M T Rodgers

List of Publications by Year
in descending order

142 papers	6,871 citations	50276 46 h-index	69250 77 g-index
142 all docs	142 docs citations	142 times ranked	2951 citing authors

#	Article	IF	Citations
1	Statistical modeling of collision-induced dissociation thresholds. Journal of Chemical Physics, 1997, 106, 4499-4508.	3.0	441
2	Noncovalent metal-ligand bond energies as studied by threshold collision-induced dissociation. Mass Spectrometry Reviews, 2000, 19, 215-247.	5.4	333
3	An Absolute Sodium Cation Affinity Scale:â€‰ Threshold Collision-Induced Dissociation Experiments and ab Initio Theory. Journal of Physical Chemistry A, 2000, 104, 2238-2247.	2.5	246
4	Statistical modeling of competitive threshold collision-induced dissociation. Journal of Chemical Physics, 1998, 109, 1787-1800.	3.0	236
5	Noncovalent Interactions of Nucleic Acid Bases (Uracil, Thymine, and Adenine) with Alkali Metal Ions. Threshold Collision-Induced Dissociation and Theoretical Studies. Journal of the American Chemical Society, 2000, 122, 8548-8558.	13.7	223
6	Cationâ˜Ï€ Interactions:Â Structures and Energetics of Complexation of Na+and K+with the Aromatic Amino Acids, Phenylalanine, Tyrosine, and Tryptophan. Journal of the American Chemical Society, 2004, 126, 14600-14610.	13.7	205
7	Collision-Induced Dissociation Measurements on Li+(H2O)n,n= 1â˜'6:Â The First Direct Measurement of the Li+â˜'OH2Bond Energy. Journal of Physical Chemistry A, 1997, 101, 1238-1249.	2.5	198
8	Specificity of Human Thymine DNA Glycosylase Depends onN-Glycosidic Bond Stability. Journal of the American Chemical Society, 2006, 128, 12510-12519.	13.7	149
9	Infrared Multiphoton Dissociation Spectroscopy of Cationized Serine:â€‰ Effects of Alkali-Metal Cation Size on Gas-Phase Conformation. Journal of Physical Chemistry A, 2008, 112, 2248-2257.	2.5	139
10	A Thermodynamic â€œVocabularyâ€•for Metal Ion Interactions in Biological Systems. Accounts of Chemical Research, 2004, 37, 989-998.	15.6	137
11	Cationic Noncovalent Interactions: Energetics and Periodic Trends. Chemical Reviews, 2016, 116, 5642-5687.	47.7	126
12	Low-energy collision-induced dissociation of deprotonated dinucleotides: determination of the energetically favored dissociation pathways and the relative acidities of the nucleic acid bases. International Journal of Mass Spectrometry and Ion Processes, 1994, 137, 121-149.	1.8	123
13	Infrared Multiphoton Dissociation Spectroscopy of Cationized Threonine:â€‰ Effects of Alkali-Metal Cation Size on Gas-Phase Conformation. Journal of Physical Chemistry A, 2008, 112, 2258-2267.	2.5	116
14	Periodic Trends in the Binding of Metal Ions to Pyridine Studied by Threshold Collision-Induced Dissociation and Density Functional Theory. Journal of the American Chemical Society, 2000, 122, 10969-10978.	13.7	112
15	Statistical Rate Theory and Kinetic Energy-Resolved Ion Chemistry: Theory and Applications. Journal of Physical Chemistry A, 2008, 112, 10071-10085.	2.5	110
16	Absolute Binding Energies of Lithium Ions to Short Chain Alcohols, CnH2n+2O,n= 1â˜'4, Determined by Threshold Collision-Induced Dissociation. Journal of Physical Chemistry A, 1997, 101, 2614-2625.	2.5	108
17	Substituent Effects in the Binding of Alkali Metal Ions to Pyridines, Studied by Threshold Collision-Induced Dissociation and ab Initio Theory: The Methylpyridinesâ€. Journal of Physical Chemistry A, 2001, 105, 2374-2383.	2.5	98
18	Sigma versus Pi Interactions in Alkali Metal Ion Binding to Azoles:Â Threshold Collision-Induced Dissociation and ab Initio Theory Studies. Journal of Physical Chemistry A, 2002, 106, 4277-4289.	2.5	98

#	Article	IF	Citations
19	Influence of d Orbital Occupation on the Binding of Metal Ions to Adenine. Journal of the American Chemical Society, 2002, 124, 2678-2691.	13.7	95
20	Absolute alkali metal ion binding affinities of several azines determined by threshold collision-induced dissociation and ab initio theory. International Journal of Mass Spectrometry, 2000, 195-196, 439-457.	1.5	82
21	Absolute alkali metal ion binding affinities of several azoles determined by threshold collision-induced dissociation. International Journal of Mass Spectrometry, 1999, 185-187, 359-380.	1.5	81
22	Influence of Substituents on Cationâ^'Ï€ Interactions. 1. Absolute Binding Energies of Alkali Metal Cationâ^'Toluene Complexes Determined by Threshold Collision-Induced Dissociation and Theoretical Studies. Journal of Physical Chemistry A, 2002, 106, 5529-5539.	2.5	80
23	The Influence of Substituents on Cationâ^'Ï€ Interactions. 4. Absolute Binding Energies of Alkali Metal Cationâ^'Phenol Complexes Determined by Threshold Collision-Induced Dissociation and Theoretical Studiesâ€,â€¡. Journal of Physical Chemistry A, 2002, 106, 9718-9728.	2.5	80
24	A critical evaluation of the experimental and theoretical determination of lithium cation affinities. International Journal of Mass Spectrometry, 2007, 267, 167-182.	1.5	80
25	Theoretical studies of the unimolecular and bimolecular tautomerization of cytosineElectronic supplementary information (ESI) available: tables of MP2(full)/6-31C* optimized geometries, rotational constants, and scaled vibrational frequencies for isolated monomers of the six low-energy tautomers of cytosine and corresponding transition states for unimolecular tautomerization; B3LYP/6-31C* optimized geometries, rotational constants, and scaled vibrational frequencies for six cytosine dimers and corresponding. Physical Chemistry Chemical Physics, 2004, 6, 2749	2.8	76
26	Absolute Binding Energies of Sodium Ions to Short Chain Alcohols, CnH2n+2O,n= 1â^'4, Determined by Threshold Collision-Induced Dissociation Experiments and Ab Initio Theory. Journal of Physical Chemistry A, 1999, 103, 4955-4963.	2.5	75
27	Cationâ^'Ï€ Interactions with a Model for the Side Chain of Tryptophan:Â Structures and Absolute Binding Energies of Alkali Metal Cationâ^'Indole Complexesâ€. Journal of Physical Chemistry A, 2005, 109, 11539-11550.	2.5	71
28	Infrared multiple photon dissociation spectroscopy of cationized cysteine: Effects of metal cation size on gas-phase conformation. International Journal of Mass Spectrometry, 2010, 297, 9-17.	1.5	71
29	Base-Pairing Energies of Proton-Bound Heterodimers of Cytosine and Modified Cytosines: Implications for the Stability of DNA i-Motif Conformations. Journal of the American Chemical Society, 2014, 136, 282-290.	13.7	69
30	Influence of substituents on cationâ€“Ï€ interactions. International Journal of Mass Spectrometry, 2003, 222, 431-450.	1.5	68
31	Guided ion beam studies of the reactions of Vn+ (n=2â€“17) with O2: Bond energies and dissociation pathways. Journal of Chemical Physics, 1998, 108, 9339-9350.	3.0	64
32	Influence of Halogenation on the Properties of Uracil and Its Noncovalent Interactions with Alkali Metal Ions. Threshold Collision-Induced Dissociation and Theoretical Studies. Journal of the American Chemical Society, 2004, 126, 16217-16226.	13.7	64
33	Structural and Energetic Effects in the Molecular Recognition of Protonated Peptidomimetic Bases by 18-Crown-6. Journal of the American Chemical Society, 2012, 134, 2313-2324.	13.7	63
34	Structural and Energetic Effects in the Molecular Recognition of Amino Acids by 18-Crown-6. Journal of the American Chemical Society, 2012, 134, 5863-5875.	13.7	61
35	Site-specific protonation directs low-energy dissociation pathways of dinucleotides in the gas phase. International Journal of Mass Spectrometry and Ion Processes, 1995, 148, 1-23.	1.8	60
36	Influence of Substituents on Cationâ^'Ï€ Interactions. 2. Absolute Binding Energies of Alkali Metal Cationâ^'Fluorobenzene Complexes Determined by Threshold Collision-Induced Dissociation and Theoretical Studies. Journal of Physical Chemistry A, 2002, 106, 9092-9103.	2.5	59

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37	Influence of substituents on cation-Ï€ interactions. 3.. International Journal of Mass Spectrometry, 2003, 227, 339-360.	1.5	58
38	Infrared Multiple Photon Dissociation Action Spectroscopy of Proton-Bound Dimers of Cytosine and Modified Cytosines: Effects of Modifications on Gas-Phase Conformations. Journal of Physical Chemistry B, 2013, 117, 14191-14201.	2.6	58
39	Solvation of Copper Ions by Acetonitrile. Structures and Sequential Binding Energies of Cu+(CH3CN)x,x= 1â^'5, from Collision-Induced Dissociation and Theoretical Studies. Journal of Physical Chemistry A, 2001, 105, 11351-11364.	2.5	56
40	Gas-Phase Conformations and Energetics of Protonated 2â€²-Deoxyadenosine and Adenosine: IRMPD Action Spectroscopy and Theoretical Studies. Journal of Physical Chemistry B, 2015, 119, 2795-2805.	2.6	56
41	Periodic Trends in the Binding of Metal Ions to Pyrimidine Studied by Threshold Collision-Induced Dissociation and Density Functional Theory. Journal of Physical Chemistry A, 2001, 105, 9883-9892.	2.5	53
42	Metal Cation Dependence of Interactions with Amino Acids: Bond Energies of Cs⁺ to Gly, Pro, Ser, Thr, and Cys. Journal of Physical Chemistry A, 2012, 116, 3989-3999.	2.5	51
43	Infrared Multiple Photon Dissociation Action Spectroscopy of Deprotonated DNA Mononucleotides: Gas-Phase Conformations and Energetics. Journal of Physical Chemistry A, 2013, 117, 1319-1335.	2.5	51
44	N3 and O2 Protonated Tautomeric Conformations of 2â€²-Deoxycytidine and Cytidine Coexist in the Gas Phase. Journal of Physical Chemistry B, 2015, 119, 5773-5784.	2.6	51
45	Cation-Ï€ interactions with a model for an extended Ï€ network. International Journal of Mass Spectrometry, 2003, 227, 1-20.	1.5	48
46	Influence of the d orbital occupation on the nature and strength of copper cationâ€“Ï€ interactions: threshold collision-induced dissociation and theoretical studies. Physical Chemistry Chemical Physics, 2007, 9, 5902.	2.8	48
47	Noncovalent Interactions of Cu+withN-Donor Ligands (Pyridine, 4,4-Dipyridyl, 2,2-Dipyridyl, and) Tj ETQq1 1 0.784314 rgBT /Overlock Chemistry A, 2007, 111, 3465-3479.	2.5	47
48	IRMPD Action Spectroscopy of Alkali Metal Cationâ€“Cytosine Complexes: Effects of Alkali Metal Cation Size on Gas Phase Conformation. Journal of the American Society for Mass Spectrometry, 2013, 24, 1523-1533.	2.8	47
49	Metal Cation Dependence of Interactions with Amino Acids: Bond Energies of Rb⁺ and Cs⁺ to Met, Phe, Tyr, and Trp. Journal of Physical Chemistry B, 2013, 117, 3771-3781.	2.6	46
50	Interaction of Cu⁺ with cytosine and formation of i-motif-like Câ€“M⁺â€“C complexes: alkali versus coinage metals. Physical Chemistry Chemical Physics, 2016, 18, 7269-7277.	2.8	46
51	Gas-Phase Conformations and Energetics of Protonated 2â€²-Deoxyguanosine and Guanosine: IRMPD Action Spectroscopy and Theoretical Studies. Journal of Physical Chemistry B, 2014, 118, 14774-14784.	2.6	45
52	Influence of s and d Orbital Occupation on the Binding of Metal Ions to Imidazole. Journal of Physical Chemistry A, 2004, 108, 6385-6396.	2.5	40
53	Diverse mixtures of 2,4-dihydroxy tautomers and O4 protonated conformers of uridine and 2â€²-deoxyuridine coexist in the gas phase. Physical Chemistry Chemical Physics, 2015, 17, 25978-25988.	2.8	40
54	Substituent Effects in the Binding of Alkali Metal Ions to Pyridines Studied by Threshold Collision-Induced Dissociation and ab Initio Theory:Â The Aminopyridines. Journal of Physical Chemistry A, 2001, 105, 8145-8153.	2.5	38

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55	Infrared multiple photon dissociation action spectroscopy of sodiated uracil and thiouracils: Effects of thioketo-substitution on gas-phase conformation. International Journal of Mass Spectrometry, 2011, 308, 191-202.	1.5	38
56	Influence of Thioketo Substitution on the Properties of Uracil and Its Noncovalent Interactions with Alkali Metal Ions:Â Threshold Collision-Induced Dissociation and Theoretical Studiesâ€. Journal of Physical Chemistry A, 2006, 110, 1455-1468.	2.5	37
57	Dipole Effects on Cationâ^Ï€ Interactions: Absolute Bond Dissociation Energies of Complexes of Alkali Metal Cations to N-methylaniline and N,N-dimethylaniline. Journal of Physical Chemistry A, 2008, 112, 7996-8008.	2.5	36
58	Infrared multiple photon dissociation action spectroscopy of protonated uracil and thiouracils: Effects of thioketo-substitution on gas-phase conformation. International Journal of Mass Spectrometry, 2010, 297, 139-151.	1.5	36
59	Evaluation of Hybrid Theoretical Approaches for Structural Determination of a Glycine-Linked Cisplatin Derivative via Infrared Multiple Photon Dissociation (IRMPD) Action Spectroscopy. Journal of Physical Chemistry A, 2015, 119, 10980-10987.	2.5	35
60	Infrared Multiple Photon Dissociation Action Spectroscopy of Deprotonated RNA Mononucleotides: Gas-Phase Conformations and Energetics. Journal of Physical Chemistry A, 2013, 117, 10634-10649.	2.5	34
61	N3 Protonation Induces Base Rotation of 2â€²-Deoxyadenosine-5â€²-monophosphate and Adenosine-5â€²-monophosphate. Journal of Physical Chemistry B, 2016, 120, 4616-4624.	2.6	34
62	Solvation of copper ions by imidazole: Structures and sequential binding energies of Cu+(imidazole)x, x = 1â€“4. Competition between ion solvation and hydrogen bonding. Physical Chemistry Chemical Physics, 2005, 7, 1014-1025.	2.8	32
63	Base-Pairing Energies of Proton-Bound Homodimers Determined by Guided Ion Beam Tandem Mass Spectrometry: Application to Cytosine and 5-Substituted Cytosines. Analytical Chemistry, 2013, 85, 11000-11006.	6.5	32
64	Influence of methylation on the properties of uracil and its noncovalent interactions with alkali metal ions. International Journal of Mass Spectrometry, 2005, 241, 225-242.	1.5	31
65	2,4-Dihydroxy and O2 Protonated Tautomers of dThd and Thd Coexist in the Gas Phase: Methylation Alters Protonation Preferences versus dUrd and Urd. Journal of the American Society for Mass Spectrometry, 2016, 27, 410-421.	2.8	31
66	Collision-Induced Dissociation and Theoretical Studies of Na+â^'Acetonitrile Complexes. Journal of Physical Chemistry A, 2001, 105, 11057-11068.	2.5	30
67	Solvation of copper ions by acetone. Structures and sequential binding energies of Cu+(acetone) x , x = 1â€“4 from collision-induced dissociation and theoretical studies. Journal of the American Society for Mass Spectrometry, 2002, 13, 453-468.	2.8	30
68	Protonation Preferentially Stabilizes Minor Tautomers of the Halouracils: IRMPD Action Spectroscopy and Theoretical Studies. Journal of the American Society for Mass Spectrometry, 2012, 23, 1469-1478.	2.8	30
69	Thermochemistry of Alkali Metal Cation Interactions with Histidine: Influence of the Side Chain. Journal of Physical Chemistry A, 2012, 116, 11823-11832.	2.5	29
70	Tautomerization in the formation and collision-induced dissociation of alkali metal cation-cytosine complexes. Physical Chemistry Chemical Physics, 2012, 14, 4517.	2.8	25
71	Base-Pairing Energies of Protonated Nucleobase Pairs and Proton Affinities of 1-Methylated Cytosines: Model Systems for the Effects of the Sugar Moiety on the Stability of DNA i-Motif Conformations. Journal of Physical Chemistry B, 2015, 119, 1857-1868.	2.6	25
72	O2 Protonation Controls Threshold Behavior for N-Glycosidic Bond Cleavage of Protonated Cytosine Nucleosides. Journal of Physical Chemistry B, 2016, 120, 4803-4811.	2.6	25

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73	A simple model for metal cation-phosphate interactions in nucleic acids in the gas phase: Alkali metal cations and trimethyl phosphate. Journal of the American Society for Mass Spectrometry, 2008, 19, 305-314.	2.8	24
74	Infrared Multiple Photon Dissociation Action Spectroscopy and Theoretical Studies of Diethyl Phosphate Complexes: Effects of Protonation and Sodium Cationization on Structure. Journal of the American Society for Mass Spectrometry, 2011, 22, 81-92.	2.8	24
75	Alkali metal cation interactions with 12-crown-4 in the gas phase: Revisited. International Journal of Mass Spectrometry, 2012, 330-332, 16-26.	1.5	24
76	Influence of Sodium Cationization versus Protonation on the Gas-Phase Conformations and Glycosidic Bond Stabilities of 2â€²-Deoxyadenosine and Adenosine. Journal of Physical Chemistry B, 2016, 120, 8892-8904.	2.6	24
77	Gas-Phase Conformations and N-Glycosidic Bond Stabilities of Sodium Cationized 2â€²-Deoxyguanosine and Guanosine: Sodium Cations Preferentially Bind to the Guanine Residue. Journal of Physical Chemistry B, 2017, 121, 4048-4060.	2.6	24
78	Inductive effects on cationâ€“Ï€ interactions: Structures and bond dissociation energies of alkali metal cationâ€“halobenzene complexes. International Journal of Mass Spectrometry, 2009, 283, 35-47.	1.5	23
79	Energy-Resolved Collision-Induced Dissociation Studies of 1,10-Phenanthroline Complexes of the Late First-Row Divalent Transition Metal Cations: Determination of the Third Sequential Binding Energies. Journal of Physical Chemistry A, 2013, 117, 4316-4330.	2.5	23
80	Alkali Metal Cation Interactions with 15-Crown-5 in the Gas Phase: Revisited. Journal of Physical Chemistry A, 2014, 118, 8088-8097.	2.5	23
81	On the mechanism of RNA phosphodiester backbone cleavage in the absence of solvent. Nucleic Acids Research, 2015, 43, 5171-5181.	14.5	23
82	Protonation induces base rotation of purine nucleotides pdGuo and pGuo. Physical Chemistry Chemical Physics, 2016, 18, 15081-15090.	2.8	23
83	Mechanisms and energetics for N-glycosidic bond cleavage of protonated adenine nucleosides: N3 protonation induces base rotation and enhances N-glycosidic bond stability. Physical Chemistry Chemical Physics, 2016, 18, 16021-16032.	2.8	23
84	Metal Cation Dependence of Interactions with Amino Acids: Bond Dissociation Energies of Rb⁺ and Cs⁺ to the Acidic Amino Acids and Their Amide Derivatives. Journal of Physical Chemistry B, 2014, 118, 4300-4314.	2.6	22
85	IRMPD Action Spectroscopy, ER-CID Experiments, and Theoretical Studies of Sodium Cationized Thymidine and 5-Methyluridine: Kinetic Trapping During the ESI Desolvation Process Preserves the Solution Structure of [Thd+Na]⁺. Journal of the American Society for Mass Spectrometry, 2017, 28, 2423-2437.	2.8	22
86	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. Physical Chemistry Chemical Physics, 2017, 19, 17637-17652.	2.8	20
87	Conformations and N-glycosidic bond stabilities of sodium cationized 2â€²-deoxycytidine and cytidine: Solution conformation of [Cyd + Na]+ is preserved upon ESI. International Journal of Mass Spectrometry, 2018, 429, 18-27.	1.5	20
88	Modified Quadrupole Ion Trap Mass Spectrometer for Infrared Ion Spectroscopy: Application to Protonated Thiated Uridines. Journal of the American Society for Mass Spectrometry, 2018, 29, 2125-2137.	2.8	20
89	Cation-Ï€ interactions with a Ï€-excessive nitrogen heterocycle: Structures and absolute binding energies of alkali metal cationâ€“pyrrole complexes. International Journal of Mass Spectrometry, 2007, 267, 233-247.	1.5	19
90	Bond Dissociation Energies and Equilibrium Structures of Cu⁺(MeOH)_x, x = 1â^'6, in the Gas Phase:â€‰ Competition between Solvation of the Metal Ion and Hydrogen-Bonding Interactions. Journal of Physical Chemistry A, 2008, 112, 388-401.	2.5	19

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91	Base-Pairing Energies of Protonated Nucleoside Base Pairs of dCyd and m⁵dCyd: Implications for the Stability of DNA i-Motif Conformations. Journal of the American Society for Mass Spectrometry, 2015, 26, 1394-1403.	2.8	19
92	Mechanisms and energetics for N-glycosidic bond cleavage of protonated 2â€²-deoxyguanosine and guanosine. Physical Chemistry Chemical Physics, 2016, 18, 2968-2980.	2.8	19
93	Alkali metal cation binding affinities of cytosine in the gas phase: revisited. Physical Chemistry Chemical Physics, 2014, 16, 16110.	2.8	18
94	Infrared multiple photon dissociation action spectroscopy of sodium cationized halouracils: Effects of sodium cationization and halogenation on gas-phase conformation. International Journal of Mass Spectrometry, 2015, 378, 76-85.	1.5	18
95	N3 and O2 Protonated Conformers of the Cytosine Mononucleotides Coexist in the Gas Phase. Journal of the American Society for Mass Spectrometry, 2017, 28, 1638-1646.	2.8	17
96	Site-specific lithium ion attachment directs low-energy dissociation pathways of dinucleotides in the gas phase. Application to nucleic acid sequencing by mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1997, 161, 193-216.	1.8	16
97	Modeling Metal Cation-Phosphate Interactions in Nucleic Acids: Activated Dissociation of Mg⁺, Al⁺, Cu⁺, and Zn⁺ Complexes of Triethyl Phosphate. Journal of the American Chemical Society, 2009, 131, 10918-10928.	13.7	16
98	Noncovalent Interactions of Zn⁺ with N-Donor Ligands (Pyridine, 4,4â€²-Dipyridyl,) Tj ETQq0 0 0 rgBT /Overlock 10 T Journal of Physical Chemistry A, 2012, 116, 1319-1332.	2.5	16
99	Influence of the d Orbital Occupation on the Structures and Sequential Binding Energies of Pyridine to the Late First-Row Divalent Transition Metal Cations: A DFT Study. Journal of Physical Chemistry A, 2014, 118, 8129-8140.	2.5	16
100	Thermodynamics and Mechanisms of Protonated Asparaginyl-Glycine Decomposition. Journal of Physical Chemistry B, 2016, 120, 6525-6545.	2.6	16
101	Structural and Energetic Effects of O2â€²-Ribose Methylation of Protonated Purine Nucleosides. Journal of Physical Chemistry B, 2018, 122, 9147-9160.	2.6	16
102	Sodium Cation Affinities of MALDI Matrices Determined by Guided Ion Beam Tandem Mass Spectrometry:Â Application to Benzoic Acid Derivativesâ€. Journal of Physical Chemistry A, 2006, 110, 1426-1437.	2.5	15
103	Modeling Metal Cationâ‹¯Phosphate Interactions in Nucleic Acids in the Gas Phase via Alkali Metal Cationâ‹¯Triethyl Phosphate Complexes. Journal of Physical Chemistry A, 2007, 111, 13521-13527.	2.5	15
104	Noncovalent Interactions of Ni⁺ with N-Donor Ligands (Pyridine, 4,4â€²-Dipyridyl,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 Journal of Physical Chemistry A, 2009, 113, 4534-4548.	2.5	15
105	Infrared Multiple Photon Dissociation Action Spectroscopy and Theoretical Studies of Triethyl Phosphate Complexes: Effects of Protonation and Sodium Cationization on Structure. Journal of the American Society for Mass Spectrometry, 2011, 22, 1862-71.	2.8	15
106	Structural and Energetic Effects in the Molecular Recognition of Acetylated Amino Acids by 18-Crown-6. Journal of the American Society for Mass Spectrometry, 2012, 23, 2020-2030.	2.8	15
107	Tautomerization lowers the activation barriers for N-glycosidic bond cleavage of protonated uridine and 2â€²-deoxyuridine. Physical Chemistry Chemical Physics, 2016, 18, 24451-24459.	2.8	15
108	Alkali metal cationâ€“cyclen complexes: Effects of alkali metal cation size on the structure and binding energy. International Journal of Mass Spectrometry, 2012, 330-332, 27-34.	1.5	14

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109	The intrinsic basicity of the phosphate backbone exceeds that of uracil and thymine residues: protonation of the phosphate moiety is preferred over the nucleobase for pdThd and pUrd. Physical Chemistry Chemical Physics, 2017, 19, 30351-30361.	2.8	14
110	Base-Pairing Energies of Proton-Bound Dimers and Proton Affinities of 1-Methyl-5-Halocytosines: Implications for the Effects of Halogenation on the Stability of the DNAi-Motif. Journal of the American Society for Mass Spectrometry, 2015, 26, 1469-1482.	2.8	13
111	Influence of 2â€²-fluoro modification on glycosidic bond stabilities and gas-phase ion structures of protonated pyrimidine nucleosides. Journal of Fluorine Chemistry, 2019, 219, 10-22.	1.7	13
112	Re-Evaluation of the Proton Affinity of 18-Crown-6 Using Competitive Threshold Collision-Induced Dissociation Techniques. Analytical Chemistry, 2012, 84, 7570-7577.	6.5	11
113	Alkali Metal Cationâ€“Hexacyclen Complexes: Effects of Alkali Metal Cation Size on the Structure and Binding Energy. Journal of Physical Chemistry A, 2014, 118, 5488-5500.	2.5	11
114	Experimental and Computational Study of the Group 1 Metal Cation Chelates with Lysine: Bond Dissociation Energies, Structures, and Structural Trends. Journal of Physical Chemistry B, 2019, 123, 1983-1997.	2.6	11
115	Probing the potential energy landscape for dissociation of protonated indole via threshold collision-induced dissociation and theoretical studies. International Journal of Mass Spectrometry, 2007, 265, 388-400.	1.5	10
116	Intrinsic affinities of alkali metal cations for diaza-18-crown-6: Effects of alkali metal cation size and donor atoms on the binding energies. International Journal of Mass Spectrometry, 2015, 377, 64-72.	1.5	10
117	Energyâ€Resolved Collisionâ€Induced Dissociation Studies of 2,2â€²â€Bipyridine Complexes of the Late Firstâ€Row Divalent Transitionâ€Metal Cations: Determination of the Thirdâ€Sequential Binding Energies. ChemPlusChem, 2013, 78, 1109-1123.	2.8	9
118	Infrared multiple photon dissociation action spectroscopy of protonated glycine, histidine, lysine, and arginine complexed with 18-crown-6 ether. Physical Chemistry Chemical Physics, 2019, 21, 12625-12639.	2.8	9
119	Influence of Linkage Stereochemistry and Protecting Groups on Glycosidic Bond Stability of Sodium Cationized Glycosyl Phosphates. Journal of the American Society for Mass Spectrometry, 2017, 28, 2602-2613.	2.8	8
120	Gas-Phase Binding Energies and Dissociation Dynamics of 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquid Clusters. Journal of Physical Chemistry A, 2020, 124, 10181-10198.	2.5	8
121	Influence of 5-Methylation and the 2â€²- and 3â€²-Hydroxy Substituents on the Base Pairing Energies of Protonated Cytidine Nucleoside Analogue Base Pairs: Implications for the Stabilities ofi-Motif Structures. Journal of Physical Chemistry A, 2021, 125, 5939-5955.	2.5	8
122	Influence of Transition Metal Cationization versus Sodium Cationization and Protonation on the Gas-Phase Tautomeric Conformations and Stability of Uracil: Application to [Ura+Cu]⁺ and [Ura+Ag]⁺. Journal of the American Society for Mass Spectrometry, 2017, 28, 2438-2453.	2.8	7
123	Protonated Asparaginyl-Alanine Decomposition: a TCID, SORI-CID, and Computational Analysis. Journal of the American Society for Mass Spectrometry, 2018, 29, 2341-2359.	2.8	7
124	Impact of the 2â€²- and 3â€²-Sugar Hydroxyl Moieties on Gas-Phase Nucleoside Structure. Journal of the American Society for Mass Spectrometry, 2019, 30, 832-845.	2.8	7
125	Gas-phase structures of protonated arabino nucleosides. International Journal of Mass Spectrometry, 2019, 438, 124-134.	1.5	7
126	Absolute Trends and Accurate and Precise Gas-Phase Binding Energies of 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquid Clusters from Combined Independent and Competitive TCID Measurements. Journal of Physical Chemistry A, 2020, 124, 10199-10215.	2.5	7

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127	Silver Cation Affinities of Monomeric Building Blocks of Polyethers and Polyphenols Determined by Guided Ion Beam Tandem Mass Spectrometry. Journal of Physical Chemistry A, 2013, 117, 8274-8284.	2.5	6
128	Relative glycosidic bond stabilities of naturally occurring methylguanosines: 7-methylation is intrinsically activating. European Journal of Mass Spectrometry, 2019, 25, 16-29.	1.0	6
129	Structural determination of arginine-linked cisplatin complexes via IRMPD action spectroscopy: arginine binds to platinum via NO^{â^'} binding mode. Physical Chemistry Chemical Physics, 2021, 23, 21959-21971.	2.8	6
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