

Jos Oomens

List of Publications by Year in descending order

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437
papers

15,187
citations

19608

61
h-index

37111

96
g-index

460
all docs

460
docs citations

460
times ranked

6630
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusion complexes of the macrocycle nonactin with benchmark protonated amines: aniline and serine. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8422-8431.	1.3	0
2	Characterization of Cyclic α -Acyliminium Ions by Infrared Ion Spectroscopy. <i>Chemistry - A European Journal</i> , 2022, 28, e202104078.	1.7	3
3	Unidirectional Double- and Triple-Hydrogen Rearrangement Reactions Probed by Infrared Ion Spectroscopy. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, , .	1.2	0
4	Laboratory IR Spectra of the Ionic Oxidized Fullerenes $C_{60}O^{+}$ and $C_{60}OH^{+}$. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2928-2935.	1.1	5
5	Characterization of Elusive Reaction Intermediates Using Infrared Ion Spectroscopy: Application to the Experimental Characterization of Glycosyl Cations. <i>Accounts of Chemical Research</i> , 2022, 55, 1669-1679.	7.6	13
6	Stabilization of Glucosyl Dioxolenium Ions by "Dual Participation" of the 2,2-Dimethyl-2-(<i>ortho</i> -nitrophenyl)acetyl (DMNPA) Protection Group for 1,2- <i>cis</i> -Glucosylation. <i>Journal of Organic Chemistry</i> , 2022, 87, 9139-9147.	1.7	11
7	Zinc and cadmium complexation of L-methionine: An infrared multiple photon dissociation spectroscopy and theoretical study. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4580.	0.7	4
8	Mechanistic examination of C-H tyrosyl bond cleavage: Spectroscopic investigation of the generation of glycol radical cations from tyrosyl (glycyl/alanyl)tryptophan. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4630.	0.7	1
9	Breslow Intermediates (Amino Enols) and Their Keto Tautomers: First Gas-Phase Characterization by IR Ion Spectroscopy. <i>Chemistry - A European Journal</i> , 2021, 27, 2662-2669.	1.7	20
10	Isomer-Specific Two-Color Double-Resonance IR ² MS ³ Ion Spectroscopy Using a Single Laser: Application in the Identification of Novel Psychoactive Substances. <i>Analytical Chemistry</i> , 2021, 93, 2687-2693.	3.2	22
11	IR photofragmentation of the phenyl cation: spectroscopy and fragmentation pathways. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4334-4343.	1.3	4
12	Proton in the ring: spectroscopy and dynamics of proton bonding in macrocycle cavities. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21532-21543.	1.3	5
13	Preferred protonation site of a series of sulfa drugs in the gas phase revealed by IR spectroscopy. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	11
14	Structural determination of arginine-linked cisplatin complexes <i>via</i> IRMPD action spectroscopy: arginine binds to platinum <i>via</i> NO ⁺ binding mode. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21959-21971.	1.3	6
15	Influence of a Hydroxyl Group on the Deamidation and Dehydration Reactions of Protonated Asparagine-Serine Investigated by Combined Spectroscopic, Guided Ion Beam, and Theoretical Approaches. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 786-805.	1.2	3
16	UV/Vis and IRMPD Spectroscopic Analysis of the Absorption Properties of Methylglyoxal Brown Carbon. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 910-919.	1.2	8
17	The Infrared Spectrum of Protonated C_{70} . <i>Astrophysical Journal Letters</i> , 2021, 909, L17.	3.0	9
18	Radical-Pairing Interactions in a Molecular Switch Evidenced by Ion Mobility Spectrometry and Infrared Ion Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10049-10055.	7.2	11

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19	Amadori rearrangement products as potential biomarkers for inborn errors of amino-acid metabolism. <i>Communications Biology</i> , 2021, 4, 367.	2.0	16
20	Radical Pairing Interactions in a Molecular Switch Evidenced by Ion Mobility Spectrometry and Infrared Ion Spectroscopy. <i>Angewandte Chemie</i> , 2021, 133, 10137-10143.	1.6	4
21	Laboratory IR spectroscopy of protonated hexa-peri-hexabenzocoronene and dicoronylene. <i>Journal of Molecular Spectroscopy</i> , 2021, 378, 111474.	0.4	5
22	Infrared action spectroscopy of doubly charged PAHs and their contribution to the aromatic infrared bands. <i>Astronomy and Astrophysics</i> , 2021, 648, A61.	2.1	10
23	Generation, Characterization, and Dissociation of Radical Cations Derived from Prolyl-glycyl-glycine. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6121-6129.	1.2	1
24	Characterization of Uranyl Coordinated by Equatorial Oxygen: Oxo in UO_3 versus Oxyl in UO_3^+ . <i>Journal of Physical Chemistry A</i> , 2021, 125, 5544-5555.	1.1	1
25	Infrared Multiple-Photon Dissociation Spectra of Sodiated Complexes of the Aliphatic Amino Acids. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6348-6355.	1.1	6
26	IRMPD Spectroscopy of Homo- and Heterochiral Asparagine Proton-Bound Dimers in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7449-7456.	1.1	3
27	Untargeted metabolomics and infrared ion spectroscopy identify biomarkers for pyridoxine-dependent epilepsy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	33
28	An investigation of inter-ligand coordination and flexibility: IRMPD spectroscopic and theoretical evaluation of calcium and nickel histidine dimers. <i>Journal of Molecular Spectroscopy</i> , 2021, 381, 111532.	0.4	5
29	IRMPD Spectroscopy of $[PC(4:0/4:0) + M]^+$ ($M = H, Na, K$) and Corresponding CID Fragment Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2874-2884.	1.2	9
30	Infrared multiple photon dissociation action spectroscopy of protonated unsymmetrical dimethylhydrazine and proton-bound dimers of hydrazine and unsymmetrical dimethylhydrazine. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25877-25885.	1.3	2
31	Metabolite Identification Using Infrared Ion Spectroscopy – Novel Biomarkers for Pyridoxine-Dependent Epilepsy. <i>Analytical Chemistry</i> , 2021, 93, 15340-15348.	3.2	20
32	Evaluation of table-top lasers for routine infrared ion spectroscopy in the analytical laboratory. <i>Analyst</i> , 2021, 146, 7218-7229.	1.7	10
33	Infrared ion spectroscopy: New opportunities for small-molecule identification in mass spectrometry - A tutorial perspective. <i>Analytica Chimica Acta</i> , 2020, 1093, 1-15.	2.6	57
34	Influence of the local environment on the intrinsic structures of gas-phase cytidine-5'-monophosphates. <i>International Journal of Mass Spectrometry</i> , 2020, 447, 116234.	0.7	0
35	The infrared spectrum of protonated buckminsterfullerene $C_{60}H^+$. <i>Nature Astronomy</i> , 2020, 4, 240-245.	4.2	26
36	2-Methyl-pentanoyl-carnitine (2-MPC): a urine biomarker for patent <i>Ascaris lumbricoides</i> infection. <i>Scientific Reports</i> , 2020, 10, 15780.	1.6	15

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37	Mechanistic Study of Pd/NHC-Catalyzed Sonogashira Reaction: Discovery of NHC-Ethynyl Coupling Process. <i>Chemistry - A European Journal</i> , 2020, 26, 15672-15681.	1.7	12
38	Mass spectrometry-based identification of <i>ortho</i> -, <i>meta</i> - and <i>para</i> -isomers using infrared ion spectroscopy. <i>Analyst</i> , 2020, 145, 6162-6170.	1.7	13
39	Multipodal coordination and mobility of molecular cations inside the macrocycle valinomycin. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19725-19734.	1.3	3
40	Sodium cationization can disrupt the intramolecular hydrogen bond that mediates the sunscreen activity of oxybenzone. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19522-19531.	1.3	9
41	Water Loss from Protonated XxxSer and XxxThr Dipeptides Gives Oxazoline-Not Oxazolone-Product Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2111-2123.	1.2	6
42	Formation of n $\hat{\nu}^+$ interaction facilitating dissociative electron transfer in isolated tyrosine-containing molecular peptide radical cations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21393-21402.	1.3	8
43	Characterization of glycosyl dioxolenium ions and their role in glycosylation reactions. <i>Nature Communications</i> , 2020, 11, 2664.	5.8	83
44	Dissociative electron transfer of copper(II) complexes of glyceryl(glycyl/alanyl)tryptophan <i>in vacuo</i> : IRMPD action spectroscopy provides evidence of transition from zwitterionic to non-zwitterionic peptide structures. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13084-13091.	1.3	3
45	Unravelling the Keto-Enol Tautomer Dependent Photochemistry and Degradation Pathways of the Protonated UVA Filter Avobenzone. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2919-2930.	1.1	34
46	Characterization of holmium(III)-acetylacetonate complexes derived from therapeutic microspheres by infrared ion spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 15716-15722.	1.3	5
47	Vibrational Spectra of the Ruthenium-Tris-Bipyridine Dication and Its Reduced Form <i>in Vacuo</i> . <i>Journal of Physical Chemistry A</i> , 2020, 124, 2449-2459.	1.1	11
48	Identification of novel fragmentation pathways and fragment ion structures in the tandem mass spectra of protonated synthetic cathinones. <i>Forensic Chemistry</i> , 2020, 19, 100245.	1.7	18
49	Photolysis-induced scrambling of PAHs as a mechanism for deuterium storage. <i>Astronomy and Astrophysics</i> , 2020, 635, A9.	2.1	19
50	Mass-Spectrometry-Based Identification of Synthetic Drug Isomers Using Infrared Ion Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 7282-7288.	3.2	34
51	IRMPD Spectroscopic and Theoretical Structural Investigations of Zinc and Cadmium Dications Bound to Histidine Dimers. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10266-10276.	1.1	6
52	A Combined Infrared Ion Spectroscopy and Computational Chemistry Study of Hydroxyproline Isomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1205-1211.	1.2	5
53	Hydrogen tunneling avoided: enol-formation from a charge-tagged phenyl pyruvic acid derivative evidenced by tandem-MS, IR ion spectroscopy and theory. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16591-16600.	1.3	8
54	Going large(r): general discussion. <i>Faraday Discussions</i> , 2019, 217, 476-513.	1.6	1

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55	Characterization of protonated AcAlaDab and AcDabAla by IRMPD spectroscopy and molecular modeling. <i>International Journal of Mass Spectrometry</i> , 2019, 444, 116178.	0.7	1
56	Controlling internal degrees: general discussion. <i>Faraday Discussions</i> , 2019, 217, 138-171.	1.6	1
57	Pushing resolution in frequency and time: general discussion. <i>Faraday Discussions</i> , 2019, 217, 290-321.	1.6	1
58	Impact of Sodium Cationization on Gas-Phase Conformations of DNA and RNA Cytidine Mononucleotides. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1758-1767.	1.2	4
59	Zinc and Cadmium Complexation of α -Threonine: An Infrared Multiple Photon Dissociation Spectroscopy and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9343-9354.	1.2	14
60	Gas-phase vibrations of the anionic, hydrogen-bonded dimer of 9-methylguanine. <i>International Journal of Mass Spectrometry</i> , 2019, 446, 116211.	0.7	0
61	Ionic Pd/NHC Catalytic System Enables Recoverable Homogeneous Catalysis: Mechanistic Study and Application in the Mizoroki-Heck Reaction. <i>Chemistry - A European Journal</i> , 2019, 25, 16439-16439.	1.7	0
62	Ionic Pd/NHC Catalytic System Enables Recoverable Homogeneous Catalysis: Mechanistic Study and Application in the Mizoroki-Heck Reaction. <i>Chemistry - A European Journal</i> , 2019, 25, 16564-16572.	1.7	32
63	Insights into the Recognition of Phosphate Groups by Peptidic Arginine from Action Spectroscopy and Quantum Chemical Computations. <i>Journal of Physical Chemistry A</i> , 2019, , .	1.1	0
64	Insights into the Recognition of Phosphate Groups by Peptidic Arginine from Action Spectroscopy and Quantum Chemical Computations. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7528-7535.	1.2	3
65	Spectroscopic Evidence for Lactam Formation in Terminal Ornithine b_2^+ and b_3^+ Fragment Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1565-1577.	1.2	2
66	Protoisomerization of Indigo and Isoindigo Dyes Confirmed by Gas-Phase Infrared Ion Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8226-8233.	1.1	16
67	Measurement of the asymmetric UO_2^{2+} stretching frequency for $[\text{U}(\text{VO}_2(\text{F})_3)]^-$ using IRMPD spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2019, 446, 116231.	0.7	1
68	Investigation of the position of the radical in z_3^- -ions resulting from electron transfer dissociation using infrared ion spectroscopy. <i>Faraday Discussions</i> , 2019, 217, 434-452.	1.6	12
69	Structures and Relative Glycosidic Bond Stabilities of Protonated $2\text{-Fluoro-Substituted Purine Nucleosides}$. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1521-1536.	1.2	5
70	IRMPD action spectroscopy, ER-CID experiments, and theoretical approaches investigate intrinsic L-thymidine properties compared to D-thymidine: Findings support robust methodology. <i>International Journal of Mass Spectrometry</i> , 2019, 441, 32-43.	0.7	2
71	An automatic variable laser attenuator for IRMPD spectroscopy and analysis of power-dependence in fragmentation spectra. <i>International Journal of Mass Spectrometry</i> , 2019, 443, 1-8.	0.7	67
72	Reference-standard free metabolite identification using infrared ion spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2019, 443, 77-85.	0.7	32

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73	Infrared Ion Spectroscopy of Environmental Organic Mixtures: Probing the Composition of \pm -Pinene Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2019, 53, 7604-7612.	4.6	19
74	Structures of $[\text{GPGG}^{\text{A}} + \text{H} \hat{\text{e}} \text{H}_2\text{O}]^+$ and $[\text{GPGG}^{\text{A}} + \text{H} \hat{\text{e}} \text{H}_2\text{O} \hat{\text{e}} \text{NH CH}_2]^+$ ions; evidence of rearrangement prior to dissociation. <i>International Journal of Mass Spectrometry</i> , 2019, 442, 51-57.	0.7	0
75	Ion spectroscopy and guided ion beam studies of protonated asparaginyln-threonine decomposition: Influence of a hydroxyl containing C-Terminal residue on deamidation processes. <i>International Journal of Mass Spectrometry</i> , 2019, 442, 64-82.	0.7	6
76	Gas-Phase Infrared Ion Spectroscopy Characterization of Cu(II/I)Cyclam and Cu(II/I) ₂ ,2 $\hat{\text{e}}$ -Bipyridine Redox Pairs. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4149-4157.	1.1	11
77	The FELion cryogenic ion trap beam line at the FELIX free-electron laser laboratory: infrared signatures of primary alcohol cations. <i>Faraday Discussions</i> , 2019, 217, 172-202.	1.6	40
78	The Glycosylation Mechanisms of 6,3 $\hat{\text{e}}$ Uronic Acid Lactones. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8746-8751.	7.2	35
79	The Sequence of Coronene Hydrogenation Revealed by Gas-phase IR Spectroscopy. <i>Astrophysical Journal</i> , 2019, 875, 27.	1.6	20
80	A Cl $\hat{\text{e}}$ Hinge for Cyclen Macrocyces: Ionic Interactions and Tweezer $\hat{\text{e}}$ Like Complexes. <i>Frontiers in Chemistry</i> , 2019, 7, 143.	1.8	1
81	Impact of the 2 $\hat{\text{e}}$ - and 3 $\hat{\text{e}}$ -Sugar Hydroxyl Moieties on Gas-Phase Nucleoside Structure. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 832-845.	1.2	7
82	Experimental and theoretical investigations of infrared multiple photon dissociation spectra of lysine complexes with Zn ²⁺ and Cd ²⁺ . <i>European Journal of Mass Spectrometry</i> , 2019, 25, 97-111.	0.5	10
83	Robert C. Dunbar (1943 $\hat{\text{e}}$ 2017). <i>European Journal of Mass Spectrometry</i> , 2019, 25, 4-7.	0.5	0
84	Isotope labeling and infrared multiple-photon photodissociation investigation of product ions generated by dissociation of $[\text{ZnNO}_3(\text{CH}_3\text{OH})_2]^+$: Conversion of methanol to formaldehyde. <i>European Journal of Mass Spectrometry</i> , 2019, 25, 58-72.	0.5	0
85	Interstellar polycyclic aromatic hydrocarbons: Spectroscopy, photofragmentation and photoproducts. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 353-355.	0.0	0
86	The Glycosylation Mechanisms of 6,3 $\hat{\text{e}}$ Uronic Acid Lactones. <i>Angewandte Chemie</i> , 2019, 131, 8838-8843.	1.6	9
87	Influence of 2 $\hat{\text{e}}$ -fluoro modification on glycosidic bond stabilities and gas-phase ion structures of protonated pyrimidine nucleosides. <i>Journal of Fluorine Chemistry</i> , 2019, 219, 10-22.	0.9	13
88	Gas-phase structures of protonated arabino nucleosides. <i>International Journal of Mass Spectrometry</i> , 2019, 438, 124-134.	0.7	7
89	Hydrogen atom transfer in the radical cations of tryptophan-containing peptides AW and WA studied by mass spectrometry, infrared multiple-photon dissociation spectroscopy, and theoretical calculations. <i>European Journal of Mass Spectrometry</i> , 2019, 25, 112-121.	0.5	6
90	Gas-phase metal ion chelation investigated with IRMPD spectroscopy: A brief review of Robert Dunbar $\hat{\text{e}}$ TM's contributions. <i>European Journal of Mass Spectrometry</i> , 2019, 25, 86-96.	0.5	9

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91	Unimolecular Fragmentation of Deprotonated Diproline [$\text{Pro}_2\text{-H}^+$] Studied by Chemical Dynamics Simulations and IRMPD Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2612-2625.	1.1	18
92	Deamidation of Protonated Asparagine-Valine Investigated by a Combined Spectroscopic, Guided Ion Beam, and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2424-2436.	1.1	13
93	Experimental and Theoretical Investigations of Infrared Multiple Photon Dissociation Spectra of Aspartic Acid Complexes with Zn^{2+} and Cd^{2+} . <i>Journal of Physical Chemistry B</i> , 2018, 122, 3836-3853.	1.2	13
94	Direct Experimental Characterization of Glycosyl Cations by Infrared Ion Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 6034-6038.	6.6	68
95	Conformations of Protonated AlaDap and DapAla Characterized by IRMPD Spectroscopy and Molecular Modeling. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2191-2202.	1.2	7
96	Theory, experiment, and simulations in laboratory astrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5341-5343.	1.3	2
97	Gas phase vibrations of an anionic, hydrogen-bonded homodimer of a nucleobase analogue: Isocytosino-8-trifluoromethylquinolone. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 206-211.	0.7	0
98	Guanidinium/ammonium competition and proton transfer in the interaction of the amino acid arginine with the tetracarboxylic 18-crown-6 ionophore. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4067-4073.	1.3	16
99	Uranyl/12-crown-4 Ether Complexes and Derivatives: Structural Characterization and Isomeric Differentiation. <i>Inorganic Chemistry</i> , 2018, 57, 4125-4134.	1.9	6
100	Unraveling the unknown areas of the human metabolome: the role of infrared ion spectroscopy. <i>Journal of Inherited Metabolic Disease</i> , 2018, 41, 367-377.	1.7	44
101	An Unprecedented Retro-Mumm Rearrangement Revealed by ESI-MS/MS, IRMPD Spectroscopy, and DFT Calculations. <i>Chemistry - A European Journal</i> , 2018, 24, 7026-7032.	1.7	14
102	Intra-cavity proton bonding and anharmonicity in the anionophore cyclen. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8968-8975.	1.3	7
103	Conformations and N-glycosidic bond stabilities of sodium cationized 2'-deoxycytidine and cytidine: Solution conformation of $[\text{Cyd} + \text{Na}]^+$ is preserved upon ESI. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 18-27.	0.7	20
104	Dehydration reactions of protonated dipeptides containing asparagine or glutamine investigated by infrared ion spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 90-100.	0.7	8
105	Infrared multiple photon dissociation spectroscopy of cationized canavanine: Side-chain substitution influences gas-phase zwitterion formation. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 158-173.	0.7	7
106	Equatorial coordination of uranyl: Correlating ligand charge donation with the Oyl-U-Oyl asymmetric stretch frequency. <i>Journal of Organometallic Chemistry</i> , 2018, 857, 94-100.	0.8	6
107	Transition metal(II) complexes of histidine-containing tripeptides: Structures, and infrared spectroscopy by IRMPD. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 198-205.	0.7	11
108	The anharmonic quartic force field infrared spectra of hydrogenated and methylated PAHs. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1189-1197.	1.3	46

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109	Structural characterization of nucleotide 5â€²-triphosphates by infrared ion spectroscopy and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28319-28330.	1.3	20
110	Preferential host-guest coordination of nonactin with ammonium and hydroxylammonium. <i>Journal of Chemical Physics</i> , 2018, 149, 225101.	1.2	7
111	Inverse Sandwich Cyclopentadienyl Complexes of Sodium in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8659-8664.	1.1	0
112	Spectroscopic Characterization of the Product Ions Formed by Electron Ionization of Adamantane. <i>ChemPhysChem</i> , 2018, 19, 3211-3218.	1.0	14
113	<i>c</i> -Type ions formed by electron transfer dissociation of Cysâ€containing peptides investigated by infrared ion spectroscopy. <i>Journal of Mass Spectrometry</i> , 2018, 53, 1207-1213.	0.7	4
114	Spectroscopic Characterization of an Extensive Set of <i>c</i> -Type Peptide Fragment Ions Formed by Electron Transfer Dissociation Suggests Exclusive Formation of Amide Isomers. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6404-6411.	2.1	5
115	High-resolution IR absorption spectroscopy of polycyclic aromatic hydrocarbons in the 3â€m region: role of hydrogenation and alkylation. <i>Astronomy and Astrophysics</i> , 2018, 610, A65.	2.1	36
116	Competition between salt bridge and non-zwitterionic structures in deprotonated amino acid dimers. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15641-15652.	1.3	10
117	Binding of Divalent Metal Ions with Deprotonated Peptides: Do Gas-Phase Anions Parallel the Condensed Phase?. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5589-5596.	1.1	12
118	Complexes of Crown Ether Macrocycles with Methyl Guanidinium: Insights into the Capture of Charge in Peptides. <i>ChemPhysChem</i> , 2018, 19, 2169-2175.	1.0	4
119	Experimental and theoretical investigations of infrared multiple photon dissociation spectra of arginine complexes with Zn ²⁺ and Cd ²⁺ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20712-20725.	1.3	10
120	Structural Investigation of the Hormone Melatonin and Its Alkali and Alkaline Earth Metal Complexes in the Gas Phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1835-1847.	1.2	6
121	Modified Quadrupole Ion Trap Mass Spectrometer for Infrared Ion Spectroscopy: Application to Protonated Thiated Uridines. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2125-2137.	1.2	20
122	Loss of water from protonated polyglycines: interconversion and dissociation of the product imidazolone ions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18688-18698.	1.3	4
123	Gas-phase complexes of Ni ²⁺ and Ca ²⁺ with deprotonated histidylhistidine (HisHis): A model case for polyhistidyl-metal binding motifs. <i>Journal of Molecular Spectroscopy</i> , 2017, 332, 38-44.	0.4	22
124	IRMPD Spectroscopy Sheds New (Infrared) Light on the Sulfate Pattern of Carbohydrates. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2114-2120.	1.1	49
125	Infrared Multiple-Photon Dissociation Action Spectroscopy of the b ₂ ⁺ Ion from PPC: Evidence of Third Residue Affecting b ₂ ⁺ Fragment Structure. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1482-1488.	1.2	15
126	Gas-phase vibrational spectroscopy of triphenylamine: the effect of charge on structure and spectra. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19881-19889.	1.3	35

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127	Water Microsolvation Can Switch the Binding Mode of Ni(II) with Small Peptides. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2634-2638.	2.1	12
128	Effects of sodium cationization versus protonation on the conformations and N-glycosidic bond stabilities of sodium cationized Urd and dUrd: solution conformation of [Urd+Na] ⁺ is preserved upon ESI. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17637-17652.	1.3	20
129	Isolated alkali cation complexes of the antibiotic ionophore nonactin: correlation with crystalline structures. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14984-14991.	1.3	4
130	Molecular identification in metabolomics using infrared ion spectroscopy. <i>Scientific Reports</i> , 2017, 7, 3363.	1.6	54
131	Experimental and theoretical investigations of infrared multiple photon dissociation spectra of glutamic acid complexes with Zn ²⁺ and Cd ²⁺ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12394-12406.	1.3	24
132	Structure and Dissociation Pathways of Protonated Tetralin (1,2,3,4-Tetrahydronaphthalene). <i>Journal of Physical Chemistry A</i> , 2017, 121, 4606-4612.	1.1	5
133	Combined Liquid Chromatography-Infrared Ion Spectroscopy for Identification of Regioisomeric Drug Metabolites. <i>Analytical Chemistry</i> , 2017, 89, 4359-4362.	3.2	52
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