Hongying Zhong

List of Publications by Year
in descending order

33 papers	671 citations	840776 11 h-index	552781 26 g-index
34 all docs	34 docs citations	34 times ranked	877 citing authors

#	Article	IF	Citations
1	Cell-Based Ambient Venturi Autosampling and Matrix-Assisted Laser Desorption Ionization Mass Spectrometric Imaging of Secretory Products. Analytical Chemistry, 2022, 94, 3456-3466.	6.5	1
2	Electrophoresis of Phosphoproteins on a Tandem Polymerized Gel. Analytical Chemistry, 2022, 94, 7466-7474.	6.5	0
3	Metalâ€“organic framework on porous TiO2 thin film-coated alumina beads for fractional distillation of plant essential oils. Analytical and Bioanalytical Chemistry, 2022, 414, 4809-4819.	3.7	1
4	Competing Deprotonation and Electron Capture Dissociation in MALDI Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2021, 32, 322-329.	2.8	2
5	A Soft Evaporation and Ionization Technique for Mass Spectrometric Analysis and Bio-Imaging of Metal Ions in Plants Based on Metalâ€“Iodide Cluster Ionization. Analytical Chemistry, 2021, 93, 15597-15606.	6.5	1
6	Real-time laser induced chemical derivatizations of peptide N-Terminus for in-situ mass spectrometric sequencing at sub-picomole and nanosecond scale. Analytica Chimica Acta, 2020, 1100, 1-11.	5.4	0
7	Monitoring of adsorption and transfer of organochlorines in soybean seeds and sprouts with mass spectrometric imaging. Analytica Chimica Acta, 2020, 1130, 10-19.	5.4	2
8	Electron Acceptive Mass Tag for Mass Spectrometric Imaging-Guided Synergistic Targeting to Mice Brain Glutamate Receptors. ACS Chemical Neuroscience, 2019, 10, 757-767.	3.5	1
9	Mass spectrometric imaging reveals photocatalytic degradation intermediates of aromatic organochlorines resulting from interfacial photoelectron transfer and hydroxyl radical abstraction on semiconductor nanoparticles. Analytica Chimica Acta, 2019, 1054, 104-113.	5.4	4
10	Ion fragmentations via photoelectron activated radical relays and competed hole oxidization on semiconductor nanoparticles for mass spectrometry. Analytica Chimica Acta, 2018, 1044, 1-11.	5.4	1
11	Mass spectrometric monitoring of interfacial photoelectron transfer and imaging of active crystalline facets of semiconductors. Nature Communications, 2017, 8, 14524.	12.8	27
12	Imaging of Endogenous Metabolites of Plant Leaves by Mass Spectrometry Based on Laser Activated Electron Tunneling. Scientific Reports, 2016, 6, 24164.	3.3	16
13	Titanium Dioxide Photocatalytic Polymerization of Acrylamide for Gel Electrophoresis (TIPPAGE) of Proteins and Structural Identification by Mass Spectrometry. Scientific Reports, 2016, 6, 20981.	3.3	9
14	Ultraviolet irradiation-induced substitution of fluorine with hydroxyl radical for mass spectrometric analysis of perfluorooctane sulfonyl fluoride. Analytica Chimica Acta, 2016, 905, 100-105.	5.4	7
15	Laser Activated Electron Tunneling Based Mass Spectrometric Imaging of Molecular Architectures of Mouse Brain Revealing Regional Specific Lipids. Analytical Chemistry, 2016, 88, 732-739.	6.5	6
16	Chemical Imaging of Latent Fingerprints by Mass Spectrometry Based on Laser Activated Electron Tunneling. Analytical Chemistry, 2015, 87, 2693-2701.	6.5	54
17	Photo-catalytic Activities of Plant Hormones on Semiconductor Nanoparticles by Laser-Activated Electron Tunneling and Emitting. Scientific Reports, 2015, 5, 8893.	3.3	5
18	Cu2+-assisted two dimensional charge-mass double focusing gel electrophoresis and mass spectrometric analysis of histone variants. Analytica Chimica Acta, 2014, 852, 121-128.	5.4	5

#	Article	IF	Citations
19	Compressed matrix thin film (CMTF)-assisted laser desorption ionization mass spectrometric analysis. Analytica Chimica Acta, 2013, 786, 85-94.	5.4	4
20	Mass spectrometric analysis of mono- and multi-phosphopeptides by selective binding with NiZnFe2O4 magnetic nanoparticles. Nature Communications, 2013, 4, 1656.	12.8	79
21	Desalting of phosphopeptides by tandem polypyrrole-c18 reverse phase micropipette tip (TMTipPPY-C18) based on hybrid electrostatic, Îâ€“Î stacking and hydrophobic interactions for mass spectrometric analysis. Analytica Chimica Acta, 2012, 724, 73-79.	5.4	7
22	Measurement of laser activated electron tunneling from semiconductor zinc oxide to adsorbed organic molecules by a matrix assisted laser desorption ionization mass spectrometer. Analytica Chimica Acta, 2012, 729, 45-53.	5.4	23
23	Quantitative analysis of aberrant fatty acid composition of zebrafish hepatic lipids induced by organochlorine pesticide using stable isotope-coded transmethylation and gas chromatography-mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 404, 207-216.	3.7	8
24	Quantification of Interactions between Serum Albumin and Endogenous Free Fatty Acids or Exogenous Chemicals by Stable Isotope-Coded Mass Spectrometry. ACS Medicinal Chemistry Letters, 2011, 2, 587-591.	2.8	2
25	Comparative analysis of S-fatty acylation of gel-separated proteins by stable isotopeâ€“coded fatty acid transmethylation and mass spectrometry. Nature Protocols, 2011, 6, 1377-1390.	12.0	10
26	Typing of unknown microorganisms based on quantitative analysis of fatty acids by mass spectrometry and hierarchical clustering. Analytica Chimica Acta, 2011, 684, 8-16.	5.4	54
27	Chemical and genetic probes for analysis of protein palmitoylation. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1316-1324.	2.3	7
28	Gas chromatographyâ€“mass spectrometric analysis of bonded long chain fatty acids in a single zebrafish egg by ultrasound-assisted one-step transmethylation and extraction. Analytica Chimica Acta, 2009, 650, 221-226.	5.4	17
29	Rapid Transmethylation and Stable Isotope Labeling for Comparative Analysis of Fatty Acids by Mass Spectrometry. Analytical Chemistry, 2009, 81, 5080-5087.	6.5	29
30	Microwave-assisted acid hydrolysis of proteins combined with liquid chromatography MALDI MS/MS for protein identification. Journal of the American Society for Mass Spectrometry, 2005, 16, 471-481.	2.8	140
31	An algorithm for interpretation of low-energy collision-induced dissociation product ion spectra forde novo sequencing of peptides. Rapid Communications in Mass Spectrometry, 2005, 19, 1084-1096.	1.5	13
32	Protein sequencing by mass analysis of polypeptide ladders after controlled protein hydrolysis. Nature Biotechnology, 2004, 22, 1291-1296.	17.5	118
33	Two-Dimensional Mass Spectra Generated from the Analysis of15N-Labeled and Unlabeled Peptides for Efficient Protein Identification and de novo Peptide Sequencing. Journal of Proteome Research, 2004, 3, 1155-1163.	3.7	18