Richard A O hair

List of Publications by Year in Descending Order

276 papers	8,296 citations	46 h-index	78 g-index
294 ext. papers	8,995 ext. citations	4.9 avg, IF	6.2 L-index

#	Paper	IF	Citations
276	Experimental and theoretical investigations into the mechanisms of haliranium ion–ligand exchange reactions with cyclic alkenes in the gas phase. *Physical Chemistry Chemical Physics*, **2021**, 23, 25572-25589	3.6	2
275	ORGANOMETALLIC GAS-PHASE ION CHEMISTRY AND CATALYSIS: INSIGHTS INTO THE USE OF METAL CATALYSTS TO PROMOTE SELECTIVITY IN THE REACTIONS OF CARBOXYLIC ACIDS AND THEIR DERIVATIVES. *Mass Spectrometry Reviews*, **2021**, 40, 782-810	11	4
274	Tetraorganylargentate(III) Complexes: Key Intermediates in Silver-Mediated Cross-Coupling Reactions. *Organometallics*, **2021**, 40, 2354-2363	3.8	3
273	Mechanism of Deoxygenation and Cracking of Fatty Acids by Gas-Phase Cationic Complexes of Ni, Pd, and Pt. *Reactions*, **2021**, 2, 102-114	1.5	
272	Dissecting Transmetalation Reactions at the Molecular Level: Role of the Coordinated Anion in Gas-Phase Models for the Transmetalation Step of the Hiyama Cross-Coupling Reaction. *Organometallics*, **2021**, 40, 1822-1829	3.8	2
271	Phenyl argentate aggregates [AgPh] (n = 2-8): Models for the self-assembly of atom-precise polynuclear organometallics. *Journal of Chemical Physics*, **2021**, 154, 224301	3.9	1
270	Dissecting transmetalation reactions at the molecular level: C-B versus F-B bond activation in phenyltrifluoroborate silver complexes. *Dalton Transactions*, **2021**, 50, 1496-1506	4.3	2
269	Modeling Metal-Catalyzed Polyethylene Depolymerization: [(Phen)Pd(X)]+ (X = H and CH3) Catalyze the Decomposition of Hexane into a Mixture of Alkenes via a Complex Reaction Network. *Organometallics*, **2021**, 40, 857-868	3.8	1
268	Examination of N,N-dimethylbenzylamine as a substrate for ruthenium-catalysed C-H (thio)amidation: A mass spectrometry and DFT directed study. *Journal of Organometallic Chemistry*, **2021**, 950, 121973	2.3	
267	Photo-control of bimolecular reactions: reactivity of the long-lived Rhodamine 6G triplet excited state with NO. *Physical Chemistry Chemical Physics*, **2021**, 23, 25038-25047	3.6	0
266	Identification of the Side Products That Diminish the Yields of the Monoamidated Product in Metal-Catalyzed C-H Amidation of 2-Phenylpyridine with Arylisocyanates. *Journal of Organic Chemistry*, **2020**, 85, 2680-2687	4.2	6
265	Photoexcited Pd(ii) auxiliaries enable light-induced control in C(sp)-H bond functionalisation. *Chemical Science*, **2020**, 11, 2455-2463	9.4	11
264	Palladium-Mediated CO2 Extrusion Followed by Insertion of Isocyanates for the Synthesis of Benzamides: Translating Fundamental Mechanistic Studies To Develop a Catalytic Protocol. *Organometallics*, **2020**, 39, 453-467	3.8	9
263	What are the Potential Sites of DNA Attack by N-Acetyl-p-benzoquinone Imine (NAPQI)?. *Australian Journal of Chemistry*, **2020**, 73, 180	1.2	1
262	Dissecting Transmetalation Reactions at the Molecular Level: Phenyl Transfer in Metal Borate Complexes. *Organometallics*, **2020**, 39, 25-33	3.8	7
261	Reaction of Distonic Aryl and Alkyl Radical Cations with Amines: The Role of Charge and Spin Revealed by Mass Spectrometry, Kinetic Studies, and DFT Calculations. *ChemPlusChem*, **2020**, 85, 195-206	2.8	1
260	A Two-Step Catalytic Cycle for the Acceptorless Dehydrogenation of Ethane by Group 10 Metal Complexes: Role of the Metal in Reactivity and Selectivity. *Organometallics*, **2020**, 39, 4027-4036	3.8	2

259	Gas-Phase Models for the Nickel- and Palladium-Catalyzed Deoxygenation of Fatty Acids. *ChemCatChem*, **2020**, 12, 5476-5485	5.2	3
258	Type IX Secretion System Cargo Proteins Are Glycosylated at the C Terminus with a Novel Linking Sugar of the Wbp/Vim Pathway. *MBio*, **2020**, 11,	7.8	12
257	Using electrospray ionization-tandem mass spectrometry to explore formation and gas-phase chemistry of silver nanoclusters generated from the reaction of silver salts with NaBH in the presence of bis(diphenylarsino)methane. *Journal of Mass Spectrometry*, **2020**, 56, e4590	2.2	0
256	Gas-phase studies of copper(I)-mediated CO extrusion followed by insertion of the heterocumulenes CS or phenylisocyanate. *Journal of Mass Spectrometry*, **2020**, 56, e4579	2.2	2
255	Structure of the ligated Ag60 nanoparticle [{Cl@Ag12}@Ag48(dppm)12] (where dppm=bis(diphenylphosphino)methane)□ *Chinese Journal of Chemical Physics*, **2019**, 32, 182-186	0.9	3
254	Silver: The Cultured and Versatile Element. *Australian Journal of Chemistry*, **2019**, 72, 923	1.2	3
253	Experimental and DFT Studies on the Identity Exchange Reactions between Phenyl Chalcogen Iranium Ions and Alkenes. *Journal of Physical Chemistry A*, **2019**, 123, 8200-8207	2.8	5
252	Desulfination versus decarboxylation as a means of generating three- and five-coordinate organopalladium complexes [(phen)nPd(C6H5)]+ (n□= 1 and 2) to study their fundamental bimolecular reactivity. *Journal of Organometallic Chemistry*, **2019**, 882, 42-49	2.3	4
251	Role of Ligand in the Selective Production of Hydrogen from Formic Acid Catalysed by the Mononuclear Cationic Zinc Complexes [(L)Zn(H)] (L=tpy, phen, and bpy). *Chemistry - A European Journal*, **2019**, 25, 9959-9966	4.8	8
250	Gas-Phase Synthesis and Reactivity of Ligated Group 10 Ions in the Formal +1 Oxidation State. *Journal of the American Society for Mass Spectrometry*, **2019**, 30, 1867-1880	3.5	4
249	Models Facilitating the Design of a New Metal-Organic Framework Catalyst for the Selective Decomposition of Formic Acid into Hydrogen and Carbon Dioxide. *ChemCatChem*, **2019**, 11, 2372-2372	5.2	
248	Models Facilitating the Design of a New Metal-Organic Framework Catalyst for the Selective Decomposition of Formic Acid into Hydrogen and Carbon Dioxide. *ChemCatChem*, **2019**, 11, 2443-2448	5.2	9
247	Gas-phase functionalized carbon-carbon coupling reactions catalyzed by Ni (II) complexes. *Journal of Mass Spectrometry*, **2019**, 54, 520-526	2.2	4
246	Gas-Phase Reactions of the Group 10 Organometallic Cations, [(phen)M(CH3)]+ with Acetone: Only Platinum Promotes a Catalytic Cycle via the Enolate [(phen)Pt(OC(CH2)CH3)]+. *Zeitschrift Fur Physikalische Chemie*, **2019**, 233, 845-864	3.1	5
245	Formation and reactions of the 1, 8-naphthyridine (napy) ligated geminally dimetallated phenyl complexes [(napy)Cu(Ph)], [(napy)Ag(Ph)] and [(napy)CuAg(Ph)]. *European Journal of Mass Spectrometry*, **2019**, 25, 30-43	1.1	1
244	Using high-resolution Twin-Ion Metabolite Extraction (HiTIME) mass spectrometry with stable isotope labelling to investigate the metabolism of valproic acid in□vivo. *International Journal of Mass Spectrometry*, **2019**, 444, 116187	1.9	2
243	Reactions of Thiiranium and Sulfonium Ions with Alkenes in the Gas Phase. *Journal of Organic Chemistry*, **2019**, 84, 10076-10087	4.2	4
242	Decomposition of protonated ronidazole studied by low-energy and high-energy collision-induced dissociation and density functional theory. *Journal of Chemical Physics*, **2019**, 151, 164306	3.9	1

241	Structural characterization and gas-phase studies of the [AgH(L)] nanocluster dication. *Nanoscale*, **2019**, 11, 22880-22889	7.7	12
240	Synthesis of Amidines by Palladium-Mediated CO2 Extrusion Followed by Insertion of Carbodiimides: Translating Mechanistic Studies to Develop a One-Pot Method. *Organometallics*, **2019**, 38, 424-435	3.8	11
239	Synthesis and X-Ray Crystallographic Characterisation of Frustum-Shaped Ligated [Cu H (DPPE)] and [Cu H (DPPA)] Nanoclusters and Studies on Their H Evolution Reactions. *Chemistry - A European Journal*, **2018**, 24, 2070-2074	4.8	30
238	C-F bond activation of trifluoroethanol and trifluoroacetic acid catalysed by the dimolybdate anion, [MoO(F)]. *European Journal of Mass Spectrometry*, **2018**, 24, 43-48	1.1	2
237	Unimolecular reactivity of organotrifluoroborate anions, RBF , and their alkali metal cluster ions, M(RBF) (M = Na, K; R = CH , CH CH , CH (CH) , CH (CH) , c-C H , C H , C H CH , CH CHCH , CH CH, C H CO). *Rapid Communications in Mass Spectrometry*, **2018**, 32, 1045-1052	2.2	2
236	Argentate(i) and (iii) complexes as intermediates in silver-mediated cross-coupling reactions. *Chemical Communications*, **2018**, 54, 5086-5089	5.8	13
235	Ligand-induced decarbonylation in diphosphine-ligated palladium acetates [CHCOPd((PR)CH)] (R = Me and Ph). *Chemical Communications*, **2018**, 54, 346-349	5.8	15
234	How to Translate the [LCu2(H)]+-Catalysed Selective Decomposition of Formic Acid into H2 and CO2 from the Gas Phase into a Zeolite.. *ChemCatChem*, **2018**, 10, 1173-1177	5.2	22
233	Regioselectivity of aryl radical attack onto isocyanates and isothiocyanates. *Organic and Biomolecular Chemistry*, **2018**, 16, 9011-9020	3.9	4
232	Mass Spectrometry and Gas-Phase Ion Chemistry of Hypervalent Halogen Compounds **2018**, 1-46		
231	Synthesis, structure, and condensed-phase reactivity of [Ag(□H)(□BH)L](BF) (L = bis(diphenylphosphino)amine) with CS. *Dalton Transactions*, **2018**, 47, 14713-14725	4.3	8
230	Non-Aqueous Microwave-Assisted Syntheses of Deca- and Hexa-Molybdovanadates. *Angewandte Chemie - International Edition*, **2017**, 56, 8568-8572	16.4	22
229	Hydroxyl Radicals via Collision-Induced Dissociation of Trimethylammonium Benzyl Alcohols. *Australian Journal of Chemistry*, **2017**, 70, 397	1.2	4
228	A one-pot route to thioamides discovered by gas-phase studies: palladium-mediated CO extrusion followed by insertion of isothiocyanates. *Chemical Communications*, **2017**, 53, 3854-3857	5.8	18
227	Selectivity Effects in Bimetallic Catalysis: Role of the Metal Sites in the Decomposition of Formic Acid into H2 and CO2 by the Coinage Metal Binuclear Complexes [dppmMM?(H)]+. *ChemCatChem*, **2017**, 9, 1298-1302	5.2	28
226	Gas-Phase Ion-Molecule Reactions of Copper Hydride Anions [CuH] and [CuH]. *Inorganic Chemistry*, **2017**, 56, 2387-2399	5.1	26
225	Nontargeted Identification of Reactive Metabolite Protein Adducts. *Analytical Chemistry*, **2017**, 89, 5748–5756	7.8	12
224	Gas-Phase Structural and Optical Properties of Homo- and Heterobimetallic Rhombic Dodecahedral Nanoclusters [Ag14□Cun(C?CtBu)12X]+(X = Cl and Br): Ion Mobility, VUV and UV Spectroscopy, and DFT Calculations. *Journal of Physical Chemistry C*, **2017**, 121, 10719-10727	3.8	17

223	Seleniranium Ions Undergo Ligand Exchange via an Associative Mechanism in the Gas Phase. *Journal of Organic Chemistry*, **2017**, 82, 6289-6297	4.2	8
222	Nichtwässrige mikrowellengestützte Synthesen von Deca- und Hexamolybdovanadaten. *Angewandte Chemie*, **2017**, 129, 8691-8695	3.6	5
221	Cluster transformation of [Cu(H)(BH)((PPh)NH)](BF) to [Cu(H)(SCH)((PPh)NH)](BF) via reaction with CS. X-ray structural characterisation and reactivity of cationic clusters explored by multistage mass spectrometry and computational studies. *Dalton Transactions*, **2017**, 46, 14995-15003	4.3	13
220	Partitioning the roles of CYP6G1 and gut microbes in the metabolism of the insecticide imidacloprid in Drosophila melanogaster. *Scientific Reports*, **2017**, 7, 11339	4.9	21
219	Recombinant expression and characterization of Lucilia cuprina CYP6G3: Activity and binding properties toward multiple pesticides. *Insect Biochemistry and Molecular Biology*, **2017**, 90, 14-22	4.5	8
218	Environmental Polymer Degradation: Using the Distonic Radical Ion Approach to Study the Gas-Phase Reactions of Model Polyester Radicals. *Journal of Physical Chemistry A*, **2017**, 121, 5290-5300	2.8	3
217	Watson-Crick Base Pair Radical Cation as a Model for Oxidative Damage in DNA. *Journal of Physical Chemistry Letters*, **2017**, 8, 3159-3165	6.4	15
216	Gas-Phase Intercluster Thiyl-Radical Induced C-H Bond Homolysis Selectively Forms Sugar C2-Radical Cations of Methyl D-Glucopyranoside: Isotopic Labeling Studies and Cleavage Reactions. *Journal of the American Society for Mass Spectrometry*, **2017**, 28, 1425-1431	3.5	
215	Substituent effects in the decarboxylation reactions of coordinated arylcarboxylates in dinuclear copper complexes, [(napy)Cu(OCCHX)]. *European Journal of Mass Spectrometry*, **2017**, 23, 351-358	1.1	5
214	Synthesis, Structural Characterization, and Gas-Phase Unimolecular Reactivity of Bis(diphenylphosphino)amino Copper Hydride Nanoclusters [Cu(X)(H)((PPh)NH)](BF), Where X = Cl and BH. *Inorganic Chemistry*, **2016**, 55, 9858-9868	5.1	30
213	Single-Photon, Double Photodetachment of Nickel Phthalocyanine Tetrasulfonic Acid 4- Anions. *Journal of Physical Chemistry Letters*, **2016**, 7, 2586-90	6.4	
212	Structure of olefin-imidacloprid and gas-phase fragmentation chemistry of its protonated form. *Organic and Biomolecular Chemistry*, **2016**, 14, 1715-26	3.9	6
211	Ligand-induced substrate steering and reshaping of [Ag2(H)](+) scaffold for selective CO2 extrusion from formic acid. *Nature Communications*, **2016**, 7, 11746	17.4	50
210	An unusual co-crystal [(dcpm)Ag(OCH)(NO)][(dcpm)Ag(NO)] and its connection to the selective decarboxylation of formic acid in the gas phase. *Dalton Transactions*, **2016**, 45, 19408-19415	4.3	11
209	Two Spin-State Reactivity in the Activation and Cleavage of CO2 by [ReO2](.). *Journal of Physical Chemistry Letters*, **2016**, 7, 1934-8	6.4	17
208	Role of Hydrogen Bonding on the Reactivity of Thiyl Radicals: A Mass Spectrometric and Computational Study Using the Distonic Radical Ion Approach. *Journal of Physical Chemistry A*, **2016**, 120, 8184-8189	2.8	9
207	Bis(dimethylphosphino)methane-ligated silver chloride, cyanide and hydride cluster cations: Synthesis and gas-phase unimolecular reactivity. *International Journal of Mass Spectrometry*, **2015**, 378, 86-94	1.9	10
206	Prying open a Reactive Site for Allylic Arylation by Phosphine-Ligated Geminally Diaurated Aryl Complexes. *Organometallics*, **2015**, 34, 3255-3263	3.8	9

205	Gas-phase VUV photoionisation and photofragmentation of the silver deuteride nanocluster [Ag10D8L6](2+) (L = bis(diphenylphosphino)methane). A joint experimental and theoretical study. *Physical Chemistry Chemical Physics*, **2015**, 17, 25772-7	3.6	24
204	Gas-phase structure and reactivity of the keto tautomer of the deoxyguanosine radical cation. *Physical Chemistry Chemical Physics*, **2015**, 17, 25837-44	3.6	12
203	Mass Spectrometry of Organogold Compounds **2015**, 1-50		
202	Copper mediated decyano decarboxylative coupling of cyanoacetate ligands: Pesci versus Lewis acid mechanism. *Dalton Transactions*, **2015**, 44, 9230-40	4.3	4
201	Decomposition of nitroimidazole ions: experiment and theory. *Physical Chemistry Chemical Physics*, **2015**, 17, 12598-607	3.6	24
200	High-resolution twin-ion metabolite extraction (HiTIME) mass spectrometry: nontargeted detection of unknown drug metabolites by isotope labeling, liquid chromatography mass spectrometry, and automated high-performance computing. *Analytical Chemistry*, **2015**, 87, 4104-9	7.8	19
199	What Are the Potential Sites of Protein Arylation by N-Acetyl-p-benzoquinone Imine (NAPQI)?. *Chemical Research in Toxicology*, **2015**, 28, 2224-33	4	20
198	Gas-Phase and Computational Study of Identical Nickel- and Palladium-Mediated Organic Transformations Where Mechanisms Proceeding via M(II) or M(IV) Oxidation States Are Determined by Ancillary Ligands. *Journal of the American Chemical Society*, **2015**, 137, 13588-93	16.4	6
197	Synthesis, structure and gas-phase reactivity of the mixed silver hydride borohydride nanocluster [Ag3(μ3-H)(μ3-BH4)L(Ph)3]BF4 (L(Ph) = bis(diphenylphosphino)methane). *Nanoscale*, **2015**, 7, 18129-37	7.7	25
196	Gas-phase reactions of the rhenium oxide anions, [ReOx]- (x = 2 - 4) with the neutral organic substrates methane, ethene, methanol and acetic acid. *European Journal of Mass Spectrometry*, **2015**, 21, 557-68	1.1	8
195	Radical Formation in the Gas-Phase Ozonolysis of Deprotonated Cysteine. *Angewandte Chemie*, **2015**, 127, 13139-13143	3.6	1
194	Radical Formation in the Gas-Phase Ozonolysis of Deprotonated Cysteine. *Angewandte Chemie - International Edition*, **2015**, 54, 12947-51	16.4	7
193	Gas-phase fragmentation of deprotonated tryptophan and its clusters [Trpn -H]- induced by different activation methods. *Rapid Communications in Mass Spectrometry*, **2015**, 29, 1395-402	2.2	5
192	Photoelectron Spectra and Electronic Structures of the Radiosensitizer Nimorazole and Related Compounds. *Journal of Physical Chemistry A*, **2015**, 119, 9986-95	2.8	14
191	Decarboxylation versus Acetonitrile Loss in Silver Acetate and Silver Propiolate Complexes, [RCO2Ag2(CH3CN)n]+ (where R = CH3 and CH3C?C; n = 1 and 2). *Australian Journal of Chemistry*, **2015**, 68, 1385	1.2	1
190	Dimethylcuprate-Mediated Transformation of Acetate to Dithioacetate. *Organometallics*, **2015**, 34, 488-493	3.8	4
189	Gas phase studies of the Pesci decarboxylation reaction: synthesis, structure, and unimolecular and bimolecular reactivity of organometallic ions. *Accounts of Chemical Research*, **2015**, 48, 329-40	24.3	82
188	Unraveling organocuprate complexity: fundamental insights into intrinsic group transfer selectivity in alkylation reactions. *Journal of Organic Chemistry*, **2014**, 79, 1320-34	4.2	19

187	Decarboxylative-coupling of allyl acetate catalyzed by group 10 organometallics, [(phen)M(CH3)]+. *Journal of Organic Chemistry*, **2014**, 79, 12056-69	4.2	20
186	Synthesis, structural characterization, and gas-phase unimolecular reactivity of the silver hydride nanocluster [Ag3((PPh2)2CH2)3(□-H)](BF4)2. *Inorganic Chemistry*, **2014**, 53, 7429-37	5.1	35
185	Direct versus Water-Mediated Protodecarboxylation of Acetic Acid Catalyzed by Group 10 Carboxylates, [(phen)M(O2CCH3)]+. *Organometallics*, **2014**, 33, 5185-5197	3.8	25
184	Mobile proton triggered radical fragmentation of nitroarginine containing peptides. *Journal of the American Society for Mass Spectrometry*, **2014**, 25, 427-38	3.5	6
183	Mass spectrometric and computational studies on the reaction of aromatic peroxyl radicals with phenylacetylene using the distonic radical ion approach. *Journal of Physical Chemistry A*, **2014**, 118, 3295-306	2.8	10
182	Dissecting the insect metabolic machinery using twin ion mass spectrometry: a single P450 enzyme metabolizing the insecticide imidacloprid in vivo. *Analytical Chemistry*, **2014**, 86, 3525-32	7.8	40
181	Formation and characterisation of the silver hydride nanocluster cation [Ag3H2((Ph2 P)2CH2)](+) and its release of hydrogen. *Chemistry - A European Journal*, **2014**, 20, 16626-33	4.8	19
180	Modular molecules: site-selective metal substitution, photoreduction, and chirality in polyoxometalate hybrids. *Chemistry - A European Journal*, **2014**, 20, 14102-11	4.8	26
179	Molecular Salt Effects in the Gas Phase: Tuning the Kinetic Basicity of [HCCLiCl]□and [HCCMgCl2]□ by LiCl and MgCl2. *Angewandte Chemie*, **2014**, 126, 11159-11163	3.6	2
178	Molecular salt effects in the gas phase: tuning the kinetic basicity of [HCCLiCl]? and [HCCMgCl]? by LiCl and MgCl□*Angewandte Chemie - International Edition*, **2014**, 53, 10979-83	16.4	10
177	Cobalt-Mediated Decarboxylative Homocoupling of Alkynyl Carboxylic Acids. *Australian Journal of Chemistry*, **2014**, 67, 701	1.2	12
176	The effective temperature of ions stored in a linear quadrupole ion trap mass spectrometer. *Journal of the American Society for Mass Spectrometry*, **2013**, 24, 811-5	3.5	81
175	UV photodissociation action spectroscopy of haloanilinium ions in a linear quadrupole ion trap mass spectrometer. *Journal of the American Society for Mass Spectrometry*, **2013**, 24, 932-40	3.5	30
174	Using distonic radical ions to probe the chemistry of key combustion intermediates: the case of the benzoxyl radical anion. *Journal of the American Society for Mass Spectrometry*, **2013**, 24, 493-501	3.5	4
173	Fixed-charge phosphine ligands to explore gas-phase coinage metal-mediated decarboxylation reactions. *Dalton Transactions*, **2013**, 42, 6440-9	4.3	26
172	Catalytic Decarboxylative Coupling of Allyl Acetate: Role of the Metal Centers in the Organometallic Cluster Cations [CH3Cu2]+, [CH3AgCu]+, and [CH3Ag2]+. *Organometallics*, **2013**, 32, 5416-5427	3.8	29
171	Interaction of cisplatin and analogue Pt(en)Cl2 with the copper metallo-chaperone Atox1. *Metallomics*, **2013**, 5, 946-54	4.5	14
170	Unleashing radical sites in non-covalent complexes: the case of the protonated S-nitrosocysteine/18-crown-6 complex. *Rapid Communications in Mass Spectrometry*, **2013**, 27, 2783-8	2.2	5

169	Halide-ion-templated Ag8Cu6 rhombic dodecahedrons: synthesis, structure and reactivity of [Ag8Cu6(C?CtBu)12X]BF4 (X = Cl, Br). *Dalton Transactions*, **2013**, 42, 4903-7	4.3	34
168	Gas-phase infrared spectrum and acidity of the radical cation of 9-methylguanine. *Chemical Communications*, **2013**, 49, 7343-5	5.8	25
167	sp-sp3 coupling reactions of alkynylsilver cations, RC?CAg2+ (R = Me and Ph) with allyliodide. *Dalton Transactions*, **2013**, 42, 9462-7	4.3	16
166	Synthesis, structural elucidation, and biochemical analysis of immunoactive glucuronosyl diacylglycerides of mycobacteria and corynebacteria. *Journal of Organic Chemistry*, **2013**, 78, 2175-90	4.2	21
165	Gas-Phase Formation and Fragmentation Reactions of the Organomagnesates [RMgX2]□ *Organometallics*, **2013**, 32, 2319-2328	3.8	29
164	Structure and reactivity of homocysteine radical cation in the gas phase studied by ion-molecule reactions and infrared multiple photon dissociation. *Journal of Physical Chemistry A*, **2013**, 117, 1144-50	2.8	18
163	Role of the Metal, Ligand, and Alkyl/Aryl Group in the Hydrolysis Reactions of Group 10 Organometallic Cations [(L)M(R)]+. *Organometallics*, **2013**, 32, 6931-6944	3.8	37
162	Gas-phase reactions of [VO2(OH)2]- and [V2O5(OH)]- with methanol: experiment and theory. *Journal of Physical Chemistry A*, **2013**, 117, 1124-35	2.8	24
161	Structure and Reactivity of the Glutathione Radical Cation: Radical Rearrangement from the Cysteine Sulfur to the Glutamic Acid □Carbon Atom. *ChemPlusChem*, **2013**, 78, 970-978	2.8	18
160	Reaction of aromatic peroxyl radicals with alkynes: a mass spectrometric and computational study using the distonic radical ion approach. *Chemistry - an Asian Journal*, **2013**, 8, 450-64	4.5	8
159	R□ktitelbild: Synthesis, Structure and Gas-Phase Reactivity of a Silver Hydride Complex [Ag3{(PPh2)2CH2}3(□-H)(□-Cl)]BF4 (Angew. Chem. 32/2013). *Angewandte Chemie*, **2013**, 125, 8632-8632	3.6	1
158	Synthesis, structure and gas-phase reactivity of a silver hydride complex [Ag3{(PPh2)2CH2}3(□-H)(□-Cl)]BF4. *Angewandte Chemie - International Edition*, **2013**, 52, 8391-4	16.4	41
157	Synthesis, Structure and Gas-Phase Reactivity of a Silver Hydride Complex [Ag3{(PPh2)2CH2}3(□-H)(□-Cl)]BF4. *Angewandte Chemie*, **2013**, 125, 8549-8552	3.6	5
156	MR1 presents microbial vitamin B metabolites to MAIT cells. *Nature*, **2012**, 491, 717-23	50.4	834
155	Who Wins: Pesci, Peters, or Deacon? Intrinsic Reactivity Orders for Organocuprate Formation via Ligand Decomposition. *Organometallics*, **2012**, 31, 1801-1807	3.8	43
154	Shapeshifting: ligation by 1,4-cyclohexadiene induces a structural change in Ag5(+). *Dalton Transactions*, **2012**, 41, 3185-93	4.3	6
153	Gas-phase reactivity of group 11 dimethylmetallates with allyl iodide. *Journal of the American Chemical Society*, **2012**, 134, 2569-80	16.4	44
152	Theoretical approaches to estimating homolytic bond dissociation energies of organocopper and organosilver compounds. *Journal of Physical Chemistry A*, **2012**, 116, 8910-7	2.8	13

151	Forming trifluoromethylmetallates: competition between decarboxylation and C-F bond activation of group 11 trifluoroacetate complexes, [CF3CO2ML]-. *Dalton Transactions*, **2012**, 41, 3395-406	4.3	40
150	Dimethylcuprate-Catalyzed Decarboxylative Coupling of Allyl Acetate. *Organometallics*, **2012**, 31, 8012-8023	3.8	27
149	Gold-Mediated C?I Bond Activation of Iodobenzene. *Angewandte Chemie*, **2012**, 124, 3878-3883	3.6	35
148	Gold-mediated C-I bond activation of iodobenzene. *Angewandte Chemie - International Edition*, **2012**, 51, 3812-7	16.4	85
147	S-to-C radical migration in the radical cations of Gly-Cys and Cys-Gly. *Journal of the American Society for Mass Spectrometry*, **2012**, 23, 1019-23	3.5	26
146	Copper(I)-catalyzed cycloaddition of silver acetylides and azides: incorporation of volatile acetylenes into the triazole core. *Organic and Biomolecular Chemistry*, **2011**, 9, 6082-8	3.9	45
145	Intercluster reactions show that (CH3)2S(+)CH2CO2H is a better methyl cation donor than (CH3)3N(+)CH2CO2H. *European Journal of Mass Spectrometry*, **2011**, 17, 159-66	1.1	7
144	Preference for bridging versus terminal ligands in magnesium dimers. *Journal of Molecular Modeling*, **2011**, 17, 1325-34	2	6
143	Structure and reactivity of the N-acetyl-cysteine radical cation and anion: does radical migration occur?. *Journal of the American Society for Mass Spectrometry*, **2011**, 22, 1794-803	3.5	37
142	Role of 2-oxo and 2-thioxo modifications on the fragmentation reactions of the histidine radical cation. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 251-61	2.2	1
141	Nitrogen adduction by three coordinate group 10 organometallic cations: platinum is favoured over nickel and palladium. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 2083-8	2.2	26
140	Post-translational modification in the gas phase: mechanism of cysteine S-nitrosylation via ion-molecule reactions. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 3216-22	2.2	5
139	C?H Bond Activation of Methanol and Ethanol by a High-Spin FeIVO Biomimetic Complex. *Angewandte Chemie*, **2011**, 123, 8529-8533	3.6	20
138	C-H bond activation of methanol and ethanol by a high-spin Fe(IV)O biomimetic complex. *Angewandte Chemie - International Edition*, **2011**, 50, 8379-83	16.4	81
137	Gas-phase ion-molecule reactions using regioselectively generated radical cations to model oxidative damage and probe radical sites in peptides. *Organic and Biomolecular Chemistry*, **2011**, 9, 3733-43	3.9	37
136	Structure and unimolecular chemistry of protonated sulfur betaines, (CH3)2S(+)(CH2)(n)CO2H (n = 1 and 2). *Organic and Biomolecular Chemistry*, **2011**, 9, 2751-9	3.9	3
135	Unimolecular chemistry of doubly protonated zwitterionic clusters. *Journal of Physical Chemistry A*, **2011**, 115, 4179-85	2.8	8
134	Modeling Solvation of Magnesium Centers by Ether Ligands: Gas-Phase Synthesis and Hydrolysis of the Organomagnesium Cations [CH3Mg(3X-crown-X)]+ (X = 4-6). *Organometallics*, **2011**, 30, 4297-4307	3.8	26

133	Formation of Methylmagnesium or Coordinated Ylide? Competition between Decarboxylation of Acetate and Betaine Ligands in [CH3CO2MgO2CCH2X(CH3)2]+(where X = NCH3and S). *Organometallics*, **2010**, 29, 1238-1245	3.8	19
132	Unimolecular Reactions of Organocuprates and Organoargentates. *Organometallics*, **2010**, 29, 2282-2291	3.8	59
131	Gas phase synthesis and reactivity of dimethylaurate. *Dalton Transactions*, **2010**, 39, 8655-62	4.3	33
130	Neighboring group stabilization by sigma-holes. *Journal of Molecular Modeling*, **2010**, 16, 559-65	2	17
129	Very low energy electrons transform the cyclobutane-pyrimidine dimer into a highly reactive intermediate. *ChemPhysChem*, **2010**, 11, 561-4	3.2	3
128	Gas Phase Ligand Fragmentation to Unmask Reactive Metallic Species **2010**, 199-227		10
127	Dimethylcuprate undergoes a dyotropic rearrangement. *Chemistry - A European Journal*, **2010**, 16, 2674-8	4.8	36
126	Mobile protons versus mobile radicals: gas-phase unimolecular chemistry of radical cations of cysteine-containing peptides. *Journal of the American Society for Mass Spectrometry*, **2010**, 21, 1296-312	3.5	46
125	Isomer differentiation via collision-induced dissociation: the case of protonated alpha-, beta2- and beta3-phenylalanines and their derivatives. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 1779-90	2.2	8
124	Role of 2-oxo and 2-thioxo modifications on the proton affinity of histidine and fragmentation reactions of protonated histidine. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 2591-604	2.2	9
123	Fragmentation of the tryptophan cluster [Trp9-2H]2- induced by different activation methods. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 3255-60	2.2	15
122	Aromatic residues in the C-terminal helix of human apoC-I mediate phospholipid interactions and particle morphology. *Journal of Lipid Research*, **2009**, 50, 1384-94	6.3	13
121	Gas-phase synthesis and reactivity of the lithium acetate enolate anion, -CH2CO2Li. *Angewandte Chemie - International Edition*, **2009**, 48, 2934-6	16.4	19
120	Interaction of cisplatin and analogues with a Met-rich protein site. *Journal of Biological Inorganic Chemistry*, **2009**, 14, 163-5	3.7	30
119	Gas-phase fragmentation of long-lived cysteine radical cations formed via NO loss from protonated S-nitrosocysteine. *Journal of the American Society for Mass Spectrometry*, **2009**, 20, 985-95	3.5	68
118	How does acetylcholine lose trimethylamine? A density functional theory study of four competing mechanisms. *Journal of the American Society for Mass Spectrometry*, **2009**, 20, 238-46	3.5	10
117	A Second Metal Center Enhances the Reactivity of an Organomagnesate: Comparison of the Gas-Phase Reactions of Water with [RCCMgCl2]⁻ and [RCCMg2Cl4]⁻ (R = H, Ph). *Organometallics*, **2009**, 28, 5002-5011	3.8	29
116	Gas-Phase Synthesis of Organoargenate Anions and Comparisons with Their Organocuprate Analogues. *Organometallics*, **2009**, 28, 2684-2692	3.8	48

115	C-C bond coupling between the organometallic cations CH3Ag2+, CH3Cu2+ and CH3AgCu+ and allyliodide. *Dalton Transactions*, **2009**, 2832-6	4.3	38
114	Competition between cluster fragmentation, C-C bond coupling and C-X bond activation in silver hexynyl cluster cations, [(C(4)H(9)CCAg)(n)Ag](+). Size does matter!. *Physical Chemistry Chemical Physics*, **2009**, 11, 4132-5	3.6	15
113	Formation of pyrimidine dimer radical anions in the gas phase. *Chemical Communications*, **2009**, 7291-3	5.8	2
112	Gas phase supramolecular cluster ions of deoxyguanosine induced by binding to (2,2':6',2''-terpyridine)-platinum(II) and (diethylenetriamine)-platinum(II). *Dalton Transactions*, **2009**, 1542-8	4.3	2
111	Gas phase fragmentation of eta2 coordinated aldehydes in [VO2(eta2-OCHR)]-: aldehyde structure dictates the nature of the products. *Dalton Transactions*, **2009**, 7374-80	4.3	0
110	Gas phase fragmentation of protonated betaine and its clusters. *Physical Chemistry Chemical Physics*, **2009**, 11, 8752-8	3.6	11
109	Endocyclic versus exocyclic mechanisms for methyl migration in protonated N,N-dimethylpropane-1,3-diamine. *European Journal of Mass Spectrometry*, **2009**, 15, 105-12	1.1	0
108	Gas phase synthesis, structure and unimolecular reactivity of silver iodide cluster cations, Ag(n)I(m)(+) (n = 2-5, 0 Dalton Transactions, **2008**, 2956-65	4.3	20
107	Experimental determination of the gas phase proton affinities of the conjugate base anions of 2-iodoxybenzoic acid (IBX) and 2-iodosobenzoic acid (IBA). *Organic and Biomolecular Chemistry*, **2008**, 6, 2530-3	3.9	10
106	Multiply protonated betaine clusters are stable in the gas phase. *Chemical Communications*, **2008**, 4942-4	5.8	31
105	Gas-phase synthesis of the homo and hetero organocuprate anions [MeCuMe]-, [EtCuEt]-, and [MeCuR]-. *Journal of the American Chemical Society*, **2008**, 130, 1069-79	16.4	69
104	Letter: intercluster chemistry of protonated and sodiated betaine dimers upon collision induced dissociation and electron induced dissociation. *European Journal of Mass Spectrometry*, **2008**, 14, 107-10	1.1	41
103	Electron capture dissociation of complexes of diacylglycerophosphocholine and divalent metal ions: competition between charge reduction and radical induced phospholipid fragmentation. *Journal of the American Society for Mass Spectrometry*, **2008**, 19, 978-86	3.5	26
102	LC-MS and GC-MS metabolite profiling of nickel(II) complexes in the latex of the nickel-hyperaccumulating tree Sebertia acuminata and identification of methylated aldaric acid as a new nickel(II) ligand. *Phytochemistry*, **2008**, 69, 240-51	4	41
101	Gas-phase peptide fragmentation: how understanding the fundamentals provides a springboard to developing new chemistry and novel proteomic tools. *Journal of Mass Spectrometry*, **2008**, 43, 1301-19	2.2	48
100	Gas-phase formation of the Gomberg-Bachmann magnesium ketyl. *Angewandte Chemie - International Edition*, **2008**, 47, 9118-21	16.4	37
99	Gas-phase ion/ion reactions of transition metal complex cations with multiply charged oligodeoxynucleotide anions. *Journal of the American Society for Mass Spectrometry*, **2008**, 19, 281-93	3.5	19
98	Can alpha- and beta-alanine containing peptides be distinguished based on the CID spectra of their protonated ions?. *Journal of the American Society for Mass Spectrometry*, **2008**, 19, 1743-54	3.5	4

97	Activation of the C-I and C-OH bonds of 2-iodoethanol by gas phase silver cluster cations yields subvalent silver-iodide and -hydroxide cluster cations. *Dalton Transactions*, **2007**, 3149-57	4.3	18
96	Energetics and dynamics of the fragmentation reactions of protonated peptides containing methionine sulfoxide or aspartic acid via energy- and time-resolved surface induced dissociation. *Journal of Physical Chemistry A*, **2007**, 111, 10580-8	2.8	23
95	Gas-phase reactivity of metavanadate [VO3]- towards methanol and ethanol: experiment and theory. *Chemistry - A European Journal*, **2007**, 13, 8818-29	4.8	34
94	Sixty years after wittig: gas-phase synthesis of lithium trimethylammonium methylide, [(CH3)3NCH2Li]+. *Angewandte Chemie - International Edition*, **2007**, 46, 7048-51	16.4	27
93	Size matters! Fragmentation chemistry of [Cu(L)n]2+ complexes of diacylglycerophosphocholines as a function of coordination number (n = 2-7). *Rapid Communications in Mass Spectrometry*, **2007**, 21, 757-63	2.2	8
92	Can metal ions be used as gas-phase disulfide bond cleavage reagents? A survey of coinage metal complexes of model peptides containing an intermolecular disulfide bond. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 2727-33	2.2	46
91	Relationships of nicotianamine and other amino acids with nickel, zinc and iron in Thlaspi hyperaccumulators. *New Phytologist*, **2007**, 176, 836-848	9.8	73
90	Comparison of collision-induced dissociation and electron-induced dissociation of singly protonated aromatic amino acids, cystine and related simple peptides using a hybrid linear ion trap-FT-ICR mass spectrometer. *Analytical and Bioanalytical Chemistry*, **2007**, 389, 1429-37	4.4	91
89	A novel salt bridge mechanism highlights the need for nonmobile proton conditions to promote disulfide bond cleavage in protonated peptides under low-energy collisional activation. *Journal of the American Society for Mass Spectrometry*, **2007**, 18, 1109-23	3.5	58
88	Letter: collision-induced dissociation of [metal(L)(2)](2+) complexes (metal = Cu, Ca and Mg) of 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine allows distinction of the acyl groups at the sn1 and sn2 positions. *European Journal of Mass Spectrometry*, **2007**, 13, 433-6	1.1	5
87	Letter: Silver mediated ester bond formation in the gas phase: substrate structure is important. *European Journal of Mass Spectrometry*, **2007**, 13, 367-72	1.1	5
86	Leishmania beta-1,2-mannan is assembled on a mannose-cyclic phosphate primer. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 9458-63	11.5	34
85	Mononuclear metavanadate catalyses gas phase oxidation of methanol to formaldehyde employing dioxygen as the terminal oxidant. *Chemical Communications*, **2006**, 4503-5	5.8	43
84	The 3D quadrupole ion trap mass spectrometer as a complete chemical laboratory for fundamental gas-phase studies of metal mediated chemistry. *Chemical Communications*, **2006**, 1469-81	5.8	219
83	Gas-phase synthesis and reactivity of binuclear gold hydride cations, (R3PAu)2H+ (R = Me and Ph). *Dalton Transactions*, **2006**, 3699-707	4.3	43
82	Metal-mediated formation of gas-phase amino acid radical cations. *Journal of Physical Chemistry A*, **2006**, 110, 8304-15	2.8	62
81	Selective disulfide bond cleavage in gold(I) cationized polypeptide ions formed via gas-phase ion/ion cation switching. *Journal of Proteome Research*, **2006**, 5, 2087-92	5.6	79
80	Gas-phase regiocontrolled generation of charged amino acid and peptide radicals. *Chemical Communications*, **2006**, 4233-5	5.8	51

79	Tuning the gas phase redox properties of copper(II) ternary complexes of terpyridines to control the formation of nucleobase radical cations. *Dalton Transactions*, **2006**, 5051-61	4.3	20
78	Photoelectron spectroscopy of free multiply charged Keggin anions alpha-[PM12O40]3- (M = Mo, W) in the gas phase. *Journal of Physical Chemistry A*, **2006**, 110, 10737-41	2.8	26
77	Sources of artefacts in the electrospray ionization mass spectra of saturated diacylglycerophosphocholines: from condensed phase hydrolysis reactions through to gas phase intercluster reactions. *Journal of the American Society for Mass Spectrometry*, **2006**, 17, 384-94	3.5	27
76	Gas phase synthesis and reactivity of Agn+ and Ag(n-1)H+ cluster cations. *Dalton Transactions*, **2005**, 2702-12	4.3	51
75	Photoelectron spectroscopy of doubly and singly charged group VIB dimetalate anions: M2O72-, MMOO72-, and M2O7- (M, MO= Cr, Mo, W). *Journal of Physical Chemistry A*, **2005**, 109, 10512-20	2.8	70
74	Formation of cationic peptide radicals by gas-phase redox reactions with trivalent chromium, manganese, iron, and cobalt complexes. *Journal of the American Chemical Society*, **2005**, 127, 6109-15	16.4	107
73	Neighbouring group processes in the deamination of protonated phenylalanine derivatives. *Organic and Biomolecular Chemistry*, **2005**, 3, 3618-28	3.9	39
72	Gas-phase reactivity of heterobinuclear oxometalate anions [CrMoO6(OR)]-, [CrWO6(OR)]-, and [MoWO6(OR)]- (R = H, nBu). *Inorganic Chemistry*, **2005**, 44, 3356-66	5.1	27
71	Selective identification and quantitative analysis of methionine containing peptides by charge derivatization and tandem mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **2005**, 16, 1131-50	3.5	51
70	Gas-phase synthesis of [Ag4H]+ and its mediation of the C--C coupling of allyl bromide. *Angewandte Chemie - International Edition*, **2005**, 44, 728-31	16.4	80
69	Can radical cations of the constituents of nucleic acids be formed in the gas phase using ternary transition metal complexes?. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 1797-805	2.2	37
68	Gas Phase Ion Chemistry of Transition Metal Clusters: Production, Reactivity, and Catalysis. *Journal of Cluster Science*, **2004**, 15, 331-363	3	173
67	Gas-phase ligand loss and ligand substitution reactions of platinum(II) complexes of tridentate nitrogen donor ligands. *Rapid Communications in Mass Spectrometry*, **2004**, 18, 1221-6	2.2	21
66	Gas-phase reactions of protonated tryptophan. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 65-76	3.5	93
65	Using non-covalent complexes to direct the fragmentation of glycosidic bonds in the gas phase. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 715-24	3.5	11
64	Gas phase oxidation of alkoxo ligands in bis(peroxo)[MO(O2)2(OR)]- and trisoxo [MO3(OR)]- anions (M = Cr, Mo, W). *Dalton Transactions*, **2004**, 4010-6	4.3	9
63	Designing copper(II) ternary complexes to generate radical cations of peptides in the gas phase: role of the auxiliary ligand. *Dalton Transactions*, **2004**, 3199-204	4.3	76
62	Ion/molecule reactions of the protonated serine octamer. *Chemical Communications*, **2004**, 1944-5	5.8	18

61	Formation of the heterocumulene anion SCCCN(-) by a cyano migration from the radical anion of 1,2-dicyanoethylenedithiolate. *Organic and Biomolecular Chemistry*, **2004**, 2, 190-4	3.9	2
60	Dimethyl cuprate undergoes C-C bond coupling with methyliodide in the gas phase but dimethyl argenate does not. *Organic Letters*, **2004**, 6, 2761-4	6.2	68
59	Metal Ion Interactions with Polyalanine Peptides. *Journal of Physical Chemistry B*, **2004**, 108, 6093-6097	3.4	38
58	Photoelectron spectroscopy of the doubly-charged anions [MIVO(mnt)2]2- (M = Mo, W; mnt = S2C2(CN)2(2-): access to the ground and excited states of the [MVO(mnt)2]- anion. *Journal of the American Chemical Society*, **2004**, 126, 5119-29	16.4	23
57	Gas-phase synthesis and reactivity of the organomagnesates [CH3MgL2]- (L = Cl and O2CCH3): from ligand effects to catalysis. *Journal of the American Chemical Society*, **2004**, 126, 12173-83	16.4	104
56	Gas phase ion chemistry of charged silver(I) adenine ions via multistage mass spectrometry experiments and DFT calculations. *Dalton Transactions*, **2004**, 197-208	4.3	37
55	Photoelectron Spectroscopy of Free Polyoxoanions Mo6O192- and W6O192- in the Gas Phase. *Journal of Physical Chemistry A*, **2004**, 108, 10089-10093	2.8	50
54	Unusual covalent bond-breaking reactions of beta-cyclodextrin inclusion complexes of nucleobases/nucleosides and related guest molecules. *European Journal of Mass Spectrometry*, **2003**, 9, 563-77	1.1	10
53	Electron capture dissociation and infrared multiphoton dissociation of oligodeoxynucleotide dications. *Journal of the American Society for Mass Spectrometry*, **2003**, 14, 23-41	3.5	71
52	Catalytic gas phase oxidation of methanol to formaldehyde. *Journal of the American Chemical Society*, **2003**, 125, 3384-96	16.4	207
51	Mining a tandem mass spectrometry database to determine the trends and global factors influencing peptide fragmentation. *Analytical Chemistry*, **2003**, 75, 6251-64	7.8	231
50	Aspergillicins A-E: five novel depsipeptides from the marine-derived fungus Aspergillus carneus. *Organic and Biomolecular Chemistry*, **2003**, 1, 1856-62	3.9	68
49	Molecular recognition in the gas phase ligand switching reactions of the proton bound dimer of sarcosine and glycylglycine. *Organic and Biomolecular Chemistry*, **2003**, 1, 745-50	3.9	3
48	Gas phase reactions of trimethyl borate with phosphates and their non-covalent complexes. *Journal of the American Society for Mass Spectrometry*, **2002**, 13, 1088-98	3.5	26
47	Side-chain radical losses from radical cations allows distinction of leucine and isoleucine residues in the isomeric peptides Gly-XXX-Arg. *Rapid Communications in Mass Spectrometry*, **2002**, 16, 884-90	2.2	66
46	Characterization of an antagonist interleukin-6 dimer by stable isotope labeling, cross-linking, and mass spectrometry. *Journal of Biological Chemistry*, **2002**, 277, 46487-92	5.4	94
45	Mapping charged silver(I) adenine polymers, [Adx+ Agy□H](y □)+, via electrospray ionization tandem mass spectrometry experiments. *Dalton Transactions RSC*, **2002**, 4024		16
44	9 Organic gas phase ion chemistry. *Annual Reports on the Progress of Chemistry Section B*, **2002**, 98, 433-501		5

43	Dimethylargenate is a stable species in the gas phase. *Chemical Communications*, **2002**, 20-1	5.8	47
42	Evaluating the Role of the Ligand in the Fragmentation Reactions of Platinum(II) Complexes of Aliphatic Dipeptides. Electrospray Ionization Tandem Mass Spectrometry of [Pt(L3)M]2+ and [Pt(L3)M H]+ Ions [L3 = (H3N)3, Diethylenetriamine and Terpyridine; M = Gly-Gly, Ala-Gly and Gly-Ala] *European Journal of Mass Spectrometry*, **2001**, 7, 69-78	1.1	11
41	A study of kynurenine fragmentation using electrospray tandem mass spectrometry. *Journal of the American Society for Mass Spectrometry*, **2001**, 12, 786-94	3.5	23
40	Gas-Phase and Condensed-Phase Studies on the Reactivity of the Azido(2,2 6 2 terpyridine)platinum(II) Cation. *Australian Journal of Chemistry*, **2001**, 54, 245	1.2	13
39	8 Organic gas phase ion chemistry. *Annual Reports on the Progress of Chemistry Section B*, **2001**, 97, 393-456		9
38	N-terminal derivatization and fragmentation of neutral peptides via ion--molecule reactions with acylium ions: toward gas-phase Edman degradation?. *Journal of the American Chemical Society*, **2001**, 123, 1184-92	16.4	30
37	The role of nucleophile--electrophile interactions in the unimolecular and bimolecular gas-phase ion chemistry of peptides and related systems. *Journal of Mass Spectrometry*, **2000**, 35, 1377-81	2.2	96
36	The search for stable gas phase b(1) ions derived from aliphatic amino acids: a combined experimental and ab initio study. *Rapid Communications in Mass Spectrometry*, **2000**, 14, 1220-5	2.2	16
35	Do amines react with protonated peptides in the gas phase via transacylation reactions to induce peptide bond cleavage?. *Rapid Communications in Mass Spectrometry*, **2000**, 14, 1707-16	2.2	11
34	Electrospray ionization tandem mass spectrometric studies of competitive pyridine loss from platinum(II) ethylenediamine complexes by the kinetic method. *Rapid Communications in Mass Spectrometry*, **2000**, 14, 2385-92	2.2	9
33	The fragmentation pathways of protonated glycine: a computational study. *Journal of the American Society for Mass Spectrometry*, **2000**, 11, 687-96	3.5	55
32	Leaving group and gas phase neighboring group effects in the side chain losses from protonated serine and its derivatives. *Journal of the American Society for Mass Spectrometry*, **2000**, 11, 1047-60	3.5	83
31	Derivatization of protonated peptides via gas phase ion-molecule reactions with acetone. *Journal of the American Society for Mass Spectrometry*, **2000**, 11, 244-56	3.5	20
30	Fragmentation Reactions of All 64 Deprotonated Trinucleotide and 16 Mixed Base Tetranucleotide Anions via Tandem Mass Spectrometry in an Ion Trap.. *Australian Journal of Chemistry*, **2000**, 53, 307	1.2	7
29	Probing the catalytic oxidation of alcohols via an anionic dimolybdate centre using multistage mass spectrometry. *Chemical Communications*, **2000**, 225-226	5.8	17
28	Formation and gas phase fragmentation reactions of ligand substitution products of platinum(II) complexes via electrospray ionization tandem mass spectrometry. *Dalton Transactions RSC*, **2000**, 93-100		14
27	Can transacylation reactions occur via S(N)2 pathways in the gas phase? Insights via ion-molecule reactions of N-acylpyridinium ions and ab initio calculations. *Organic Letters*, **2000**, 2, 2567-70	6.2	27
26	The search for stable gas phase b1 ions derived from aliphatic amino acids: a combined experimental and ab initio study **2000**, 14, 1220		2

25	Neighboring Group versus Cis-Elimination Mechanisms for Side Chain Loss from Protonated Methionine, Methionine Sulfoxide and Their Peptides. *European Journal of Mass Spectrometry*, **1999**, 5, 325		46
24	The [M-H-CO2]- anion from glycyl glycine undergoes rearrangement in the gas phase. *Rapid Communications in Mass Spectrometry*, **1998**, 12, 809-812	2.2	9
23	Does side chain water loss from protonated threonine yield N-protonated dehydroamino-2-butyric acid?. *Rapid Communications in Mass Spectrometry*, **1998**, 12, 999-1002	2.2	22
22	Gas phase ion–molecule reactions in a modified ion trap: H/D exchange of non-covalent complexes and coordinatively unsaturated platinum complexes. *Rapid Communications in Mass Spectrometry*, **1998**, 12, 1701-1708	2.2	79
21	A mass spectrometric and ab initio study of the pathways for dehydration of simple glycine and cysteine-containing peptide [M+H]+ ions. *Journal of the American Society for Mass Spectrometry*, **1998**, 9, 945-956	3.5	96
20	Role of the sulfhydryl group on the gas phase fragmentation reactions of protonated cysteine and cysteine containing peptides. *Journal of the American Society for Mass Spectrometry*, **1998**, 9, 1275-1284	3.5	57
19	Characterization of an ambident electrophile: the gas phase reactivity of the methoxymethyl cation. *International Journal of Mass Spectrometry and Ion Processes*, **1998**, 175, 107-122		15
18	GAS PHASE REACTIONS OF DIALKOXYDISULFIDES, ROSSOR (R=CH3 AND CH3CH2), WITH ANIONIC NUCLEOPHILES. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1997**, 126, 257-272	1	2
17	The methoxymethyl cation cleaves peptide bonds in the gasphase. *Chemical Communications*, **1997**, 1409-1410	3.8	17
16	Gas Phase Reactions of Cysteine with Charged Electrophiles: Regioselectivities of the Dimethylchlorinium Ion and the Methoxymethyl Cation1. *Journal of Organic Chemistry*, **1997**, 62, 6112-6120	4.2	26
15	Decompositions of odd- and even-electron anions derived from deoxy-polyadenylates. *Journal of the American Society for Mass Spectrometry*, **1997**, 8, 148-154	3.5	44
14	GAS PHASE CHEMISTRY OF SULFONATE ANIONS: BASICITIES AND FRAGMENTATION REACTIONS1. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1996**, 119, 49-59	1	12
13	Gas Phase Reactions of the Cyclic Ethylenehalonium Ions (CH2)2X+ (X = Cl, Br) with Glycine1. *Journal of Organic Chemistry*, **1996**, 61, 2374-2382	4.2	14
12	Gas-phase reactions of glycine, alanine, valine and their N-methyl derivatives with the nitrosonium ion, NO+. *Journal of Mass Spectrometry*, **1996**, 31, 1086-92	2.2	13
11	Concerning the Regioselectivity of Gas Phase Reactions of Glycine with Electrophiles. The Cases of the Dimethylchlorinium Ion and the Methoxymethyl Cation. *Journal of Organic Chemistry*, **1995**, 60, 1990-1998	4.2	26
10	Ab Initio Studies of Amino Acid Conformations. 1. The Conformers of Alanine, Serine, and Cysteine. *Journal of the American Chemical Society*, **1995**, 117, 2071-2081	16.4	200
9	Measurements of Solvent and Secondary Kinetic Isotope Effects for the Gas-Phase SN2 Reactions of Fluoride with Methyl Halides. *Journal of the American Chemical Society*, **1994**, 116, 3609-3610	16.4	96
8	Gas-phase chemistry of HSiS- and HSiNH-: ions related to silathioformaldehyde and the silaazomethine of formaldehyde. *Journal of the American Chemical Society*, **1993**, 115, 1998-2005	16.4	15

7	Gas phase reactions of the methylsulfinyl and methyl disulfide anions. *International Journal of Mass Spectrometry and Ion Processes*, **1992**, 120, 217-229		8
6	Gas phase acidities of the α-amino acids. *International Journal of Mass Spectrometry and Ion Processes*, **1992**, 117, 23-36		118
5	The gas-phase acidity of hindered amines and some reaction chemistry of their corresponding amide ions. *International Journal of Mass Spectrometry and Ion Processes*, **1992**, 117, 199-211		
4	Gas phase chemistry of nitrogen containing negative ions: deprotonated nitromethane, acetone oxime, and acetone oxime o-methyl ether. *International Journal of Mass Spectrometry and Ion Processes*, **1989**, 90, 295-300		8
3	The oxyisocyanate [ONCO]⁻ and amidoisocyanate [HNNCO]⁻ negative ions. *Rapid Communications in Mass Spectrometry*, **1989**, 3, 151-152	2.2	13
2	The bis(methylene) metaphosphite, [P(CH2)2]⁻ and tris(methylene) metaphosphate, [P(CH2)3]⁻ families of anions. An experimental and ab initio study. *Journal of the Chemical Society Dalton Transactions*, **1988**, 2837-2841		5
1	Formation, Chemistry and Structure of Organomagnesium Species in Solvent-Free Environments155-187		3