

Kezhi Jiang

List of Publications by Year in descending order

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53
papers

761
citations

516710
16
h-index

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26
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all docs

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53
times ranked

703
citing authors

#	ARTICLE	IF	CITATIONS
1	Diastereomer recognition of three pairs of tetracyclines by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9221.	1.5	1
2	Construction of diverse C–S/Se bonds via nickel catalyzed reductive coupling employing thiosulfonates and a selenosulfonate under mild conditions. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1375-1382.	4.5	18
3	Determination of trace fluoride in water samples by silylation and gas chromatography/mass spectrometry analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9089.	1.5	7
4	Determination of phytic acid in wheat products by complete methyl esterification and liquid chromatography–mass spectrometry analysis. <i>Journal of Separation Science</i> , 2021, 44, 2856-2861.	2.5	4
5	Quantification of phytic acid in baby foods by derivatization with (trimethylsilyl)diazomethane and liquid chromatography–mass spectrometry analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9194.	1.5	2
6	Method for the accurate determination of phytic acid in beverages by liquid chromatography-mass spectrometry after methylation with (trimethylsilyl) diazomethane. <i>LWT - Food Science and Technology</i> , 2021, 151, 112212.	5.2	1
7	Characterizing Oligomeric Hydroxyl Silicon Oils by MALDI-TOF MS With the Pyridine-Modified Matrix. <i>Frontiers in Chemistry</i> , 2021, 9, 755174.	3.6	0
8	Differentiation of isomeric cresols by silylation in combination with gas chromatography/mass spectrometry analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8576.	1.5	3
9	Iodine/water-mediated deprotective oxidation of allylic ethers to access α,β -unsaturated ketones and aldehydes. <i>RSC Advances</i> , 2020, 10, 14720-14724.	3.6	3
10	Formation of the exceptional $[M + H]^+$ cation in atmospheric pressure ionization mass spectrometry analysis of 2-(diphenylsilyl) cyclopropanecarboxylate esters. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8866.	1.5	1
11	Diastereomer recognition of oxytetracycline and its 4-epimer by electrospray ionization mass spectrometry and mechanistic investigation. <i>Journal of Mass Spectrometry</i> , 2019, 54, 1013-1018.	1.6	3
12	Sulfur Transfer Versus Phenyl Ring Transfer in the Gas Phase: Sequential Loss of CH ₃ OH and CH ₃ O–P=O from Protonated Phosphorothioates. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 459-467.	2.8	1
13	Two competing ionization processes in ESI-MS analysis of <i>N</i> -(1,3-diphenylallyl)benzenamines: formation of the unusual $[M + H]^+$ ion versus the regular $[M + H]^+$ ion. <i>European Journal of Mass Spectrometry</i> , 2018, 24, 251-260.	1.0	5
14	Differentiation of isomeric haloanilines by tosylation in combination with electrospray ionization mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2018, 24, 337-343.	1.0	7
15	Simultaneous determination of isomeric substituted anilines by imidization with benzaldehyde and gas chromatography–mass spectrometry. <i>Journal of Separation Science</i> , 2018, 41, 440-448.	2.5	13
16	Differentiation of isomeric methylanilines by imidization and gas chromatography/mass spectrometry analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 342-348.	1.5	3
17	A BODIPY derivative for colorimetric fluorescence sensing of Hg ²⁺ , Pb ²⁺ and Cu ²⁺ ions and its application in logic gates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 315-323.	3.9	27
18	Quantification of lactate from various metabolic pathways and quantification issues of lactate isotopologues and isotopmers. <i>Scientific Reports</i> , 2017, 7, 8489.	3.3	27

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19	Rapid determination of ginkgolic acids in <i>Ginkgo biloba</i> kernels and leaves by direct analysis in real time mass spectrometry. <i>Journal of Separation Science</i> , 2017, 40, 4857-4864.	2.5	13
20	Dissociation of protonated <i>N</i> -(3-phenyl-2-hydroxychromen-2-ylidene)-benzenesulfonamide in the gas phase: cyclization via sulfonyl cation transfer. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 95-100.	1.5	8
21	Decarboxylative Coupling Reaction in ESI ⁺ -MS/MS of 4-Nitrobenzyl 4-Hydroxybenzoates: Triplet Ion ⁺ -Neutral Complex-Mediated 4-Nitrobenzyl Transfer. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 940-943.	2.8	2
22	Isomeric Differentiation of Chloroanilines by Gas Chromatography-Mass Spectrometry in Combination with Tosylation. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 127-132.	1.0	4
23	Two competitive ion ⁺ -mediated reactions in the gas-phase fragmentation of protonated indolyl benzo[<i>b</i>]carbazoles. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 20-23.	1.5	1
24	Observation of the Intermediates of In-Source Aldolization Reactions in Electrospray Ionization Mass Spectrometry Analysis of Heteroaromatic Aldehydes. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 51-57.	1.0	5
25	The competing radical eliminations in the tandem mass spectrometry of the deprotonated benzyl vanillate. <i>Journal of Mass Spectrometry</i> , 2015, 50, 432-436.	1.6	5
26	Two competing ionization processes in electrospray mass spectrometry of indolyl benzo[<i>b</i>]carbazoles: formation of $M^+ + e^-$ versus $[M + H]^+$. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 263-268.		6
27	Investigation on the Gas-Phase Decomposition of Trichlorfon by GC-MS and Theoretical Calculation. <i>PLoS ONE</i> , 2015, 10, e0121389.	2.5	8
28	Gas-Phase Fragmentation of Protonated <i>N</i> ,2-Diphenyl- <i>N'</i> -(<i>p</i> -Toluenesulfonyl)Ethanimidamides: Tosyl Cation Transfer Versus Proton Transfer. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 1428-1431.	2.8	9
29	HPLC/QTOF-MS/MS application to investigate phenolic constituents from <i>Ficus pandurata</i> H. aerial roots. <i>Biomedical Chromatography</i> , 2015, 29, 860-868.	1.7	16
30	Tosyl oxygen transfer and ion ⁺ -neutral complex mediated electron transfer in the gas-phase fragmentation of the protonated <i>N</i> -phenyl <i>p</i> -toluenesulfonamides. <i>International Journal of Mass Spectrometry</i> , 2015, 376, 6-12.	1.5	16
31	Simultaneous determination of zearalenone and its derivatives in edible vegetable oil by gel permeation chromatography and gas chromatography-triple quadrupole mass spectrometry. <i>Food Chemistry</i> , 2015, 166, 23-28.	8.2	74
32	Preparative and Biosynthetic Insights Into pdA2E and isopdA2E, Retinal-Derived Fluorophores of Retinal Pigment Epithelial Lipofuscin. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8241-8250.	3.3	2
33	Thioacetamide as an Ammonium Source for Multicomponent Synthesis of Pyridines from Aldehydes and Electron-Deficient Enamines or Alkynes. <i>Synthesis</i> , 2014, 46, 3256-3262.	2.3	25
34	Rapid differentiation of ortho-, meta-, and para-isomers of halogenated phenylmethylidene hydrazinecarbodithioates by metal complexation and electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2111-2120.	1.5	13
35	Fragmentation reactions of <i>N</i> -benzyltetrahydroquinolines in electrospray ionization mass spectrometry: the roles of ion/neutral complex intermediates. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1381-1386.	1.5	16
36	Competing benzyl cation transfers in the gas-phase fragmentation of the protonated benzyl phenylalaninates. <i>International Journal of Mass Spectrometry</i> , 2014, 369, 23-29.	1.5	8

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37	On the Origin of the Methyl Radical Loss from Deprotonated Ferulic and Isoferulic Acids: Electronic Excitation of a Transient Structure. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 941-948.	2.8	15
38	Catalytic Synthesis of Functional Silicon-Centered Stereogenic Silanes through <i>Candida antarctica</i> Lipase B Catalyzed Remote Desymmetrization of Silicon-Centered Diols. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5814-5819.	2.4	28
39	A colorimetric and ratiometric turn-on BODIPY-based fluorescent probe for double-channel detection of Cu ²⁺ and Hg ²⁺ . <i>Journal of Luminescence</i> , 2013, 141, 130-136.	3.1	52
40	Phytochemical Compositions and Antioxidant and Anti-Inflammatory Activities of Crude Extracts from <i>Ficus pandurata</i> H. (Moraceae). <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-8.	1.2	6
41	Gas-Phase Fragmentation of the Protonated Benzyl Ester of Proline: Intramolecular Electrophilic Substitution versus Hydride Transfer. <i>Journal of Mass Spectrometry</i> , 2013, 48, 423-429.	1.6	24
42	Fragmentation of Deprotonated Diacylhydrazine Derivatives in Electrospray Ionization Tandem Mass Spectrometry: Generation of Acid Anions via Intramolecular Rearrangement. <i>PLoS ONE</i> , 2013, 8, e63097.	2.5	1
43	C ⁺ and C ⁺ N bond cleavage in the dissociation of protonated N-benzyl lactams: dissociative proton transfer and intramolecular proton-transport catalysis. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 791-797.	2.8	21
44	Electrospray mass spectrometric studies of nickel(II)-thiosemicarbazones complexes: Intra-complex proton transfer in the gas phase ligand exchange reactions. <i>International Journal of Mass Spectrometry</i> , 2012, 321-322, 40-48.	1.5	11
45	Fragmentation mechanism of product ions from protonated proline-containing tripeptides in electrospray ionization mass spectrometry. <i>Science Bulletin</i> , 2012, 57, 2051-2061.	1.7	4
46	Neighboring Acetal-Assisted Brønsted Acid-Catalyzed Si-H Bond Activation: Divergent Synthesis of Functional Siloxanes through Silylation and Hydrolytic Oxidation of Organosilanes. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1736-1742.	2.4	17
47	Gas-Phase Nucleophilic Aromatic Substitution between Piperazine and Halobenzyl Cations: Reactivity of the Methylene Arenium Form of Benzyl Cations. <i>Chemistry - A European Journal</i> , 2011, 17, 10820-10824.	3.3	35
48	Recognizing ortho-, meta- or para-positional isomers of S-methyl methoxyphenylmethylenhydrazine dithiocarboxylates by ESI-MS ² : The positional effect of the methoxyl substituent. <i>International Journal of Mass Spectrometry</i> , 2011, 299, 13-19.	1.5	18
49	Hydride transfer reactions via ion-neutral complex: fragmentation of protonated N-benzylpiperidines and protonated N-benzylpiperazines in mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 496-503.	1.6	52
50	Intramolecular Charge Transfer in the Gas Phase: Fragmentation of Protonated Sulfonamides in Mass Spectrometry. <i>Journal of Organic Chemistry</i> , 2010, 75, 4244-4250.	3.2	53
51	The Pyrolytic Reaction of Ketonic Hydrazones from S-Methyl Dithiocarbamate: A Combined Online GC-MS Pyrolysis and DFT Study. <i>Journal of Physical Chemistry A</i> , 2009, 113, 697-706.	2.5	6
52	Dissociative Protonation and Proton Transfers: Fragmentation of α,β -Unsaturated Aromatic Ketones in Mass Spectrometry. <i>Journal of Organic Chemistry</i> , 2008, 73, 3369-3376.	3.2	55
53	Separation of the Isomers of Oligomethylphenylcyclosiloxanes and Determination of their Structures by Capillary GC-MS. <i>Chromatographia</i> , 2006, 64, 689-694.	1.3	6