 2.6 | 7 |
| 83 | Measurement of Intracellular Nitric Oxide with a Quantitative Mass Spectrometry Probe Approach. <i>Analytical Chemistry</i> , 2021, 93, 8536-8543. | 3.2 | 7 |
| 84 | Affinity Enhancement by Ligand Clustering Effect Inspired by Peptide Dendrimers-Shank PDZ Proteins Interactions. <i>PLoS ONE</i> , 2016, 11, e0149580. | 1.1 | 6 |
| 85 | 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. | 2.9 | 5 |
| 86 | 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. | 1.9 | 4 |
| 87 | Intermolecular Alkyl Transfer Reactions in the Fast Atom Bombardment Mass Spectrometry of Esters. <i>Journal of Mass Spectrometry</i> , 1996, 31, 955-960. | 0.7 | 3 |
| 88 | Electron impact and methane chemical ionization mass spectrometry of trisilanes and trisiloxanes. <i>Organic Mass Spectrometry</i> , 1991, 26, 24-28. | 1.3 | 2 |
| 89 | 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. | 1.6 | 2 |
| 90 | Principles and applications of solid-substrate electrospray ionization mass spectrometry. <i>Scientia Sinica Chimica</i> , 2017, 47, 1365-1378. | 0.2 | 2 |

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|----|--|-----|-----------|
| 91 | Least absolute shrinkage and selection operator-based prediction of collision cross section values for ion mobility mass spectrometric analysis of lipids. <i>Analyst, The</i> , 2022, 147, 1236-1244. | 1.7 | 2 |
| 92 | Meet the Associate Editors: Zhongping Yao. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 26-26. | 0.7 | 0 |
| 93 | 5-[o-(1-L-Phenylalanyl)amino]ethoxyl]phenyl-10,15,20-triphenylporphyrin. <i>Molecules</i> , 2000, 5, M173. | 1.7 | 0 |