Maria Elisa Crestoni

List of Publications by Year
in descending order

168 papers	3,540 citations	117625 34 h-index	214800 47 g-index
173 all docs	173 docs citations	173 times ranked	2581 citing authors

#	Article	IF	Citations
1	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
2	Cationâ€Ï€ Interactions between a Noble Metal and a Polyfunctional Aromatic Ligand: Ag⁺(benzylamine). Chemistry - A European Journal, 2022, 28, .	3.3	5
3	Ligation Motifs in Zinc-Bound Sulfonamide Drugs Assayed by IR Ion Spectroscopy. Molecules, 2022, 27, 3144.	3.8	0
4	Binding Motifs in the Naked Complexes of Target Amino Acids with an Excerpt of Antitumor Active Biomolecule: An Ion Vibrational Spectroscopy Assay. Chemistry - A European Journal, 2021, 27, 2348-2360.	3.3	3
5	Nanoemulsions of Satureja montana Essential Oil: Antimicrobial and Antibiofilm Activity against Avian Escherichia coli Strains. Pharmaceutics, 2021, 13, 134.	4.5	14
6	Molecular Properties of Bare and Microhydrated Vitamin B5â€“Calcium Complexes. International Journal of Molecular Sciences, 2021, 22, 692.	4.1	5
7	Unprotected Galactosamine as a Dynamic Key for a Cyclochiral Lock. Journal of the American Society for Mass Spectrometry, 2021, 32, 736-743.	2.8	0
8	Design and Synthesis of Piperazine-Based Compounds Conjugated to Humanized Ferritin as Delivery System of siRNA in Cancer Cells. Bioconjugate Chemistry, 2021, 32, 1105-1116.	3.6	14
9	Heme ligation in the gas phase. International Reviews in Physical Chemistry, 2021, 40, 365-404.	2.3	2
10	From Preassociation to Chelation: A Survey of Cisplatin Interaction with Methionine at Molecular Level by IR Ion Spectroscopy and Computations. Journal of the American Society for Mass Spectrometry, 2021, 32, 2206-2217.	2.8	7
11	Metabolomic Profiling of Fresh Goji (Lycium barbarum L.) Berries from Two Cultivars Grown in Central Italy: A Multi-Methodological Approach. Molecules, 2021, 26, 5412.	3.8	12
12	Molecular Basis for the Remarkably Different Gas-Phase Behavior of Deprotonated Thyroid Hormones Triiodothyronine (T3) and Reverse Triiodothyronine (rT3): A Clue for Their Discrimination?. Analytical Chemistry, 2021, 93, 14869-14877.	6.5	7
13	Binding motifs of cisplatin interaction with simple biomolecules and aminoacid targets probed by IR ion spectroscopy. Pure and Applied Chemistry, 2020, 92, 3-13.	1.9	14
14	Phytochemical and biological characterization of Italian â€œsedano bianco di Sperlongaâ€•Protected Geographical Indication celery ecotype: A multimethodological approach. Food Chemistry, 2020, 309, 125649.	8.2	25
15	Applications of Infrared Multiple Photon Dissociation (IRMPD) to the Detection of Posttranslational Modifications. Chemical Reviews, 2020, 120, 3261-3295.	47.7	51
16	Satureja montana L. Essential Oils: Chemical Profiles/Phytochemical Screening, Antimicrobial Activity and O/W NanoEmulsion Formulations. Pharmaceutics, 2020, 12, 7.	4.5	43
17	Correlation between the Antimicrobial Activity and Metabolic Profiles of Cell Free Supernatants and Membrane Vesicles Produced by Lactobacillus reuteri DSM 17938. Microorganisms, 2020, 8, 1653.	3.6	22
18	Chemico-Biological Characterization of Torpedino Di FondiÂ® Tomato Fruits: A Comparison with San Marzano Cultivar at Two Ripeness Stages. Antioxidants, 2020, 9, 1027.	5.1	12

#	Article	IF	Citations
19	Can an Elusive Platinum(III) Oxidation State be Exposed in an Isolated Complex?. Angewandte Chemie - International Edition, 2020, 59, 15595-15598.	13.8	3
20	Can an Elusive Platinum(III) Oxidation State be Exposed in an Isolated Complex?. Angewandte Chemie, 2020, 132, 15725-15728.	2.0	1
21	Insights into Cisplatin Binding to Uracil and Thiouracils from IRMPD Spectroscopy and Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 946-960.	2.8	19
22	IRMPD Spectra of Protonated Hydroxybenzaldehydes: Evidence of Torsional Barriers in Carboxonium Ions. ChemPhysChem, 2020, 21, 749-761.	2.1	1
23	Structural Elucidation and Antimicrobial Characterization of Novel Diterpenoids from Fabiana densa var. ramulosa. ACS Medicinal Chemistry Letters, 2020, 11, 760-765.	2.8	14
24	Metabolic profiling of different wild and cultivated Allium species based on highâ€resolution mass spectrometry, highâ€performance liquid chromatographyâ€photodiode array detector, and color analysis. Journal of Mass Spectrometry, 2020, 55, e4525.	1.6	11
25	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. Journal of Biological Inorganic Chemistry, 2020, 25, 655-670.	2.6	22
26	IR ion spectroscopy in a combined approach with MS/MS and IM-MS to discriminate epimeric anthocyanin glycosides (cyanidin 3-O-glucoside and -galactoside). International Journal of Mass Spectrometry, 2019, 444, 116179.	1.5	22
27	The dramatic effect of N-methylimidazole on trans axial ligand binding to ferric heme: experiment and theory. Physical Chemistry Chemical Physics, 2019, 21, 1750-1760.	2.8	11
28	Vibrational signatures of curcuminâ€™s chelation in copper(II) complexes: An appraisal by IRMPD spectroscopy. Journal of Chemical Physics, 2019, 150, 165101.	3.0	8
29	Elusive Intermediates in the Breakdown Reactivity Patterns of Prodrug Platinum(IV) Complexes. Journal of the American Society for Mass Spectrometry, 2019, 30, 1881-1894.	2.8	8
30	<scp>l</scp>-Cysteine Modified by S-Sulfation: Consequence on Fragmentation Processes Elucidated by Tandem Mass Spectrometry and Chemical Dynamics Simulations. Journal of Physical Chemistry A, 2019, 123, 3685-3696.	2.5	20
31	An integrated approach to study novel properties of a MALDI matrix (4-maleicanhydridoproton) Tj ETQq1 1 0.784314 rgBT /Overlock	3.7	18
32	Satureja montana L. essential oil and its antimicrobial activity alone or in combination with gentamicin. Microbial Pathogenesis, 2019, 126, 323-331.	2.9	45
33	Short-lived intermediates (encounter complexes) in cisplatin ligand exchange elucidated by infrared ion spectroscopy. International Journal of Mass Spectrometry, 2019, 435, 7-17.	1.5	20
34	Hydrogen Atom vs. Hydride Transfer in Cytochrome P450 Oxidations: A Combined Mass Spectrometry and Computational Study. European Journal of Inorganic Chemistry, 2018, 2018, 1854-1865.	2.0	7
35	A multi-methodological approach in the study of Italian PDO â€œCornetto di Pontecorvoâ€red sweet pepper. Food Chemistry, 2018, 255, 120-131.	8.2	38
36	Complexation of halide ions to tyrosine: role of non-covalent interactions evidenced by IRMPD spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 4429-4441.	2.8	16

#	Article	IF	Citations
37	Photoionization mass spectrometry of Ï‰-phenylalkylamines: Role of radical cation-Ï€ interaction. Journal of Chemical Physics, 2018, 148, 164307.	3.0	3
38	One-Electron Oxidation of Methionine-Containing Dipeptides of Reverse Sequence: Sulfur versus Sulfoxide Characterized by IRMPD Spectroscopy and Static and Dynamics DFT Simulations. Journal of Physical Chemistry B, 2017, 121, 2083-2094.	2.6	10
39	Identification of a novel chalcone derivative that inhibits Notch signaling in T-cell acute lymphoblastic leukemia. Scientific Reports, 2017, 7, 2213.	3.3	42
40	Hydrolysis of cis- and transplatin: structure and reactivity of the aqua complexes in a solvent free environment. RSC Advances, 2017, 7, 15877-15884.	3.6	34
41	Cisplatin Primary Complex with <scp>l</scp>â€Histidine Target Revealed by IR Multiple Photon Dissociation (IRMPD) Spectroscopy. ChemPhysChem, 2017, 18, 318-325.	2.1	33
42	Cisplatin and transplatin interaction with methionine: bonding motifs assayed by vibrational spectroscopy in the isolated ionic complexes. Physical Chemistry Chemical Physics, 2017, 19, 26697-26707.	2.8	26
43	Undervalued N3 Coordination Revealed in the Cisplatin Complex with 2â€²-Deoxyadenosine-5â€²-monophosphate by a Combined IRMPD and Theoretical Study. Inorganic Chemistry, 2017, 56, 8793-8801.	4.0	17
44	Dioxygen Binding to Protonated Heme in the Gas Phase, an Intermediate Between Ferric and Ferrous Heme. Chemistry - A European Journal, 2017, 23, 13493-13500.	3.3	9
45	Structure and dynamics of gas phase ions: Interplay between experiments and computations in IRMPD spectroscopy. AIP Conference Proceedings, 2017, , .	0.4	1
46	Reactivity of contact ion pairs in a charged monotopic receptor. International Journal of Mass Spectrometry, 2017, 418, 198-203.	1.5	2
47	Vibrational signatures of gaseous Meisenheimer complexes bonded at carbon and nitrogen. International Journal of Mass Spectrometry, 2017, 418, 173-179.	1.5	1
48	Cisplatin Binding to Biological Ligands Revealed at the Encounter Complex Level by IR Action Spectroscopy. Chemistry - A European Journal, 2016, 22, 3794-3803.	3.3	33
49	A Systematic Account on Aromatic Hydroxylation by a Cytochrome P450 Model Compound I: A Lowâ€Pressure Mass Spectrometry and Computational Study. Chemistry - A European Journal, 2016, 22, 18608-18619.	3.3	74
50	Amino Acid Oxidation: A Combined Study of Cysteine Oxo Forms by IRMPD Spectroscopy and Simulations. Chemistry - A European Journal, 2016, 22, 17239-17250.	3.3	19
51	Effects of Aromatic Fluorine Substitution on Protonated Neurotransmitters: The Case of 2â€Phenylethylamine. Chemistry - A European Journal, 2016, 22, 8124-8136.	3.3	13
52	IRMPD signature of protonated pantothenic acid, an ubiquitous nutrient. Chemical Physics Letters, 2016, 646, 162-167.	2.6	4
53	Contact Ion Pairs on a Protonated Azamacrocycle: the Role of the Anion Basicity. Journal of the American Society for Mass Spectrometry, 2016, 27, 615-621.	2.8	3
54	A comprehensive test set of epoxidation rate constants for iron(<scp>iv</scp>)â€“oxo porphyrin cation radical complexes. Chemical Science, 2015, 6, 1516-1529.	7.4	96

#	Article	IF	Citations
55	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. Journal of Physical Chemistry B, 2015, 119, 1919-1929.	2.6	5
56	Nitrosylâ€“heme and anionâ€“arene complexes: structure, reactivity and spectroscopy. Pure and Applied Chemistry, 2015, 87, 379-390.	1.9	2
57	IR spectrum of the protonated neurotransmitter 2-phenylethylamine: dispersion and anharmonicity of the NH₃⁺â€“Î€ interaction. Physical Chemistry Chemical Physics, 2015, 17, 25742-25754.	2.8	34
58	Serine O-sulfation probed by IRMPD spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 25891-25904.	2.8	32
59	Protonated Hexaazamacrocycles as Selective K⁺ Receptors. Journal of the American Society for Mass Spectrometry, 2015, 26, 1186-1190.	2.8	4
60	Interaction of Cisplatin with 5â€²-dGMP: A Combined IRMPD and Theoretical Study. Inorganic Chemistry, 2015, 54, 3513-3522.	4.0	37
61	Binding of azole drugs to heme: A combined MS/MS and computational approach. Polyhedron, 2015, 90, 245-251.	2.2	7
62	Elusive Sulfurous Acid: Gas-Phase Basicity and IR Signature of the Protonated Species. Journal of Physical Chemistry Letters, 2015, 6, 1605-1610.	4.6	17
63	Intrinsic Properties of Nitric Oxide Binding to Ferrous and Ferric Hemes. Croatica Chemica Acta, 2014, 87, 307-314.	0.4	8
64	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. Rapid Communications in Mass Spectrometry, 2014, 28, 1107-1116.	1.5	2
65	Kinetic control in the CID-induced elimination of H₃PO₄ from phosphorylated serine probed using IRMPD spectroscopy. Chemical Communications, 2014, 50, 3845-3848.	4.1	30
66	Vibrational Signatures of S-Nitrosoglutathione as Gaseous, Protonated Species. Journal of Physical Chemistry B, 2014, 118, 12371-12382.	2.6	20
67	Mass spectrometric analysis of selected radiolyzed amino acids in an astrochemical context. Journal of Radioanalytical and Nuclear Chemistry, 2014, 300, 1061-1073.	1.5	8
68	Cationâ^Ï€ Interactions in Protonated Phenylalkylamines. Journal of Physical Chemistry A, 2014, 118, 7130-7138.	2.5	42
69	Unexpected Behavior of Diastereomeric Ions in the GasPhase: A Stimulus for Pondering on ee Measurements by ESI-MS. Journal of the American Society for Mass Spectrometry, 2013, 24, 573-578.	2.8	7
70	Halide adducts of 1,3,5-trinitrobenzene: Vibrational signatures and role of anionâ€“Ï€ interactions. International Journal of Mass Spectrometry, 2013, 354-355, 62-69.	1.5	10
71	Vibrational Signatures of the Naked Aqua Complexes from Platinum(II) Anticancer Drugs. Journal of Physical Chemistry Letters, 2013, 4, 3631-3635.	4.6	39
72	Communication: Infrared spectroscopy of protonated allyl-trimethylsilane: Evidence for the Î²-silyl effect. Journal of Chemical Physics, 2013, 139, 071102.	3.0	6

#	Article	IF	Citations
73	Infrared spectroscopy of nucleotides in the gas phase 2. The protonated cyclic 3â€²,5â€²-adenosine monophosphate. RSC Advances, 2013, 3, 12711.	3.6	25
74	Interaction of Cisplatin with Adenine and Guanine: A Combined IRMPD, MS/MS, and Theoretical Study. Journal of the American Chemical Society, 2013, 135, 1445-1455.	13.7	64
75	N-nitrosation of N-acetyltryptophan probed by IR spectroscopy of the gaseous anion. Chemical Physics Letters, 2013, 588, 215-219.	2.6	5
76	Isomeric C5H11Si+ ions from the trimethylsilylation of acetylene: An experimental and theoretical study. International Journal of Mass Spectrometry, 2013, 334, 58-66.	1.5	8
77	Multifunctional Macrocyclic Receptors as Templates for Aromatic Amino Acids: A Rare Example of a Highly Selective Multiâ€Input Multiâ€Output Chemoâ€â€œLogic Gateâ€• ChemPlusChem, 2013, 78, 979-987.	2.8	6
78	IR Signature of NO Binding to a Ferrous Heme Center. Journal of Physical Chemistry Letters, 2013, 4, 2414-2417.	4.6	24
79	Cyanideâ€“Arene Meisenheimer Complex Generated in Electrospray Ionization Mass Spectrometry Using Acetonitrile as a Solvent. Journal of the American Society for Mass Spectrometry, 2013, 24, 1603-1607.	2.8	13
80	Tandem Mass Spectrometry of Nitric Oxide and Hydrogen Sulfide Releasing Aspirins: A Hint into Activity Behavior. Mass Spectrometry, 2013, 2, A0017-A0017.	0.6	2
81	Communication: Vibrational study of a benzyl carbanion: Deprotonated 2,4-dinitrotoluene. Journal of Chemical Physics, 2012, 137, 181101.	3.0	9
82	S-nitrosation of cysteine as evidenced by IRMPD spectroscopy. International Journal of Mass Spectrometry, 2012, 330-332, 160-167.	1.5	31
83	Enantioselective Supramolecular Carriers for Nucleoside Drugs. A Thermodynamic and Kinetic Gas Phase Investigation. Journal of the American Society for Mass Spectrometry, 2012, 23, 1778-1785.	2.8	2
84	Discrimination of 4-Hydroxyproline Diastereomers by Vibrational Spectroscopy of the Gaseous Protonated Species. Journal of Physical Chemistry B, 2012, 116, 8771-8779.	2.6	41
85	Benzylium versus Tropylium Ion Dichotomy: Vibrational Spectroscopy of Gaseous C₈H₉⁺ Ions. Angewandte Chemie - International Edition, 2012, 51, 4947-4949.	13.8	38
86	Jahnâ€“Teller Distortion of Hydrocarbon Cations Probed by Infrared Photodissociation Spectroscopy. Angewandte Chemie - International Edition, 2012, 51, 7373-7375.	13.8	9
87	IR spectroscopy of gaseous fluorocarbon ions: The perfluoroethyl anion. Chemical Physics, 2012, 398, 118-123.	1.9	9
88	Naked Five-Coordinate FeIII(NO) Porphyrin Complexes: Vibrational and Reactivity Features. Inorganic Chemistry, 2011, 50, 4445-4452.	4.0	47
89	Tyrosine nitration as evidenced by IRMPD spectroscopy. International Journal of Mass Spectrometry, 2011, 308, 209-216.	1.5	21
90	A neutralizationâ€“reionization and reactivity mass spectrometry study of the generation of neutral hydroxymethylene. Journal of Mass Spectrometry, 2011, 46, 546-552.	1.6	1

#	Article	IF	Citations
91	Biomimetic Oxidation Reactions of a Naked Manganese(V)â€“Oxo Porphyrin Complex. Chemistry - A European Journal, 2011, 17, 12092-12100.	3.3	19
92	Probing Bare High-Valent Transition Oxoâ€“Metal Complexes: An Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Study of Reactive Intermediates. European Journal of Mass Spectrometry, 2010, 16, 407-414.	1.0	5
93	Protonated Sulfuric Acid: Vibrational Signatures of the Naked Ion in the Near- and Mid-IR. Journal of Physical Chemistry Letters, 2010, 1, 1721-1724.	4.6	12
94	Probing â€˜Spin-Forbiddenâ€™ Oxygen-Atom Transfer: Gas-Phase Reactions of Chromiumâˆ’Porphyrin Complexes. Journal of the American Chemical Society, 2010, 132, 4336-4343.	13.7	20
95	Cysteine radical cation: A distonic structure probed by gas phase IR spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 9794.	2.8	55
96	IRMPD spectroscopy of protonated S-nitrosocaptopril, a biologically active, synthetic amino acid. Physical Chemistry Chemical Physics, 2010, 12, 13455.	2.8	20
97	Molecular Complexes of Simple Anions with Electronâ€Deficient Arenes: Spectroscopic Evidence for Two Types of Structural Motifs for Anionâ€“Arene Interactions. Chemistry - A European Journal, 2009, 15, 8185-8195.	3.3	44
98	Oxygenâ€Atom Transfer by a Naked Manganese(V)â€“Oxoâ€“Porphyrin Complex Reveals Axial Ligand Effect. Chemistry - A European Journal, 2009, 15, 7863-7866.	3.3	50
99	Midâ€IR Spectroscopy and Structural Features of Protonated Carbonic Acid in the Gas Phase. ChemPhysChem, 2009, 10, 520-522.	2.1	10
100	Direct Probe of NO Vibration in the Naked Ferric Heme Nitrosyl Complex. ChemPhysChem, 2008, 9, 826-828.	2.1	33
101	Infrared spectroscopy of isolated nucleotides. 1. The cyclic 3â€²,5â€²-adenosine monophosphate anion. International Journal of Mass Spectrometry, 2008, 270, 111-117.	1.5	43
102	Site-selectivity of protonation in gaseous toluene. Physical Chemistry Chemical Physics, 2008, 10, 5507.	2.8	6
103	Probing the Compound I-like Reactivity of a Bare High-Valent Oxo Iron Porphyrin Complex:â€‰ The Oxidation of Tertiary Amines. Journal of the American Chemical Society, 2008, 130, 3208-3217.	13.7	84
104	Unravelling the Intrinsic Features of NO Binding to Iron(II)- and Iron(III)-Hemes. Inorganic Chemistry, 2008, 47, 7792-7801.	4.0	36
105	Compound I of Naked Heme (Iron Protoporphyrin IX). Inorganic Chemistry, 2007, 46, 9018-9020.	4.0	20
106	Protonated Heme. Chemistry - A European Journal, 2007, 13, 776-785.	3.3	24
107	Meisenheimer Complexes Positively Characterized as Stable Intermediates in the Gas Phase. Angewandte Chemie - International Edition, 2007, 46, 1995-1998.	13.8	68
108	Protonation of heterocyclic aromatic molecules: IR signature of the protonation site of furan and pyrrole. International Journal of Mass Spectrometry, 2007, 267, 43-53.	1.5	43

#	Article	IF	Citations
109	IR Spectroscopic Features of Gaseous C7H7O+Ions:Â Benzylium versus Tropylium Ion Structures. Journal of Physical Chemistry A, 2006, 110, 9352-9360.	2.5	50
110	IR spectroscopy of protonated toluene: Probing ring hydrogen shifts in gaseous arenium ions. International Journal of Mass Spectrometry, 2006, 249-250, 149-154.	1.5	49
111	Heme-peptide/protein ions and phosphorous ligands: search for site-specific addition reactions. Journal of Biological Inorganic Chemistry, 2006, 12, 22-35.	2.6	9
112	Ï€-Complex Structure of Gaseous Benzeneâ‹¯NO Cations Assayed by IR Multiple Photon Dissociation Spectroscopy. Journal of the American Chemical Society, 2006, 128, 12553-12561.	13.7	55
113	Binding of gaseous Fe(III)-heme cation to model biological molecules: Direct association and ligand transfer reactions. Journal of the American Society for Mass Spectrometry, 2005, 16, 589-598.	2.8	40
114	Infrared Spectroscopy of Protonated Phenylsilane in the Gas Phase. ChemPhysChem, 2005, 6, 437-440.	2.1	32
115	Chemistry of Protonated Species in Gaseous Environments. ChemInform, 2005, 36, no.	0.0	0
116	What Ion Is Generated When Ionizing Acetonitrile?. Journal of Physical Chemistry A, 2005, 109, 4425-4427.	2.5	13
117	Protonation Sites of Isolated Fluorobenzene Revealed by IR Spectroscopy in the Fingerprint Range. Journal of Physical Chemistry A, 2005, 109, 7881-7887.	2.5	57
118	Probing the Cytochrome P450-like Reactivity of High-Valent Oxo Iron Intermediates in the Gas Phase. Inorganic Chemistry, 2005, 44, 5379-5387.	4.0	23
119	Cationâ€“Ï€ interactions in gaseous Ï‰-phenylalkyloxonium ions. International Journal of Mass Spectrometry, 2004, 235, 145-154.	1.5	9
120	Chemistry of protonated species in gaseous environments. Journal of Physical Organic Chemistry, 2004, 17, 957-966.	1.9	9
121	Infrared Absorption Features of Gaseous Isopropyl Carbocations. ChemPhysChem, 2004, 5, 1679-1685.	2.1	21
122	Fourier transform ion cyclotron resonance study of the gas-phase basicity ofN-nitrosodimethylamine. Journal of Mass Spectrometry, 2004, 39, 1379-1381.	1.6	3
123	Gas-Phase Protonation of Benzocycloalkenes. European Journal of Mass Spectrometry, 2004, 10, 881-887.	1.0	4
124	Gas-phase hydrogen/deuterium exchange of adenine nucleotides. Journal of Mass Spectrometry, 2003, 38, 854-861.	1.6	24
125	Infrared Fingerprint of Protonated Benzene in the Gas Phase. Angewandte Chemie, 2003, 115, 2103-2105.	2.0	15
126	Infrared Fingerprint of Protonated Benzene in the Gas Phase. Angewandte Chemie - International Edition, 2003, 42, 2057-2059.	13.8	87

#	Article	IF	Citations
127	Cationâ^Ï€ Interactions in the Gas Phase Methylation of Î±,Ï‰-Diphenylalkanes. Journal of Physical Chemistry A, 2003, 107, 4619-4624.	2.5	10
128	The Deprotonation of Benzyl Alcohol Radical Cations: A Mechanistic Dichotomy in the Gas Phase as in Solution. Chemistry - A European Journal, 2002, 8, 532-537.	3.3	13
129	Gas-Phase Dioxygen Activation by Binuclear Manganese Clusters. Chemistry - A European Journal, 2002, 8, 2740.	3.3	38
130	The Protonation of Gaseous Cyclopropane. Chemistry - A European Journal, 2001, 7, 2916-2921.	3.3	17
131	Gas-Phase Reactivity of Organosilane Radical Cations. An FT-ICR Study. Organometallics, 2000, 19, 844-848.	2.3	12
132	A Gas-Phase Study of the Ionic Alkylation of Benzocycloalkenes. Journal of the American Chemical Society, 2000, 122, 5397-5398.	13.7	11
133	Gas-Phase Ion Chemistry of Borazine, an Inorganic Analogue of Benzene. Journal of the American Chemical Society, 1999, 121, 11204-11210.	13.7	63
134	Electrophilic Substitution of Gaseous Borazine. Journal of the American Chemical Society, 1999, 121, 2619-2620.	13.7	37
135	The Gas-Phase Reactivity ofp-Me3Si-Substituted 1,3-Diphenylpropane Towards Charged Electrophiles: Intra- and Interannular Hydrogen Migrations. Chemistry - A European Journal, 1998, 4, 993-999.	3.3	7
136	Determination of sulfonamide antibiotics by gas chromatography coupled with atomic emission detection. Biomedical Applications, 1998, 706, 269-277.	1.7	73
137	Gas-Phase H/D Exchange between Arenium Ions and Selected Bases. The Site of Protonation of Simple Aromatics. Journal of the American Chemical Society, 1998, 120, 10856-10862.	13.7	15
138	Gaseous Arenium Ions at Atmospheric Pressure:â€‰ Elementary Reactions and Internal Solvation Effects. Accounts of Chemical Research, 1998, 31, 827-834.	15.6	57
139	Radiolytic Silylation of Alkenes and Alkynes by Gaseous R3Si+Ions. Stereochemical Evidence for the Î²-Silyl Effect. Journal of the American Chemical Society, 1998, 120, 1523-1527.	13.7	22
140	Positive Ion Chemistry of Elemental Fluorine. Journal of the American Chemical Society, 1997, 119, 9499-9503.	13.7	23
141	Proton induced methyl group shifts in gaseous xylenium ions. Distinguishing isomers by gas-phase titration. International Journal of Mass Spectrometry and Ion Processes, 1997, 160, 167-181.	1.8	22
142	Gas phase alkylation of phenyltrimethylgermanes. Journal of Organometallic Chemistry, 1997, 545-546, 45-51.	1.8	3
143	Reactions of Bare and Ligated Chromium(I) Ions with Gaseous Arenes. Role of a â€œSpectatorâ€•Aromatic Ring in Chelate Complex Formation. Organometallics, 1996, 15, 5695-5700.	2.3	7
144	Structure and Reactivity of Protonated Î±,Î±,Î±-Trifluorotoluene in the Gas Phase. A Combined FT-ICR, Radiolytic, and ab Initio MO Study. The Journal of Physical Chemistry, 1996, 100, 19859-19863.	2.9	8

#	Article	IF	Citations
145	BrÃ¸nsted-Acid Behavior of C6(H,D)7+Benzenium Ions. A Combined Approach by Radiolytic, FA-SIFT, and FT-ICR Methodologies. The Journal of Physical Chemistry, 1996, 100, 16201-16208.	2.9	23
146	[AreneÂ·Me3C+] non-covalent complexes in the gas-phase (trifluoro)methylation of tert-butyl-substituted diphenylalkanes. International Journal of Mass Spectrometry and Ion Processes, 1995, 148, 215-228.	1.8	12
147	Internal Solvation Effects on the Reactivity of .alpha.,.omega.-Diphenylalkanes toward Me3C+ Ions. The Journal of Physical Chemistry, 1995, 99, 3144-3149.	2.9	18
148	Gas-Phase Protonation of .alpha.,.omega.-Diphenylalkanes. The Journal of Physical Chemistry, 1995, 99, 3150-3155.	2.9	18
149	Aromatic Silylation of (Trimethylgermyl)benzene by Gaseous Me3Si+ Ions via Me3Ge+ Displacement. Organometallics, 1995, 14, 2624-2626.	2.3	12
150	Hydride ion transfer reactions in the gas phase. Pressure dependence of reaction efficiency as a criterion for the recognition of anchimeric assistance. Journal of the Chemical Society Chemical Communications, 1995, , 121.	2.0	7
151	Ion-Molecule Reactions in Gaseous CF4/CO Mixtures. Formation and Reactivity of CF3CO+ Ions. The Journal of Physical Chemistry, 1994, 98, 1641-1647.	2.9	11
152	Long-Livedipso-Silylatedp-Toluenium Ions: Evidence from a Kinetic Isotope Effect. Angewandte Chemie International Edition in English, 1994, 33, 1094-1096.	4.4	17
153	Langlebige ipsoâ€silylierte pâ€Tolylâ€Kationen â€“ Belege durch einen kinetischen Isotopeneffekt. Angewandte Chemie, 1994, 106, 1157-1159.	2.0	7
154	Ionic Lewis superacids in the gas phase. Part 5. Competing ligand displacements in the adducts between SiF3â^'x(OH)+x (x = 0â€“3) ions and H218O1. International Journal of Mass Spectrometry and Ion Processes, 1994, 130, 143-149.	1.8	5
155	Ionic Lewis superacids in the gas phase. Part 4. CF+3 initiated ion/molecule reaction patterns in the Î³-radiolysis of CF4/n-bases gaseous mixtures. International Journal of Mass Spectrometry and Ion Processes, 1994, 130, 207-222.	1.8	7
156	Gas phase reactivity of aromatic silanes. The reaction of Ph(CH2)xSiMe3(x = 0 or 1) with cationic electrophiles. Journal of Organometallic Chemistry, 1994, 465, 109-118.	1.8	5
157	Aromatic Alkylation by Gaseous Me3C+ Ions. Kinetic Role of Deprotonation of Intermediate Arenium Ions. Journal of the American Chemical Society, 1994, 116, 5873-5879.	13.7	14
158	Ionic Lewis superacids in the gas phase. Part 2. Reactions of gaseous CF+3 with oxygen bases. International Journal of Mass Spectrometry and Ion Processes, 1993, 127, 123-135.	1.8	20
159	Ionic Lewis superacids in the gas phase. Part 3. Reactions of gaseous CF+3 with nitrogen bases. International Journal of Mass Spectrometry and Ion Processes, 1993, 127, 137-146.	1.8	15
160	Interannular proton transfer in thermal arenium ions from the gas-phase alkylation of 1,2-diphenylethane. Journal of the American Chemical Society, 1993, 115, 1024-1031.	13.7	28
161	Role of the spectator ring in the gas-phase alkylation of 1,2-diphenylethane by (CH3)2X+ (X = F, Cl) and trifluoromethyl(1+) ions. The Journal of Physical Chemistry, 1993, 97, 6197-6202.	2.9	15
162	Proton shifts in gaseous arenium ions and their role in the gas-phase aromatic substitution by free Me3C+ and Me3Si+ [tert-butyl and trimethylsilyl] cations. Journal of the American Chemical Society, 1992, 114, 6776-6784.	13.7	76

#	Article	IF	Citations
163	Broensted versus Lewis acid reactivity of gaseous cations (ethyl, isopropyl, formyl) towards arenes. Journal of the American Chemical Society, 1992, 114, 2002-2009.	13.7	16
164	18F-labelling of thiophene and N-methylpyrrole. Journal of Labelled Compounds and Radiopharmaceuticals, 1990, 28, 1109-1112.	1.0	7
165	Gas-phase heteroaromatic substitution. 9. Silylation of simple five-membered heteroaromatic rings by trimethylsilyl cations. Journal of the American Chemical Society, 1990, 112, 6929-6935.	13.7	18
166	Gas-phase reactions of charged electrophiles with styrene and phenylacetylene. Journal of the American Chemical Society, 1989, 111, 6008-6014.	13.7	10
167	Cationic aromatic silylation in the gas phase. International Journal of Mass Spectrometry and Ion Processes, 1988, 84, 17-32.	1.8	35
168	IRMPD Spectroscopy of Bare Monodeprotonated Genistein, an Antioxidant Flavonoid. ACS Omega, 0, , .	3.5	2