

# Yunfeng Chai

## List of Publications by Year in descending order

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34  
papers

535  
citations

567281

15  
h-index

677142

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all docs

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hydride transfer reactions via ion-neutral complex: fragmentation of protonated <i>N</i> -benzylpiperidines and protonated <i>N</i> -benzylpiperazines in mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 496-503.	1.6	52
2	Gas-Phase Chemistry of Benzyl Cations in Dissociation of <i>N</i> -Benzylammonium and <i>N</i> -Benzyliminium Ions Studied by Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 823-833.	2.8	39
3	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
4	Determination of polychlorinated biphenyls in tea using gas chromatography-tandem mass spectrometry combined with dispersive solid phase extraction. <i>Food Chemistry</i> , 2020, 316, 126290.	8.2	32
5	<i>N</i> -Centered Odd-Electron Ions Formation from Collision-Induced Dissociation of Electrospray Ionization Generated Even-Electron Ions: Single Electron Transfer via Ion/Neutral Complex in the Fragmentation of Protonated <i>N,N</i> -Dibenzylpiperazines and Protonated <i>N</i> -Benzylpiperazines. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1526-1533.	2.8	30
6	Kinetic and Thermodynamic Control of Protonation in Atmospheric Pressure Chemical Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1097-1101.	2.8	28
7	Hydride abstraction in positive-ion electrospray interface: oxidation of 1,4-dihydropyridines in electrospray ionization mass spectrometry. <i>Analyst</i> , 2011, 136, 4667.	3.5	22
8	Simultaneous determination of cartap and its metabolite in tea using hydrophilic interaction chromatography tandem mass spectrometry and the combination of dispersive solid phase extraction and solid phase extraction. <i>Journal of Chromatography A</i> , 2019, 1600, 148-157.	3.7	22
9	Dissipation pattern and safety evaluation of cartap and its metabolites during tea planting, tea manufacturing and brewing. <i>Food Chemistry</i> , 2020, 314, 126165.	8.2	22
10	$C^{\pm}$ and $C^{\pm}N$ bond cleavage in the dissociation of protonated <i>N</i> -benzylactams: dissociative proton transfer and intramolecular proton-transport catalysis. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 791-797.	2.8	21
11	Qualitative and quantitative analysis of enantiomers by mass spectrometry: Application of a simple chiral chloride probe via rapid in-situ reaction. <i>Analytica Chimica Acta</i> , 2014, 809, 104-108.	5.4	21
12	Multiresidue Method for the Rapid Determination of Pesticide Residues in Tea Using Ultra Performance Liquid Chromatography Orbitrap High Resolution Mass Spectrometry and In-Syringe Dispersive Solid Phase Extraction. <i>ACS Omega</i> , 2017, 2, 5917-5927.	3.5	21
13	Gas Phase Chemistry of $Li^+$ with Amides: the Observation of $LiOH$ Loss in Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1191-1201.	2.8	19
14	Simultaneous determination of bisphenol A and tetrabromobisphenol A in tea using a modified QuEChERS sample preparation method coupled with liquid chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 6769-6776.	2.7	19
15	Formation of $[M + 15]^+$ ions from aromatic aldehydes by use of methanol: in-source aldolization reaction in electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1203-1210.	1.6	18
16	Intramolecular Halogen Transfer via Halonium Ion Intermediates in the Gas Phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 161-167.	2.8	14
17	Gas-phase synthesis and reactivity of $Cu^+$ -benzyne complexes. <i>Chemical Communications</i> , 2014, 50, 11668-11671.	4.1	12
18	The Protonation Site of <i>para</i> -Dimethylaminobenzoic Acid Using Atmospheric Pressure Ionization Methods. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 668-676.	2.8	12

#	ARTICLE	IF	CITATIONS
19	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
20	Nazarov Cyclization and Oxo-Diels-Alder Reaction of Chalcones Induced by the Naked Silver Cation in Gas Phase. <i>Organometallics</i> , 2013, 32, 3385-3390.	2.3	10
21	Photolysis kinetics of cartap and nereistoxin in water and tea beverages under irradiation of simulated sunlight and ultraviolet under laboratory conditions. <i>Food Chemistry</i> , 2021, 355, 129595.	8.2	10
22	The effect of cation size (H <sup>+</sup> , Li <sup>+</sup> , Na <sup>+</sup> , and K <sup>+</sup> ) on McLafferty-type rearrangement of even-electron ions in mass spectrometry. <i>Science China Chemistry</i> , 2014, 57, 662-668.	8.2	8
23	Degradation of the Neonicotinoid Pesticides in the Atmospheric Pressure Ionization Source. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 373-381.	2.8	8
24	Competitive proton and hydride transfer reactions via ion-neutral complexes: fragmentation of deprotonated benzyl <i>N</i> -phenylcarbamates in mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2015, 50, 364-370.	1.6	6
25	Neutral losses of sodium benzoate and benzoic acid in the fragmentation of the [M+Na] <sup>+</sup> ions of methoxyfenozide and tebufenozide via intramolecular rearrangement in electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 245-252.	1.5	6
26	Gas-phase amination of aromatic hydrocarbons by corona discharge-assisted nitrogen fixation. <i>Scientific Reports</i> , 2021, 11, 2841.	3.3	6
27	Gas-phase Smiles Rearrangement of Sulfonylurea Herbicides in Electrospray Ionization Mass Spectrometry. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2383-2388.	4.9	5
28	How does a C=C double bond cleave in the gas phase? Fragmentation of protonated ketotifen in mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1105-1110.	1.6	5
29	Formation of molecular oxygen- and water-attached fragment ions in the fragmentation of protonated 3-(phenylthio)chromones. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8567.	1.5	5
30	An intriguing reversible reaction in the fragmentation of deprotonated dicamba and benzoic acid in a Q-orbitrap mass spectrometer: Loss and addition of carbon dioxide. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8893.	1.5	4
31	Insights into stress degradation behavior of gibberellic acid by UHPLC Q-Exactive Orbitrap mass spectrometry. <i>Food Chemistry</i> , 2022, 367, 130662.	8.2	4
32	Gas-phase Smiles rearrangement reactions of deprotonated <i>N</i> -phenylbenzamides studied by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 864-870.	1.5	3
33	Loss of benzaldehyde in the fragmentation of protonated benzoylamines: Benzoyl cation as a hydride acceptor in the gas phase. <i>Journal of Mass Spectrometry</i> , 2017, 52, 664-671.	1.6	3
34	Gas phase reaction between chromones and solvent in an electrospray ionization source. <i>Journal of Mass Spectrometry</i> , 2019, 54, 66-72.	1.6	2