

# Simonetta Fornarini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5416777/publications.pdf>

Version: 2024-02-01

171  
papers

3,659  
citations

109321

35  
h-index

206112

48  
g-index

177  
all docs

177  
docs citations

177  
times ranked

2472  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive test set of epoxidation rate constants for iron(IV)oxo porphyrin cation radical complexes. <i>Chemical Science</i> , 2015, 6, 1516-1529.	7.4	96
2	Infrared Fingerprint of Protonated Benzene in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2057-2059.	13.8	87
3	Probing the Compound I-like Reactivity of a Bare High-Valent Oxo Iron Porphyrin Complex: The Oxidation of Tertiary Amines. <i>Journal of the American Chemical Society</i> , 2008, 130, 3208-3217.	13.7	84
4	Proton shifts in gaseous arenium ions and their role in the gas-phase aromatic substitution by free Me <sub>3</sub> C <sup>+</sup> and Me <sub>3</sub> Si <sup>+</sup> [tert-butyl and trimethylsilyl] cations. <i>Journal of the American Chemical Society</i> , 1992, 114, 6776-6784.	13.7	76
5	A Systematic Account on Aromatic Hydroxylation by a Cytochrome P450 Model Compound I: A Low-Pressure Mass Spectrometry and Computational Study. <i>Chemistry - A European Journal</i> , 2016, 22, 18608-18619.	3.3	74
6	Determination of sulfonamide antibiotics by gas chromatography coupled with atomic emission detection. <i>Biomedical Applications</i> , 1998, 706, 269-277.	1.7	73
7	Meisenheimer Complexes Positively Characterized as Stable Intermediates in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1995-1998.	13.8	68
8	Interaction of Cisplatin with Adenine and Guanine: A Combined IRMPD, MS/MS, and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2013, 135, 1445-1455.	13.7	64
9	Gas-Phase Ion Chemistry of Borazine, an Inorganic Analogue of Benzene. <i>Journal of the American Chemical Society</i> , 1999, 121, 11204-11210.	13.7	63
10	Gaseous Arenium Ions at Atmospheric Pressure: Elementary Reactions and Internal Solvation Effects. <i>Accounts of Chemical Research</i> , 1998, 31, 827-834.	15.6	57
11	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
12	Mechanistic views on aromatic substitution reactions by gaseous cations. <i>Mass Spectrometry Reviews</i> , 1996, 15, 365-389.	5.4	56
13	π-Complex Structure of Gaseous Benzene-NO Cations Assayed by IR Multiple Photon Dissociation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 12553-12561.	13.7	55
14	Cysteine radical cation: A distonic structure probed by gas phase IR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9794.	2.8	55
15	Applications of Infrared Multiple Photon Dissociation (IRMPD) to the Detection of Posttranslational Modifications. <i>Chemical Reviews</i> , 2020, 120, 3261-3295.	47.7	51
16	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
17	Oxygen-Atom Transfer by a Naked Manganese(V)Oxo Porphyrin Complex Reveals Axial Ligand Effect. <i>Chemistry - A European Journal</i> , 2009, 15, 7863-7866.	3.3	50
18	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

#	ARTICLE	IF	CITATIONS
19	Direct aromatic substitution by trimethylsilyl cations. <i>Journal of Organic Chemistry</i> , 1988, 53, 1314-1316.	3.2	48
20	Naked Five-Coordinate Fe(III)(NO) Porphyrin Complexes: Vibrational and Reactivity Features. <i>Inorganic Chemistry</i> , 2011, 50, 4445-4452.	4.0	47
21	Satureja montana L. essential oil and its antimicrobial activity alone or in combination with gentamicin. <i>Microbial Pathogenesis</i> , 2019, 126, 323-331.	2.9	45
22	Molecular Complexes of Simple Anions with Electron-Deficient Arenes: Spectroscopic Evidence for Two Types of Structural Motifs for Anion-Arene Interactions. <i>Chemistry - A European Journal</i> , 2009, 15, 8185-8195.	3.3	44
23	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
24	Infrared spectroscopy of isolated nucleotides. 1. The cyclic 3',5'-adenosine monophosphate anion. <i>International Journal of Mass Spectrometry</i> , 2008, 270, 111-117.	1.5	43
25	Satureja montana L. Essential Oils: Chemical Profiles/Phytochemical Screening, Antimicrobial Activity and O/W NanoEmulsion Formulations. <i>Pharmaceutics</i> , 2020, 12, 7.	4.5	43
26	Cation- $\pi$ Interactions in Protonated Phenylalkylamines. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7130-7138.	2.5	42
27	Discrimination of 4-Hydroxyproline Diastereomers by Vibrational Spectroscopy of the Gaseous Protonated Species. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8771-8779.	2.6	41
28	Binding of gaseous Fe(III)-heme cation to model biological molecules: Direct association and ligand transfer reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 589-598.	2.8	40
29	Vibrational Signatures of the Naked Aqua Complexes from Platinum(II) Anticancer Drugs. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3631-3635.	4.6	39
30	Gas-Phase Dioxygen Activation by Binuclear Manganese Clusters. <i>Chemistry - A European Journal</i> , 2002, 8, 2740.	3.3	38
31	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
32	A multi-methodological approach in the study of Italian PDO "Cornetto di Pontecorvo" red sweet pepper. <i>Food Chemistry</i> , 2018, 255, 120-131.	8.2	38
33	A comparative study of gas phase aromatic desilylation and tertbutylation by charged electrophiles. <i>Canadian Journal of Chemistry</i> , 1988, 66, 3099-3107.	1.1	37
34	Electrophilic Substitution of Gaseous Borazine. <i>Journal of the American Chemical Society</i> , 1999, 121, 2619-2620.	13.7	37
35	Interaction of Cisplatin with 5'-dGMP: A Combined IRMPD and Theoretical Study. <i>Inorganic Chemistry</i> , 2015, 54, 3513-3522.	4.0	37
36	Unravelling the Intrinsic Features of NO Binding to Iron(II)- and Iron(III)-Hemes. <i>Inorganic Chemistry</i> , 2008, 47, 7792-7801.	4.0	36

#	ARTICLE	IF	CITATIONS
37	Cationic aromatic silylation in the gas phase. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988, 84, 17-32.	1.8	35
38	IR spectrum of the protonated neurotransmitter 2-phenylethylamine: dispersion and anharmonicity of the NH <sub>3</sub> <sup>+</sup> interaction. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25742-25754.	2.8	34
39	Hydrolysis of cis- and transplatin: structure and reactivity of the aqua complexes in a solvent free environment. <i>RSC Advances</i> , 2017, 7, 15877-15884.	3.6	34
40	Direct Probe of NO Vibration in the Naked Ferric Heme Nitrosyl Complex. <i>ChemPhysChem</i> , 2008, 9, 826-828.	2.1	33
41	Cisplatin Binding to Biological Ligands Revealed at the Encounter Complex Level by IR Action Spectroscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 3794-3803.	3.3	33
42	Cisplatin Primary Complex with Histidine Target Revealed by IR Multiple Photon Dissociation (IRMPD) Spectroscopy. <i>ChemPhysChem</i> , 2017, 18, 318-325.	2.1	33
43	Infrared Spectroscopy of Protonated Phenylsilane in the Gas Phase. <i>ChemPhysChem</i> , 2005, 6, 437-440.	2.1	32
44	Serine O-sulfation probed by IRMPD spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25891-25904.	2.8	32
45	S-nitrosation of cysteine as evidenced by IRMPD spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2012, 330-332, 160-167.	1.5	31
46	Kinetic control in the CID-induced elimination of H <sub>3</sub> PO <sub>4</sub> from phosphorylated serine probed using IRMPD spectroscopy. <i>Chemical Communications</i> , 2014, 50, 3845-3848.	4.1	30
47	Interannular proton transfer in thermal arenium ions from the gas-phase alkylation of 1,2-diphenylethane. <i>Journal of the American Chemical Society</i> , 1993, 115, 1024-1031.	13.7	28
48	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
49	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
50	Phytochemical and biological characterization of Italian 'Cesedano bianco di Sperlonga' Protected Geographical Indication celery ecotype: A multimethodological approach. <i>Food Chemistry</i> , 2020, 309, 125649.	8.2	25
51	Gas-phase hydrogen/deuterium exchange of adenine nucleotides. <i>Journal of Mass Spectrometry</i> , 2003, 38, 854-861.	1.6	24
52	Protonated Heme. <i>Chemistry - A European Journal</i> , 2007, 13, 776-785.	3.3	24
53	IR Signature of NO Binding to a Ferrous Heme Center. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2414-2417.	4.6	24
54	Brønsted-Acid Behavior of C <sub>6</sub> (H,D) <sub>7</sub> +Benzenium Ions. A Combined Approach by Radiolytic, FA-SIFT, and FT-ICR Methodologies. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16201-16208.	2.9	23

#	ARTICLE	IF	CITATIONS
55	Positive Ion Chemistry of Elemental Fluorine. <i>Journal of the American Chemical Society</i> , 1997, 119, 9499-9503.	13.7	23
56	Radiolytic Silylation of Alkenes and Alkynes by Gaseous R <sub>3</sub> Si <sup>+</sup> Ions. Stereochemical Evidence for the $\beta$ -Silyl Effect. <i>Journal of the American Chemical Society</i> , 1998, 120, 1523-1527.	13.7	22
57	IR ion spectroscopy in a combined approach with MS/MS and IM-MS to discriminate epimeric anthocyanin glycosides (cyanidin 3-O-glucoside and -galactoside). <i>International Journal of Mass Spectrometry</i> , 2019, 444, 116179.	1.5	22
58	A multi-methodological inquiry of the behavior of cisplatin-based Pt(IV) derivatives in the presence of bioreductants with a focus on the isolated encounter complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 655-670.	2.6	22
59	[R <sub>3</sub> Si-arene] <sup>+</sup> Complexes in the Gas Phase. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 654-655.	4.4	21
60	Generation and assay of C <sub>6</sub> H <sub>x</sub> D <sub>(7-x)</sub> <sup>+</sup> (x = 1-6) benzenium ions: a flowing afterglow-selected ion flow tube study. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997, 161, 41-45.	1.8	21
61	Infrared Absorption Features of Gaseous Isopropyl Carbocations. <i>ChemPhysChem</i> , 2004, 5, 1679-1685.	2.1	21
62	Tyrosine nitration as evidenced by IRMPD spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2011, 308, 209-216.	1.5	21
63	Direct evidence for the existence and the relative stability of gaseous ethylenebenzenium ions from a carbon-13 labeling study. <i>Journal of the American Chemical Society</i> , 1989, 111, 873-877.	13.7	20
64	Ionic Lewis superacids in the gas phase. Part 2. Reactions of gaseous CF <sub>3</sub> <sup>+</sup> with oxygen bases. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 127, 123-135.	1.8	20
65	Compound I of Naked Heme (Iron Protoporphyrin IX). <i>Inorganic Chemistry</i> , 2007, 46, 9018-9020.	4.0	20
66	Probing $\sigma$ -Spin-Forbidden <sup>TM</sup> Oxygen-Atom Transfer: Gas-Phase Reactions of Chromium <sup>III</sup> Porphyrin Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 4336-4343.	13.7	20
67	IRMPD spectroscopy of protonated S-nitrosocaptopril, a biologically active, synthetic amino acid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13455.	2.8	20
68	Vibrational Signatures of S-Nitrosoglutathione as Gaseous, Protonated Species. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12371-12382.	2.6	20
69	S-Cysteine Modified by S-Sulfation: Consequence on Fragmentation Processes Elucidated by Tandem Mass Spectrometry and Chemical Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3685-3696.	2.5	20
70	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
71	Gas-Phase Protonation of Allene and Propyne. Remarkably Selective Formation of 2-Propenyl Ions. <i>Journal of the American Chemical Society</i> , 1984, 106, 2498-2501.	13.7	19
72	Gas-phase acid-induced nucleophilic displacement reactions. 7. Structural and stereochemical evidence for the existence and the relative stability of ethylenebenzenium ions in the gas phase. <i>Journal of the American Chemical Society</i> , 1988, 110, 34-41.	13.7	19

#	ARTICLE	IF	CITATIONS
73	Amino Acid Oxidation: A Combined Study of Cysteine Oxo Forms by IRMPD Spectroscopy and Simulations. <i>Chemistry - A European Journal</i> , 2016, 22, 17239-17250.	3.3	19
74	Insights into Cisplatin Binding to Uracil and Thiouracils from IRMPD Spectroscopy and Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 946-960.	2.8	19
75	Tritiated ethylene as precursor of a free vinyl cation.. <i>Tetrahedron Letters</i> , 1984, 25, 869-872.	1.4	18
76	Gas-phase heteroaromatic substitution. 9. Silylation of simple five-membered heteroaromatic rings by trimethylsilyl cations. <i>Journal of the American Chemical Society</i> , 1990, 112, 6929-6935.	13.7	18
77	Internal Solvation Effects on the Reactivity of .alpha.,.omega.-Diphenylalkanes toward Me <sub>3</sub> C <sup>+</sup> Ions. <i>The Journal of Physical Chemistry</i> , 1995, 99, 3144-3149.	2.9	18
78	Gas-Phase Protonation of .alpha.,.omega.-Diphenylalkanes. <i>The Journal of Physical Chemistry</i> , 1995, 99, 3150-3155.	2.9	18
79	An integrated approach to study novel properties of a MALDI matrix (4-maleicanhydridoproton) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.7	18
80	Long-Livedipso-Silylatedp-Toluenium Ions: Evidence from a Kinetic Isotope Effect. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1094-1096.	4.4	17
81	The Protonation of Gaseous Cyclopropane. <i>Chemistry - A European Journal</i> , 2001, 7, 2916-2921.	3.3	17
82	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
83	Undervalued N3 Coordination Revealed in the Cisplatin Complex with 2â€²-Deoxyadenosine-5â€²-monophosphate by a Combined IRMPD and Theoretical Study. <i>Inorganic Chemistry</i> , 2017, 56, 8793-8801.	4.0	17
84	Broensted versus Lewis acid reactivity of gaseous cations (ethyl, isopropyl, formyl) towards arenes. <i>Journal of the American Chemical Society</i> , 1992, 114, 2002-2009.	13.7	16
85	Complexation of halide ions to tyrosine: role of non-covalent interactions evidenced by IRMPD spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4429-4441.	2.8	16
86	Ionic Lewis superacids in the gas phase. Part 3. Reactions of gaseous CF <sub>3</sub> <sup>+</sup> with nitrogen bases. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993, 127, 137-146.	1.8	15
87	Gas-Phase H/D Exchange between Arenium Ions and Selected Bases. The Site of Protonation of Simple Aromatics. <i>Journal of the American Chemical Society</i> , 1998, 120, 10856-10862.	13.7	15
88	Infrared Fingerprint of Protonated Benzene in the Gas Phase. <i>Angewandte Chemie</i> , 2003, 115, 2103-2105.	2.0	15
89	Aromatic Alkylation by Gaseous Me <sub>3</sub> C <sup>+</sup> Ions. Kinetic Role of Deprotonation of Intermediate Arenium Ions. <i>Journal of the American Chemical Society</i> , 1994, 116, 5873-5879.	13.7	14
90	Ultra-Fast-VUV Photoemission Study of UV Excited 2-Nitrophenol. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1295-1302.	2.5	14

#	ARTICLE	IF	CITATIONS
91	Binding motifs of cisplatin interaction with simple biomolecules and aminoacid targets probed by IR ion spectroscopy. <i>Pure and Applied Chemistry</i> , 2020, 92, 3-13.	1.9	14
92	Gas-phase cationic methylation of biphenyl and methylbiphenyls. A mass spectrometric and radiolytic study. <i>Journal of the American Chemical Society</i> , 1986, 108, 7495-7501.	13.7	13
93	The Deprotonation of Benzyl Alcohol Radical Cations: A Mechanistic Dichotomy in the Gas Phase as in Solution. <i>Chemistry - A European Journal</i> , 2002, 8, 532-537.	3.3	13
94	What Ion Is Generated When Ionizing Acetonitrile?. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4425-4427.	2.5	13
95	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
96	Anion Recognition by Uranyl-Salophen Derivatives as Probed by Infrared Multiple Photon Dissociation Spectroscopy and Ab Initio Modeling. <i>Chemistry - A European Journal</i> , 2014, 20, 11783-11792.	3.3	13
97	Effects of Aromatic Fluorine Substitution on Protonated Neurotransmitters: The Case of 2-Phenylethylamine. <i>Chemistry - A European Journal</i> , 2016, 22, 8124-8136.	3.3	13
98	Mass Spectrometry of Sulfonic Acids and their Derivatives. , 0, , 73-133.		12
99	[Arene·Me <sub>3</sub> C <sup>+</sup> ] non-covalent complexes in the gas-phase (trifluoro)methylation of tert-butyl-substituted diphenylalkanes. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 148, 215-228.	1.8	12
100	Aromatic Silylation of (Trimethylgermyl)benzene by Gaseous Me <sub>3</sub> Si <sup>+</sup> Ions via Me <sub>3</sub> Ge <sup>+</sup> Displacement. <i>Organometallics</i> , 1995, 14, 2624-2626.	2.3	12
101	Gas-Phase Reactivity of Organosilane Radical Cations. An FT-ICR Study. <i>Organometallics</i> , 2000, 19, 844-848.	2.3	12
102	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
103	Adenosine monophosphate recognition by zinc-salophen complexes: IRMPD spectroscopy and quantum modeling study. <i>Journal of Molecular Spectroscopy</i> , 2017, 335, 108-116.	1.2	12
104	Chemico-Biological Characterization of Torpedino Di Fondi® Tomato Fruits: A Comparison with San Marzano Cultivar at Two Ripeness Stages. <i>Antioxidants</i> , 2020, 9, 1027.	5.1	12
105	Metabolomic Profiling of Fresh Goji ( <i>Lycium barbarum</i> L.) Berries from Two Cultivars Grown in Central Italy: A Multi-Methodological Approach. <i>Molecules</i> , 2021, 26, 5412.	3.8	12
106	Ion-Molecule Reactions in Gaseous CF <sub>4</sub> /CO Mixtures. Formation and Reactivity of CF <sub>3</sub> CO <sup>+</sup> Ions. <i>The Journal of Physical Chemistry</i> , 1994, 98, 1641-1647.	2.9	11
107	A Gas-Phase Study of the Ionic Alkylation of Benzocycloalkenes. <i>Journal of the American Chemical Society</i> , 2000, 122, 5397-5398.	13.7	11
108	Ion-Molecule Reactions of Silicon Cations. , 0, , 1027-1057.		11

#	ARTICLE	IF	CITATIONS
109	Metabolic profiling of different wild and cultivated <i>Allium</i> species based on high-resolution mass spectrometry, high-performance liquid chromatography-photodiode array detector, and color analysis. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4525.	1.6	11
110	Gas-phase reactions of charged electrophiles with styrene and phenylacetylene. <i>Journal of the American Chemical Society</i> , 1989, 111, 6008-6014.	13.7	10
111	Cation- $\pi$ Interactions in the Gas Phase Methylation of $\beta$ , $\gamma$ -Diphenylalkanes. <i>Journal of Physical Chemistry A</i> , 2003, 107, 4619-4624.	2.5	10
112	Mid-IR Spectroscopy and Structural Features of Protonated Carbonic Acid in the Gas Phase. <i>ChemPhysChem</i> , 2009, 10, 520-522.	2.1	10
113	Halide adducts of 1,3,5-trinitrobenzene: Vibrational signatures and role of anion- $\pi$ interactions. <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 62-69.	1.5	10
114	Cation- $\pi$ interactions in gaseous $\beta$ -phenylalkyloxonium ions. <i>International Journal of Mass Spectrometry</i> , 2004, 235, 145-154.	1.5	9
115	Chemistry of protonated species in gaseous environments. <i>Journal of Physical Organic Chemistry</i> , 2004, 17, 957-966.	1.9	9
116	Heme-peptide/protein ions and phosphorous ligands: search for site-specific addition reactions. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 12, 22-35.	2.6	9
117	Communication: Vibrational study of a benzyl carbanion: Deprotonated 2,4-dinitrotoluene. <i>Journal of Chemical Physics</i> , 2012, 137, 181101.	3.0	9
118	Jahn-Teller Distortion of Hydrocarbon Cations Probed by Infrared Photodissociation Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7373-7375.	13.8	9
119	IR spectroscopy of gaseous fluorocarbon ions: The perfluoroethyl anion. <i>Chemical Physics</i> , 2012, 398, 118-123.	1.9	9
120	Ipso aromatic alkylation in the gas phase. Intermediacy and structure of gaseous heptaalkylbenzenium ions. <i>Journal of the American Chemical Society</i> , 1985, 107, 2297-2302.	13.7	8
121	Structure and Reactivity of Protonated $\beta$ , $\gamma$ , $\delta$ -Trifluorotoluene in the Gas Phase. A Combined FT-ICR, Radiolytic, and ab Initio MO Study. <i>The Journal of Physical Chemistry</i> , 1996, 100, 19859-19863.	2.9	8
122	Isomeric C <sub>5</sub> H <sub>11</sub> Si <sup>+</sup> ions from the trimethylsilylation of acetylene: An experimental and theoretical study. <i>International Journal of Mass Spectrometry</i> , 2013, 334, 58-66.	1.5	8
123	The effect of fluorine substitution on chiral recognition: interplay of CH- $\pi$ , OH- $\pi$ and CH-F interactions in gas-phase complexes of 1-aryl-1-ethanol with butan-2-ol. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19360.	2.8	8
124	Intrinsic Properties of Nitric Oxide Binding to Ferrous and Ferric Hemes. <i>Croatica Chemica Acta</i> , 2014, 87, 307-314.	0.4	8
125	Vibrational signatures of curcumin- <sup>TM</sup> s chelation in copper(II) complexes: An appraisal by IRMPD spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 165101.	3.0	8
126	Elusive Intermediates in the Breakdown Reactivity Patterns of Prodrug Platinum(IV) Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1881-1894.	2.8	8



#	ARTICLE	IF	CITATIONS
127	Langlebige <i>silylierte Tolykationen</i> – Belege durch einen kinetischen Isotopeneffekt. <i>Angewandte Chemie</i> , 1994, 106, 1157-1159.	2.0	7
128	Ionic Lewis superacids in the gas phase. Part 4. CF <sub>3</sub> initiated ion/molecule reaction patterns in the <sup>13</sup> F-radiolysis of CF <sub>4</sub> /n-bases gaseous mixtures. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994, 130, 207-222.	1.8	7
129	Hydride ion transfer reactions in the gas phase. Pressure dependence of reaction efficiency as a criterion for the recognition of anchimeric assistance. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 121.	2.0	7
130	Reactions of Bare and Ligated Chromium(I) Ions with Gaseous Arenes. Role of a <i>“Spectator”</i> Aromatic Ring in Chelate Complex Formation. <i>Organometallics</i> , 1996, 15, 5695-5700.	2.3	7
131	Binding ofazole drugs to heme: A combined MS/MS and computational approach. <i>Polyhedron</i> , 2015, 90, 245-251.	2.2	7
132	Hydrogen Atom vs. Hydride Transfer in Cytochrome P450 Oxidations: A Combined Mass Spectrometry and Computational Study. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1854-1865.	2.0	7
133	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
134	Molecular Basis for the Remarkably Different Gas-Phase Behavior of Deprotonated Thyroid Hormones Triiodothyronine (T <sub>3</sub> ) and Reverse Triiodothyronine (rT <sub>3</sub> ): A Clue for Their Discrimination?. <i>Analytical Chemistry</i> , 2021, 93, 14869-14877.	6.5	7
135	Gas phase germylation of simple aromatics by Me <sub>3</sub> Ge <sup>+</sup> ions. <i>Journal of Organometallic Chemistry</i> , 1997, 545-546, 53-59.	1.8	6
136	Site-selectivity of protonation in gaseous toluene. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5507.	2.8	6
137	Communication: Infrared spectroscopy of protonated allyl-trimethylsilane: Evidence for the <sup>12</sup> -silyl effect. <i>Journal of Chemical Physics</i> , 2013, 139, 071102.	3.0	6
138	Gas-phase aromatic substitution: reactivity of (trifluoromethoxy)benzene toward charged electrophiles. <i>The Journal of Physical Chemistry</i> , 1991, 95, 8731-8737.	2.9	5
139	Gas phase reactivity of aromatic silanes. The reaction of Ph(CH <sub>2</sub> ) <sub>x</sub> SiMe <sub>3</sub> (x = 0 or 1) with cationic electrophiles. <i>Journal of Organometallic Chemistry</i> , 1994, 465, 109-118.	1.8	5
140	Probing Bare High-Valent Transition Oxo–Metal Complexes: An Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Study of Reactive Intermediates. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 407-414.	1.0	5
141	N-nitrosation of N-acetyltryptophan probed by IR spectroscopy of the gaseous anion. <i>Chemical Physics Letters</i> , 2013, 588, 215-219.	2.6	5
142	Exploring the Conformational Variability in the Heme b Propionic Acid Side Chains through the Effect of a Biological Probe: A Study of the Isolated Ions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1919-1929.	2.6	5
143	Molecular Properties of Bare and Microhydrated Vitamin B <sub>5</sub> –Calcium Complexes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 692.	4.1	5
144	Cation–Interactions between a Noble Metal and a Polyfunctional Aromatic Ligand: Ag <sup>+</sup> (benzylamine). <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5

#	ARTICLE	IF	CITATIONS
145	Positive evidence for tetrahedral R'C(OR)3H+ intermediates in the gas phase. <i>Journal of the American Chemical Society</i> , 1988, 110, 963-965.	13.7	4
146	Gas-Phase Protonation of Benzocycloalkenes. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 881-887.	1.0	4
147	IRMPD signature of protonated pantothenic acid, an ubiquitous nutrient. <i>Chemical Physics Letters</i> , 2016, 646, 162-167.	2.6	4
148	Gas phase alkylation of dihalobenzenes by free isopropyl cations. <i>Tetrahedron</i> , 1987, 43, 2831-2841.	1.9	3
149	Protonated methanesulfonic acid and related ions: a study of their gas phase structure and reactivity. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992, 112, 231-246.	1.8	3
150	Gas phase alkylation of phenyltrimethylgermanes. <i>Journal of Organometallic Chemistry</i> , 1997, 545-546, 45-51.	1.8	3
151	Fourier transform ion cyclotron resonance study of the gas-phase basicity of N-nitrosodimethylamine. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1379-1381.	1.6	3
152	Photoionization mass spectrometry of $\alpha$ -phenylalkylamines: Role of radical cation- $\pi$ interaction. <i>Journal of Chemical Physics</i> , 2018, 148, 164307.	3.0	3
153	Can an Elusive Platinum(III) Oxidation State be Exposed in an Isolated Complex?. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15595-15598.	13.8	3
154	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
155	Arylation of cyclic ethers by gaseous phenylium ions. Formation and behavior of phenoxenium ions in the gas phase. <i>Canadian Journal of Chemistry</i> , 1988, 66, 2506-2514.	1.1	2
156	Tandem Mass Spectrometry of Nitric Oxide and Hydrogen Sulfide Releasing Aspirins: A Hint into Activity Behavior. <i>Mass Spectrometry</i> , 2013, 2, A0017-A0017.	0.6	2
157	Probing the exposure of the phosphate group in modified amino acids and peptides by ion-molecule reactions with triethoxyborane in Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1107-1116.	1.5	2
158	Nitrosyl-heme and anion-arene complexes: structure, reactivity and spectroscopy. <i>Pure and Applied Chemistry</i> , 2015, 87, 379-390.	1.9	2
159	IRMPD Spectroscopy of Bare Monodeprotonated Genistein, an Antioxidant Flavonoid. <i>ACS Omega</i> , 0, , .	3.5	2
160	Gas-phase reactivity of the vinyl cation towards simple molecules. Hydrogen and methane. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1986, 72, 137-144.	1.8	1
161	A neutralization-reionization and reactivity mass spectrometry study of the generation of neutral hydroxymethylene. <i>Journal of Mass Spectrometry</i> , 2011, 46, 546-552.	1.6	1
162	Experimental and Computational Investigation of Salophen-Zn Gas Phase Complexes with Cations: A Source of Possible Interference in Anionic Recognition. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7042-7050.	2.5	1

#	ARTICLE	IF	CITATIONS
163	Structure and dynamics of gas phase ions: Interplay between experiments and computations in IRMPD spectroscopy. AIP Conference Proceedings, 2017, , .	0.4	1
164	Vibrational signatures of gaseous Meisenheimer complexes bonded at carbon and nitrogen. International Journal of Mass Spectrometry, 2017, 418, 173-179.	1.5	1
165	Can an Elusive Platinum(III) Oxidation State be Exposed in an Isolated Complex?. Angewandte Chemie, 2020, 132, 15725-15728.	2.0	1
166	IRMPD Spectra of Protonated Hydroxybenzaldehydes: Evidence of Torsional Barriers in Carboxonium Ions. ChemPhysChem, 2020, 21, 749-761.	2.1	1
167	[R <sub>3</sub> Si <sup>+</sup> Ar] <sup>+</sup> Komplexe in der Gasphase. Angewandte Chemie, 1995, 107, 754-756.		0
168	Ion-Molecule Reaction of Silicon Cations. ChemInform, 2003, 34, no.	0.0	0
169	Chemistry of Protonated Species in Gaseous Environments. ChemInform, 2005, 36, no.	0.0	0
170	Prevailing charge transfer in the reaction of protonated and neutral nitric oxide: A theoretical and experimental study. International Journal of Mass Spectrometry, 2022, 471, 116724.	1.5	0
171	Ligation Motifs in Zinc-Bound Sulfonamide Drugs Assayed by IR Ion Spectroscopy. Molecules, 2022, 27, 3144.	3.8	0