

# Philippe Maitre

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/717491/publications.pdf>

Version: 2024-02-01

145  
papers

5,837  
citations

57758

44  
h-index

88630

70  
g-index

151  
all docs

151  
docs citations

151  
times ranked

3011  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas Phase Infrared Spectroscopy of Selectively Prepared Ions. <i>Physical Review Letters</i> , 2002, 89, 273002.	7.8	285
2	Infrared spectroscopy of organometallic ions in the gas phase: From model to real world complexes. <i>Mass Spectrometry Reviews</i> , 2007, 26, 583-605.	5.4	278
3	Vibrational Signature of Charge Solvation vs Salt Bridge Isomers of Sodiated Amino Acids in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2004, 126, 1836-1842.	13.7	260
4	Infrared Spectrum of the Protonated Water Dimer in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2004, 108, 9008-9010.	2.5	169
5	The charge-shift bonding concept. Electron-pair bonds with very large ionic-covalent resonance energies. <i>Journal of the American Chemical Society</i> , 1992, 114, 7861-7866.	13.7	155
6	Gas-Phase Structure of a $\eta^3$ -Allyl $\pi$ -Palladium Complex: Efficient Infrared Spectroscopy in a 7 T Fourier Transform Mass Spectrometer. <i>Journal of Physical Chemistry A</i> , 2007, 111, 13415-13424.	2.5	152
7	Infrared Spectra of Protonated Uracil, Thymine and Cytosine. <i>ChemPhysChem</i> , 2007, 8, 2235-2244.	2.1	128
8	Mid-IR spectroscopy of protonated leucine methyl ester performed with an FTICR or a Paul type ion-trap. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 14-20.	1.5	123
9	Infrared Spectra of Gas-Phase $V^+(Benzene)$ and $V^+(Benzene)_2$ Complexes. <i>Journal of the American Chemical Society</i> , 2002, 124, 1562-1563.	13.7	104
10	Vibrational Signatures of Protonated, Phosphorylated Amino Acids in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2008, 130, 3359-3370.	13.7	104
11	Tautomerism of Uracil Probed via Infrared Spectroscopy of Singly Hydrated Protonated Uracil. <i>Journal of Physical Chemistry A</i> , 2008, 112, 12393-12400.	2.5	96
12	Infrared Spectroscopy of Fragments of Protonated Peptides: Direct Evidence for Macrocyclic Structures of $b_5$ Ions. <i>Journal of the American Chemical Society</i> , 2009, 131, 11503-11508.	13.7	92
13	Infrared Fingerprint of Protonated Benzene in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2057-2059.	13.8	87
14	Infrared Spectra of Isolated Protonated Polycyclic Aromatic Hydrocarbons: Protonated Naphthalene. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6714-6716.	13.8	86
15	Investigation of the protonation site in the dialanine peptide by infrared multiphoton dissociation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2659-2663.	2.8	85
16	Cyclization and Rearrangement Reactions of an Fragment Ions of Protonated Peptides. <i>Journal of the American Chemical Society</i> , 2010, 132, 14766-14779.	13.7	84
17	Insertion of $Sc^+$ into $H_2$ : The First Example of Cluster-Mediated $\sigma$ -Bond Activation by a Transition Metal Center. <i>Journal of the American Chemical Society</i> , 1994, 116, 9710-9718.	13.7	82
18	Origin of Bonding Interactions in $Cu^+(H_2)_n$ Clusters: An Experimental and Theoretical Investigation. <i>Journal of the American Chemical Society</i> , 1998, 120, 13494-13502.	13.7	81

#	ARTICLE	IF	CITATIONS
19	Fingerprint Vibrational Spectra of Protonated Methyl Esters of Amino Acids in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2007, 129, 2829-2840.	13.7	81
20	Gas phase infrared multiple-photon dissociation spectra of methanol, ethanol and propanol proton-bound dimers, protonated propanol and the propanol/water proton-bound dimer. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 955.	2.8	80
21	Covalent, ionic and resonating single bonds. <i>Computational and Theoretical Chemistry</i> , 1991, 229, 163-188.	1.5	78
22	Infrared spectra of homogeneous and heterogeneous proton-bound dimers in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2747.	2.8	77
23	Probing Mobility-Selected Saccharide Isomers: Selective Ion-Molecule Reactions and Wavelength-Specific IR Activation. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6057-6064.	2.5	77
24	Infrared Spectroscopy of Fragments from Doubly Protonated Tryptic Peptides. <i>ChemPhysChem</i> , 2009, 10, 883-885.	2.1	74
25	Structure and Infrared Spectrum of the Ag <sup>+</sup> -Phenol Ionic Complex. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11053-11059.	2.5	74
26	Micro-Hydration of the MgNO <sub>3</sub> <sup>+</sup> Cation in the Gas Phase. <i>ChemPhysChem</i> , 2007, 8, 1629-1639.	2.1	70
27	Infrared multiphoton dissociation spectroscopy of protonated N-acetyl-alanine and alanyl-histidine. <i>International Journal of Mass Spectrometry</i> , 2005, 243, 105-113.	1.5	69
28	Meisenheimer Complexes Positively Characterized as Stable Intermediates in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1995-1998.	13.8	68
29	Ligand-induced substrate steering and reshaping of [Ag <sub>2</sub> (H)] <sup>+</sup> scaffold for selective CO <sub>2</sub> extrusion from formic acid. <i>Nature Communications</i> , 2016, 7, 11746.	12.8	66
30	The structures of small iron-carbon cluster anions. Linear to planar to three-dimensional. <i>Chemical Physics Letters</i> , 1994, 227, 601-608.	2.6	59
31	Structure of Electron-Capture Dissociation Fragments from Charge-Tagged Peptides Probed by Tunable Infrared Multiple Photon Dissociation. <i>Journal of the American Chemical Society</i> , 2008, 130, 14916-14917.	13.7	59
32	Protonation Sites of Isolated Fluorobenzene Revealed by IR Spectroscopy in the Fingerprint Range. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7881-7887.	2.5	57
33	̳-Complex Structure of Gaseous Benzene <sup>+</sup> NO Cations Assayed by IR Multiple Photon Dissociation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 12553-12561.	13.7	55
34	Cysteine radical cation: A distonic structure probed by gas phase IR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9794.	2.8	55
35	Applications of Infrared Multiple Photon Dissociation (IRMPD) to the Detection of Posttranslational Modifications. <i>Chemical Reviews</i> , 2020, 120, 3261-3295.	47.7	51
36	IR Spectroscopic Features of Gaseous C <sub>7</sub> H <sub>7</sub> O <sup>+</sup> Ions: Benzylum versus Tropylium Ion Structures. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9352-9360.	2.5	50

#	ARTICLE	IF	CITATIONS
37	IR spectroscopy of protonated toluene: Probing ring hydrogen shifts in gaseous arenium ions. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 149-154.	1.5	49
38	Binding energies of Ti+(H <sub>2</sub> ) <sub>1-6</sub> clusters: Theory and experiment. <i>Journal of Chemical Physics</i> , 1997, 106, 10153-10167.	3.0	48
39	Quantitative valence bond computations of curve-crossing diagrams for model atom exchange reactions. <i>The Journal of Physical Chemistry</i> , 1990, 94, 4089-4093.	2.9	47
40	Infrared Multiphoton Dissociation Spectroscopy of Gas-Phase Mass-Selected Hydrocarbon <sup>+</sup> Fe <sup>+</sup> Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 11666-11674.	13.7	47
41	Reductive Nitrile Coupling in Niobium <sup>+</sup> Acetonitrile Complexes Probed by Free Electron Laser IR Multiphoton Dissociation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3350-3355.	2.5	47
42	Tautomerism of cytosine probed by gas phase IR spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2009, 283, 214-221.	1.5	47
43	Naked Five-Coordinate FeIII(NO) Porphyrin Complexes: Vibrational and Reactivity Features. <i>Inorganic Chemistry</i> , 2011, 50, 4445-4452.	4.0	47
44	Structure of Co(H <sub>2</sub> ) <sub>n</sub> + Clusters, for n = 1-6. <i>The Journal of Physical Chemistry</i> , 1995, 99, 3444-3447.	2.9	46
45	Molecular Complexes of Simple Anions with Electron <sup>-</sup> Deficient Arenes: Spectroscopic Evidence for Two Types of Structural Motifs for Anion <sup>-</sup> Arene Interactions. <i>Chemistry - A European Journal</i> , 2009, 15, 8185-8195.	3.3	44
46	Protonation of heterocyclic aromatic molecules: IR signature of the protonation site of furan and pyrrole. <i>International Journal of Mass Spectrometry</i> , 2007, 267, 43-53.	1.5	43
47	Infrared spectroscopy of isolated nucleotides. 1. The cyclic 3 <sup>+</sup> ,5 <sup>-</sup> -adenosine monophosphate anion. <i>International Journal of Mass Spectrometry</i> , 2008, 270, 111-117.	1.5	43
48	Structural Characterization by IRMPD Spectroscopy and DFT Calculations of Deprotonated Phosphorylated Amino Acids in the Gas Phase. <i>ChemPhysChem</i> , 2009, 10, 1630-1641.	2.1	41
49	Theoretical study of the hydrogen-metal complex (H <sub>2</sub> -ML <sup>+</sup> ) binding energies. <i>The Journal of Physical Chemistry</i> , 1993, 97, 11912-11920.	2.9	40
50	Diagnosing the Protonation Site of <i>b</i> <sub>2</sub> Peptide Fragment Ions using IRMPD in the X <sup>+</sup> H (X = O, N, and C) Stretching Region. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1645-50.	2.8	40
51	Chiral Recognition in Cinchona Alkaloid Protonated Dimers: Mass Spectrometry and UV Photodissociation Studies. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3306-3312.	2.5	39
52	Benzylum versus Tropylium Ion Dichotomy: Vibrational Spectroscopy of Gaseous C <sub>8</sub> H <sub>9</sub> <sup>+</sup> Ions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4947-4949.	13.8	38
53	Gas phase structure of micro-hydrated [Mn(CIO <sub>4</sub> ) <sup>+</sup> ] and [Mn <sub>2</sub> (CIO <sub>4</sub> ) <sub>3</sub> ] <sup>+</sup> ions probed by infrared spectroscopy. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 758-772.	2.8	37
54	Radiolysis as a solution for accelerated ageing studies of electrolytes in Lithium-ion batteries. <i>Nature Communications</i> , 2015, 6, 6950.	12.8	37

#	ARTICLE	IF	CITATIONS
55	Molecular Dynamics and Room Temperature Vibrational Properties of Deprotonated Phosphorylated Serine. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 2388-2400.	5.3	35
56	Direct Evidence for Tautomerization of the Uracil Moiety within the $Pb^{2+}$ /Uridine-5'-monophosphate Complex: A Combined Tandem Mass Spectrometry and IRMPD study. <i>Inorganic Chemistry</i> , 2011, 50, 7769-7778.	4.0	35
57	Structure of $V(H_2O)_n^{+}$ Clusters for $n = 1-6$ . <i>The Journal of Physical Chemistry</i> , 1995, 99, 6836-6841.	2.9	34
58	Direct Probe of NO Vibration in the Naked Ferric Heme Nitrosyl Complex. <i>ChemPhysChem</i> , 2008, 9, 826-828.	2.1	33
59	Infrared Spectroscopy of Protonated Phenylsilane in the Gas Phase. <i>ChemPhysChem</i> , 2005, 6, 437-440.	2.1	32
60	Room-Temperature Infrared Spectroscopy Combined with Mass Spectrometry Distinguishes Gas-Phase Protein Isomers. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8340-8342.	13.8	31
61	S-nitrosation of cysteine as evidenced by IRMPD spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2012, 330-332, 160-167.	1.5	31
62	Mechanistic Investigation of the Generation of a Palladium(0) Catalyst from a Palladium(II) Allyl Complex: A Combined Experimental and DFT Study. <i>Organometallics</i> , 2012, 31, 5975-5978.	2.3	30
63	Kinetic control in the CID-induced elimination of $H_3PO_4$ from phosphorylated serine probed using IRMPD spectroscopy. <i>Chemical Communications</i> , 2014, 50, 3845-3848.	4.1	30
64	Rearrangement Pathways of the $a_4$ Ion of Protonated YGGFL Characterized by IR Spectroscopy and Modeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 664-675.	2.8	29
65	Cytosine Radical Cations: A Gas-Phase Study Combining IRMPD Spectroscopy, LVPD Spectroscopy, Ion-Molecule Reactions, and Theoretical Calculations. <i>ChemPhysChem</i> , 2017, 18, 1293-1301.	2.1	29
66	Valence Bond Analysis of the Lone Pair Bond Weakening Effect for the $X\hat{\sigma}^*H$ Bonds in the Series $XHn=CH_4, NH_3, OH_2, FH$ . <i>The Journal of Physical Chemistry</i> , 1996, 100, 6463-6468.	2.9	28
67	Binding motifs of silver in prion octarepeat model peptides: a joint ion mobility, IR and UV spectroscopies, and theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11433.	2.8	28
68	Gas-phase infrared spectrum and acidity of the radical cation of 9-methylguanine. <i>Chemical Communications</i> , 2013, 49, 7343.	4.1	27
69	<i>o,m</i> - and <i>p</i> -Diphosphabenzene and Their $P_2(C\hat{\sigma}^*H)_4$ Valence Isomers. An Ab Initio Theoretical Study. <i>Journal of the American Chemical Society</i> , 1999, 121, 4215-4221.	13.7	26
70	Gas Phase Structure of Metal Mediated (Cytosine) $_2Ag^{+}$ Mimics the Hemiprotonated (Cytosine) $_2H^{+}$ Dimer in <i>i</i> -Motif Folding. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3804-3809.	2.5	26
71	Cisplatin and transplatin interaction with methionine: bonding motifs assayed by vibrational spectroscopy in the isolated ionic complexes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26697-26707.	2.8	26
72	Infrared spectroscopy of nucleotides in the gas phase 2. The protonated cyclic 3',5'-adenosine monophosphate. <i>RSC Advances</i> , 2013, 3, 12711.	3.6	25

#	ARTICLE	IF	CITATIONS
73	IR Signature of NO Binding to a Ferrous Heme Center. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2414-2417.	4.6	24
74	Structure of Pb <sup>2+</sup> /dCMP and Pb <sup>2+</sup> /CMP complexes as characterized by tandem mass spectrometry and IRMPD spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2011, 304, 154-164.	1.5	23
75	Structure of singly hydrated, protonated phospho-tyrosine. <i>International Journal of Mass Spectrometry</i> , 2011, 308, 338-347.	1.5	22
76	Spectroscopic Signatures of Peptides Containing Tryptophan Radical Cations. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11430-11432.	13.8	22
77	Fingerprints of Both Watson-Crick and Hoogsteen Isomers of the Isolated (Cytosine-Guanine)H <sup>+</sup> Pair. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5501-5506.	4.6	22
78	Watson-Crick Base Pair Radical Cation as a Model for Oxidative Damage in DNA. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3159-3165.	4.6	22
79	Correlation-consistent valence bond method with purely local orbitals: application to hydrogen, lithium dimer, hydrogen fluoride, fluorine and collinear hydrogen (H <sub>3</sub> ) and lithium (Li <sub>3</sub> ). <i>The Journal of Physical Chemistry</i> , 1990, 94, 4082-4089.	2.9	21
80	Theoretical study of the low-lying states of MgN <sub>2</sub> <sup>+</sup> . <i>Chemical Physics Letters</i> , 1994, 225, 467-472.	2.6	21
81	Infrared Absorption Features of Gaseous Isopropyl Carbocations. <i>ChemPhysChem</i> , 2004, 5, 1679-1685.	2.1	21
82	Rearrangement chemistry of a ions probed by IR spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 172-178.	1.5	21
83	IRMPD spectroscopy of protonated S-nitrosocaptopril, a biologically active, synthetic amino acid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13455.	2.8	20
84	Short-lived intermediates (encounter complexes) in cisplatin ligand exchange elucidated by infrared ion spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 7-17.	1.5	20
85	Theoretical Study of Tungsten Carbonyl Complexes (n= 1-6): Structures, Binding Energies, and Implications for Gas Phase Reactivities. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3966-3976.	2.5	19
86	Deprotonated carbohydrate anion fragmentation chemistry: structural evidence from tandem mass spectrometry, infra-red spectroscopy, and theory. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27897-27909.	2.8	19
87	Ligand-induced decarbonylation in diphosphine-ligated palladium acetates [CH <sub>3</sub> CO <sub>2</sub> Pd(PR <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> ] <sup>+</sup> (R) Tj ETOq1 1 0.784314 r	1.5	19
88	Hypercoordination in SiH <sub>5</sub> <sup>-</sup> and SiH <sub>5</sub> . An electron-count dependence. <i>Inorganic Chemistry</i> , 1990, 29, 3047-3048.	4.0	17
89	Structure of Zirconocene Complexes Relevant for Olefin Catalysis: Infrared Fingerprint of the Zr(C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> (OH)(CH <sub>3</sub> CN) <sup>+</sup> Cation in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2073-2079.	2.5	17
90	Elusive Sulfurous Acid: Gas-Phase Basicity and IR Signature of the Protonated Species. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1605-1610.	4.6	17

#	ARTICLE	IF	CITATIONS
91	Resolution and Assignment of Differential Ion Mobility Spectra of Sarcosine and Isomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 752-760.	2.8	17
92	IR Spectroscopy of $b_4$ Fragment Ions of Protonated Pentapeptides in the $X^+H$ (X = C, N, O) Region. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2508-2516.	2.5	16
93	Structural and Energetic Effects of O <sup>2+</sup> -Ribose Methylation of Protonated Purine Nucleosides. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9147-9160.	2.6	16
94	Is the hypervalent radical SiH <sub>5</sub> a stable species? An ab initio study. <i>Chemical Physics Letters</i> , 1990, 166, 49-53.	2.6	15
95	Infrared Fingerprint of Protonated Benzene in the Gas Phase. <i>Angewandte Chemie</i> , 2003, 115, 2103-2105.	2.0	15
96	Experimental infrared spectra of Cl <sup>+</sup> (ROH) (R = H, CH <sub>3</sub> , CH <sub>3</sub> CH <sub>2</sub> ) complexes in the gas-phase. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2483-2490.	2.8	15
97	Structural characterization under tandem mass spectrometry conditions: infrared spectroscopy of gas phase ions. <i>Physica Scripta</i> , 2008, 78, 058111.	2.5	15
98	On the Ag <sup>+</sup> cytosine interaction: the effect of microhydration probed by IR optical spectroscopy and density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25915-25924.	2.8	15
99	Gas-phase structure and reactivity of the keto tautomer of the deoxyguanosine radical cation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25837-25844.	2.8	15
100	IRMPD Spectroscopy: Evidence of Hydrogen Bonding in the Gas Phase Conformations of Lasso Peptides and their Branched-Cyclic Topoisomers. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3810-3816.	2.5	15
101	Sequence Ion Structures and Dissociation Chemistry of Deprotonated Sucrose Anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2380-2393.	2.8	15
102	Insights from ion mobility-mass spectrometry, infrared spectroscopy, and molecular dynamics simulations on nicotinamide adenine dinucleotide structural dynamics: NAD <sup>+</sup> vs. NADH. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7043-7052.	2.8	14
103	Accurate measurement of the relative bond energies of CO and H <sub>2</sub> O ligands in Fe <sup>+</sup> mono- and bis-ligated complexes. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 351-357.	1.5	13
104	Cyanide-Arene Meisenheimer Complex Generated in Electrospray Ionization Mass Spectrometry Using Acetonitrile as a Solvent. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1603-1607.	2.8	13
105	Gas Phase Structure and Reactivity of Doubly Charged Microhydrated Calcium(II) Catechol Complexes Probed by Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4942-4954.	2.5	13
106	Protonated Sulfuric Acid: Vibrational Signatures of the Naked Ion in the Near- and Mid-IR. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1721-1724.	4.6	12
107	Tyrosine side-chain catalyzed proton transfer in the YG a <sub>2</sub> ion revealed by theory and IR spectroscopy in the "fingerprint" and XH (X=C, N, O) stretching regions. <i>International Journal of Mass Spectrometry</i> , 2012, 316-318, 227-234.	1.5	12
108	The Intermediates in Lewis Acid Catalysis with Lanthanide Triflates. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3560-3566.	2.4	12

#	ARTICLE	IF	CITATIONS
109	The Effect of a Fourth Binding Site on the Stabilization of Cationic SPS Pincer Palladium Complexes: Experimental, DFT, and Mass Spectrometric Studies. <i>Organometallics</i> , 2009, 28, 2020-2027.	2.3	11
110	Pterin determination in cerebrospinal fluid: state of the art. <i>Pteridines</i> , 2017, 28, 83-89.	0.5	11
111	Evaluation of the Katsuki–Sharpless Epoxidation Precatalysts by ESI-FTMS, CID, and IRMPD Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1022-1029.	2.5	11
112	Structure of Proton-Bound Methionine and Tryptophan Dimers in the Gas Phase Investigated with IRMPD Spectroscopy and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2408-2415.	2.5	11
113	Mid-IR Spectroscopy and Structural Features of Protonated Carbonic Acid in the Gas Phase. <i>ChemPhysChem</i> , 2009, 10, 520-522.	2.1	10
114	Halide adducts of 1,3,5-trinitrobenzene: Vibrational signatures and role of anion–π interactions. <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 62-69.	1.5	10
115	Seleniranium Ions Undergo π-Ligand Exchange via an Associative Mechanism in the Gas Phase. <i>Journal of Organic Chemistry</i> , 2017, 82, 6289-6297.	3.2	10
116	IR spectroscopy of gaseous fluorocarbon ions: The perfluoroethyl anion. <i>Chemical Physics</i> , 2012, 398, 118-123.	1.9	9
117	Reactions of Thiiranium and Sulfonium Ions with Alkenes in the Gas Phase. <i>Journal of Organic Chemistry</i> , 2019, 84, 10076-10087.	3.2	9
118	Infrared multiple photon dissociation action spectroscopy of protonated glycine, histidine, lysine, and arginine complexed with 18-crown-6 ether. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12625-12639.	2.8	9
119	H-bonded network rearrangements in the S0, S1 and D0 states of neutral and cationic p-cresol(H2O)(NH3) complexes. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8945.	2.8	8
120	Cysteine Radical/Metal Ion Adducts: A Gas-Phase Structural Elucidation and Reactivity Study. <i>ChemPlusChem</i> , 2016, 81, 444-452.	2.8	8
121	Vibrational signatures of curcumin™s chelation in copper(II) complexes: An appraisal by IRMPD spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 165101.	3.0	8
122	Gas phase dynamics, conformational transitions and spectroscopy of charged saccharides: the oxocarbenium ion, protonated anhydrogalactose and protonated methyl galactopyranoside. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4144-4157.	2.8	8
123	Analysis of correlation consistent wavefunctions: H3X <sup>+</sup> –H bond energies (X=C, Si and Ge). <i>Chemical Physics</i> , 1992, 168, 237-247.	1.9	7
124	From Preassociation to Chelation: A Survey of Cisplatin Interaction with Methionine at Molecular Level by IR Ion Spectroscopy and Computations. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2206-2217.	2.8	7
125	Comment on “the origin of anomalous bond dissociation energies of V <sup>+</sup> (H <sub>2</sub> ) <sub>n</sub> clusters”, <i>Chemical Physics Letters</i> , 1995, 242, 244-248.	2.6	6
126	Communication: Infrared spectroscopy of protonated allyl-trimethylsilane: Evidence for the $\hat{\nu}^2$ -silyl effect. <i>Journal of Chemical Physics</i> , 2013, 139, 071102.	3.0	6



#	ARTICLE	IF	CITATIONS
127	Evaluation of Ca <sup>2+</sup> Binding Sites in Tacrolimus by Infrared Multiple Photon Dissociation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9860-9868.	2.6	6
128	Zundel-Type H-Bonding in Biomolecular Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1511-1514.	2.8	5
129	Copper mediated decyano decarboxylative coupling of cyanoacetate ligands: Pesci versus Lewis acid mechanism. <i>Dalton Transactions</i> , 2015, 44, 9230-9240.	3.3	5
130	Structural and Energetic Effects of O <sup>2</sup> -Ribose Methylation of Protonated Pyrimidine Nucleosides. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2318-2334.	2.8	5
131	Infrared isomer-specific fragmentation for the identification of aminobutyric acid isomers separated by differential mobility spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019, 443, 16-21.	1.5	5
132	On the Interaction between Deprotonated Cytosine [C(=NH)] <sup>-</sup> and Ba <sup>2+</sup> : Infrared Multiphoton Spectroscopy and Dynamics. <i>ChemPhysChem</i> , 2020, 21, 2571-2582.	2.1	5
133	Identification and quantification of amino acids and related compounds based on Differential Mobility Spectrometry. <i>Analyst</i> , 2020, 145, 4889-4900.	3.5	5
134	Mimicking the Regulation Step of Fe Monooxygenases: Allosteric Modulation of Fe <sup>IV</sup> =Oxo Formation by Guest Binding in a Dinuclear Zn <sup>II</sup> =Fe <sup>II</sup> Calix[6]arene-Based Funnel Complex. <i>Chemistry - A European Journal</i> , 2017, 23, 2894-2906.	3.3	4
135	Gas-Phase Dissociation Chemistry of Deprotonated RGD. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 55-63.	2.8	4
136	Structural Insights from Tandem Mass Spectrometry, Ion Mobility-Mass Spectrometry, and Infrared/Ultraviolet Spectroscopy on Sphingonodin I: Lasso vs Branched-Cyclic Topoisomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1096-1104.	2.8	4
137	Differentiation of Cefaclor and its delta-3 isomer by electrospray mass spectrometry, infrared multiple photon dissociation spectroscopy and theoretical calculations. <i>Journal of Mass Spectrometry</i> , 2015, 50, 265-269.	1.6	3
138	Binding Motifs in the Naked Complexes of Target Amino Acids with an Excerpt of Antitumor Active Biomolecule: An Ion Vibrational Spectroscopy Assay. <i>Chemistry - A European Journal</i> , 2021, 27, 2348-2360.	3.3	3
139	Guanine Tautomerism in Ionic Complexes with Ag <sup>+</sup> Investigated by IRMPD Spectroscopy and Mass Spectrometry. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7137-7146.	2.6	2
140	Ultrasensitive spectroscopy of ionic reactive intermediates in the gas phase performed with the first coupling of an IR FEL with an FTICR-MS. , 2003, , 541-546.		2
141	Specific rearrangement reactions of acetylated lysine containing peptide <i>b<sub>n</sub></i> ( <i>b<sub>n</sub></i> -4) ion series. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1290-1297.	1.6	1
142	IRMPD Spectra of Protonated Hydroxybenzaldehydes: Evidence of Torsional Barriers in Carboxonium Ions. <i>ChemPhysChem</i> , 2020, 21, 749-761.	2.1	1
143	Probing the gas-phase structure of charge-tagged intermediates of a proline catalyzed aldol reaction: vibrational spectroscopy distinguishes oxazolidinone from enamine species. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2578-2586.	2.8	0
144	Infrared Multiple Photon Dissociation Spectroscopy of Protonated Cyameluric Acid. <i>Journal of Physical Chemistry A</i> , 2021, 125, 607-614.	2.5	0

#	ARTICLE	IF	CITATIONS
145	Ligation Motifs in Zinc-Bound Sulfonamide Drugs Assayed by IR Ion Spectroscopy. <i>Molecules</i> , 2022, 27, 3144.	3.8	0