

Richard A O hair

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276
papers

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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	MR1 presents microbial vitamin B metabolites to MAIT cells. <i>Nature</i> , 2012 , 491, 717-23	50.4	834
275	Mining a tandem mass spectrometry database to determine the trends and global factors influencing peptide fragmentation. <i>Analytical Chemistry</i> , 2003 , 75, 6251-64	7.8	231
274	The 3D quadrupole ion trap mass spectrometer as a complete chemical laboratory for fundamental gas-phase studies of metal mediated chemistry. <i>Chemical Communications</i> , 2006 , 1469-81	5.8	219
273	Catalytic gas phase oxidation of methanol to formaldehyde. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3384-96	16.4	207
272	Ab Initio Studies of Amino Acid Conformations. 1. The Conformers of Alanine, Serine, and Cysteine. <i>Journal of the American Chemical Society</i> , 1995 , 117, 2071-2081	16.4	200
271	Gas Phase Ion Chemistry of Transition Metal Clusters: Production, Reactivity, and Catalysis. <i>Journal of Cluster Science</i> , 2004 , 15, 331-363	3	173
270	Gas phase acidities of the amino acids. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992 , 117, 23-36		118
269	Formation of cationic peptide radicals by gas-phase redox reactions with trivalent chromium, manganese, iron, and cobalt complexes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6109-15	16.4	107
268	Gas-phase synthesis and reactivity of the organomagnesates [CH ₃ MgL ₂]- (L = Cl and O ₂ CCH ₃): from ligand effects to catalysis. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12173-83	16.4	104
267	A mass spectrometric and ab initio study of the pathways for dehydration of simple glycine and cysteine-containing peptide [M+H] ⁺ ions. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 945-956	3.5	96
266	The role of nucleophile--electrophile interactions in the unimolecular and bimolecular gas-phase ion chemistry of peptides and related systems. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 1377-81	2.2	96
265	Measurements of Solvent and Secondary Kinetic Isotope Effects for the Gas-Phase S _N 2 Reactions of Fluoride with Methyl Halides. <i>Journal of the American Chemical Society</i> , 1994 , 116, 3609-3610	16.4	96
264	Characterization of an antagonist interleukin-6 dimer by stable isotope labeling, cross-linking, and mass spectrometry. <i>Journal of Biological Chemistry</i> , 2002 , 277, 46487-92	5.4	94
263	Gas-phase reactions of protonated tryptophan. <i>Journal of the American Society for Mass Spectrometry</i> , 2004 , 15, 65-76	3.5	93
262	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. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 389, 1429-37	4.4	91
261	Gold-mediated C-I bond activation of iodobenzene. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3812-7	16.4	85
260	Leaving group and gas phase neighboring group effects in the side chain losses from protonated serine and its derivatives. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 1047-60	3.5	83

259	Gas phase studies of the Pesci decarboxylation reaction: synthesis, structure, and unimolecular and bimolecular reactivity of organometallic ions. <i>Accounts of Chemical Research</i> , 2015 , 48, 329-40	24.3	82
258	The effective temperature of ions stored in a linear quadrupole ion trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 811-5	3.5	81
257	C-H bond activation of methanol and ethanol by a high-spin Fe(IV)O biomimetic complex. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 8379-83	16.4	81
256	Gas-phase synthesis of [Ag ₄ H] ⁺ and its mediation of the C-C coupling of allyl bromide. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 728-31	16.4	80
255	Gas phase ion/molecule reactions in a modified ion trap: H/D exchange of non-covalent complexes and coordinatively unsaturated platinum complexes. <i>Rapid Communications in Mass Spectrometry</i> , 1998 , 12, 1701-1708	2.2	79
254	Selective disulfide bond cleavage in gold(I) cationized polypeptide ions formed via gas-phase ion/ion cation switching. <i>Journal of Proteome Research</i> , 2006 , 5, 2087-92	5.6	79
253	Designing copper(II) ternary complexes to generate radical cations of peptides in the gas phase: role of the auxiliary ligand. <i>Dalton Transactions</i> , 2004 , 3199-204	4.3	76
252	Relationships of nicotianamine and other amino acids with nickel, zinc and iron in <i>Thlaspi</i> hyperaccumulators. <i>New Phytologist</i> , 2007 , 176, 836-848	9.8	73
251	Electron capture dissociation and infrared multiphoton dissociation of oligodeoxynucleotide dications. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 23-41	3.5	71
250	Photoelectron spectroscopy of doubly and singly charged group VIB dimetalate anions: M ₂ O ₇ ²⁻ , MM ₂ O ₇ ²⁻ , and M ₂ O ₇ ⁻ (M, M' = Cr, Mo, W). <i>Journal of Physical Chemistry A</i> , 2005 , 109, 10512-20	2.8	70
249	Gas-phase synthesis of the homo and hetero organocuprate anions [MeCuMe] ⁻ , [EtCuEt] ⁻ , and [MeCuR] ⁻ . <i>Journal of the American Chemical Society</i> , 2008 , 130, 1069-79	16.4	69
248	Gas-phase fragmentation of long-lived cysteine radical cations formed via NO loss from protonated S-nitrosocysteine. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 985-95	3.5	68
247	Dimethyl cuprate undergoes C-C bond coupling with methyl iodide in the gas phase but dimethyl argenate does not. <i>Organic Letters</i> , 2004 , 6, 2761-4	6.2	68
246	Aspergillicins A-E: five novel depsipeptides from the marine-derived fungus <i>Aspergillus carneus</i> . <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 1856-62	3.9	68
245	Side-chain radical losses from radical cations allows distinction of leucine and isoleucine residues in the isomeric peptides Gly-XXX-Arg. <i>Rapid Communications in Mass Spectrometry</i> , 2002 , 16, 884-90	2.2	66
244	Metal-mediated formation of gas-phase amino acid radical cations. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 8304-15	2.8	62
243	Unimolecular Reactions of Organocuprates and Organoargentates. <i>Organometallics</i> , 2010 , 29, 2282-2293	3.8	59
242	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. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 1109-23	3.5	58

241	Role of the sulfhydryl group on the gas phase fragmentation reactions of protonated cysteine and cysteine containing peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 1998 , 9, 1275-1284	3.5	57
240	The fragmentation pathways of protonated glycine: a computational study. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 687-96	3.5	55
239	Gas phase synthesis and reactivity of Ag _n ⁺ and Ag _(n-1) H ⁺ cluster cations. <i>Dalton Transactions</i> , 2005 , 2702-12	4.3	51
238	Gas-phase regiocontrolled generation of charged amino acid and peptide radicals. <i>Chemical Communications</i> , 2006 , 4233-5	5.8	51
237	Selective identification and quantitative analysis of methionine containing peptides by charge derivatization and tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1131-50	3.5	51
236	Photoelectron Spectroscopy of Free Polyoxoanions Mo ₆ O ₁₉ ²⁻ and W ₆ O ₁₉ ²⁻ in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 10089-10093	2.8	50
235	Ligand-induced substrate steering and reshaping of [Ag ₂ (H)] ⁺ scaffold for selective CO ₂ extrusion from formic acid. <i>Nature Communications</i> , 2016 , 7, 11746	17.4	50
234	Gas-Phase Synthesis of Organoargenate Anions and Comparisons with Their Organocuprate Analogues. <i>Organometallics</i> , 2009 , 28, 2684-2692	3.8	48
233	Gas-phase peptide fragmentation: how understanding the fundamentals provides a springboard to developing new chemistry and novel proteomic tools. <i>Journal of Mass Spectrometry</i> , 2008 , 43, 1301-19	2.2	48
232	Dimethylargenate is a stable species in the gas phase. <i>Chemical Communications</i> , 2002 , 20-1	5.8	47
231	Mobile protons versus mobile radicals: gas-phase unimolecular chemistry of radical cations of cysteine-containing peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1296-312	3.5	46
230	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. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2727-33	2.2	46
229	Neighboring Group versus Cis-Elimination Mechanisms for Side Chain Loss from Protonated Methionine, Methionine Sulfoxide and Their Peptides. <i>European Journal of Mass Spectrometry</i> , 1999 , 5, 325		46
228	Copper(I)-catalyzed cycloaddition of silver acetylides and azides: incorporation of volatile acetylenes into the triazole core. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 6082-8	3.9	45
227	Gas-phase reactivity of group 11 dimethylmetallates with allyl iodide. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2569-80	16.4	44
226	Decompositions of odd- and even-electron anions derived from deoxy-polyadenylates. <i>Journal of the American Society for Mass Spectrometry</i> , 1997 , 8, 148-154	3.5	44
225	Who Wins: Pesci, Peters, or Deacon? Intrinsic Reactivity Orders for Organocuprate Formation via Ligand Decomposition. <i>Organometallics</i> , 2012 , 31, 1801-1807	3.8	43
224	Mononuclear metavanadate catalyses gas phase oxidation of methanol to formaldehyde employing dioxygen as the terminal oxidant. <i>Chemical Communications</i> , 2006 , 4503-5	5.8	43

223	Gas-phase synthesis and reactivity of binuclear gold hydride cations, (R3PAu)2H+ (R = Me and Ph). <i>Dalton Transactions</i> , 2006 , 3699-707	4.3	43
222	Synthesis, structure and gas-phase reactivity of a silver hydride complex [Ag3{(PPh2)2CH2}3(B-H)(B-Cl)]BF4. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8391-4	16.4	41
221	Letter: intercluster chemistry of protonated and sodiated betaine dimers upon collision induced dissociation and electron induced dissociation. <i>European Journal of Mass Spectrometry</i> , 2008 , 14, 107-10	1.1	41
220	LC-MS and GC-MS metabolite profiling of nickel(II) complexes in the latex of the nickel-hyperaccumulating tree <i>Sebertia acuminata</i> and identification of methylated aldaric acid as a new nickel(II) ligand. <i>Phytochemistry</i> , 2008 , 69, 240-51	4	41
219	Dissecting the insect metabolic machinery using twin ion mass spectrometry: a single P450 enzyme metabolizing the insecticide imidacloprid in vivo. <i>Analytical Chemistry</i> , 2014 , 86, 3525-32	7.8	40
218	Forming trifluoromethylmetallates: competition between decarboxylation and C-F bond activation of group 11 trifluoroacetate complexes, [CF3CO2ML]-. <i>Dalton Transactions</i> , 2012 , 41, 3395-406	4.3	40
217	Neighbouring group processes in the deamination of protonated phenylalanine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 3618-28	3.9	39
216	C-C bond coupling between the organometallic cations CH3Ag2+, CH3Cu2+ and CH3AgCu+ and allyliodide. <i>Dalton Transactions</i> , 2009 , 2832-6	4.3	38
215	Metal Ion Interactions with Polyalanine Peptides. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 6093-6097	3.4	38
214	Role of the Metal, Ligand, and Alkyl/Aryl Group in the Hydrolysis Reactions of Group 10 Organometallic Cations [(L)M(R)]+. <i>Organometallics</i> , 2013 , 32, 6931-6944	3.8	37
213	Structure and reactivity of the N-acetyl-cysteine radical cation and anion: does radical migration occur?. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1794-803	3.5	37
212	Gas-phase ion-molecule reactions using regioselectively generated radical cations to model oxidative damage and probe radical sites in peptides. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 3733-3743	3.9	37
211	Gas-phase formation of the Gomberg-Bachmann magnesium ketyl. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 9118-21	16.4	37
210	Gas phase ion chemistry of charged silver(I) adenine ions via multistage mass spectrometry experiments and DFT calculations. <i>Dalton Transactions</i> , 2004 , 197-208	4.3	37
209	Can radical cations of the constituents of nucleic acids be formed in the gas phase using ternary transition metal complexes?. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 1797-805	2.2	37
208	Dimethylcuprate undergoes a dyotropic rearrangement. <i>Chemistry - A European Journal</i> , 2010 , 16, 2674-8	4.8	36
207	Synthesis, structural characterization, and gas-phase unimolecular reactivity of the silver hydride nanocluster [Ag3{(PPh2)2CH2}3(B-H)](BF4)2. <i>Inorganic Chemistry</i> , 2014 , 53, 7429-37	5.1	35
206	Gold-Mediated C-I Bond Activation of Iodobenzene. <i>Angewandte Chemie</i> , 2012 , 124, 3878-3883	3.6	35

- 205 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
- 204 Gas-phase reactivity of metavanadate [VO₃]⁻ towards methanol and ethanol: experiment and theory. *Chemistry - A European Journal*, **2007**, 13, 8818-29 4.8 34
- 203 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
- 202 Gas phase synthesis and reactivity of dimethylaurate. *Dalton Transactions*, **2010**, 39, 8655-62 4.3 33
- 201 Multiply protonated betaine clusters are stable in the gas phase. *Chemical Communications*, **2008**, 4942-4.8 31
- 200 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
- 199 Synthesis, Structural Characterization, and Gas-Phase Unimolecular Reactivity of Bis(diphenylphosphino)amino Copper Hydride Nanoclusters [Cu(X)(H)((PPh)NH)](BF₄), Where X = EtCl and EtH. *Inorganic Chemistry*, **2016**, 55, 9858-9868 5.1 30
- 198 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
- 197 Interaction of cisplatin and analogues with a Met-rich protein site. *Journal of Biological Inorganic Chemistry*, **2009**, 14, 163-5 3.7 30
- 196 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
- 195 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^{2.8} 2.9
- 194 Gas-Phase Formation and Fragmentation Reactions of the Organomagnesates [RMgX₂]⁺. *Organometallics*, **2013**, 32, 2319-2328 3.8 29
- 193 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
- 192 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
- 191 Dimethylcuprate-Catalyzed Decarboxylative Coupling of Allyl Acetate. *Organometallics*, **2012**, 31, 8012-8023 3.0 27
- 190 Sixty years after Wittig: gas-phase synthesis of lithium trimethylammonium methylide, [(CH₃)₃NCH₂Li]⁺. *Angewandte Chemie - International Edition*, **2007**, 46, 7048-51 16.4 27
- 189 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
- 188 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

187	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. <i>Organic Letters</i> , 2000 , 2, 2567-70	6.2	27
186	Gas-Phase Ion-Molecule Reactions of Copper Hydride Anions [CuH] and [CuH]. <i>Inorganic Chemistry</i> , 2017 , 56, 2387-2399	5.1	26
185	Fixed-charge phosphine ligands to explore gas-phase coinage metal-mediated decarboxylation reactions. <i>Dalton Transactions</i> , 2013 , 42, 6440-9	4.3	26
184	Modular molecules: site-selective metal substitution, photoreduction, and chirality in polyoxometalate hybrids. <i>Chemistry - A European Journal</i> , 2014 , 20, 14102-11	4.8	26
183	S-to-C radical migration in the radical cations of Gly-Cys and Cys-Gly. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 1019-23	3.5	26
182	Nitrogen adduction by three coordinate group 10 organometallic cations: platinum is favoured over nickel and palladium. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 2083-8	2.2	26
181	Modeling Solvation of Magnesium Centers by Ether Ligands: Gas-Phase Synthesis and Hydrolysis of the Organomagnesium Cations [CH3Mg(3X-crown-X)]+ (X = 4B). <i>Organometallics</i> , 2011 , 30, 4297-4307	3.8	26
180	Gas Phase Reactions of Cysteine with Charged Electrophiles: Regioselectivities of the Dimethylchlorinium Ion and the Methoxymethyl Cation. <i>Journal of Organic Chemistry</i> , 1997 , 62, 6112-6120	4.2	26
179	Electron capture dissociation of complexes of diacylglycerophosphocholine and divalent metal ions: competition between charge reduction and radical induced phospholipid fragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 978-86	3.5	26
178	Photoelectron spectroscopy of free multiply charged Keggin anions alpha-[PM12O40]3- (M = Mo, W) in the gas phase. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 10737-41	2.8	26
177	Gas phase reactions of trimethyl borate with phosphates and their non-covalent complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 1088-98	3.5	26
176	Concerning the Regioselectivity of Gas Phase Reactions of Glycine with Electrophiles. The Cases of the Dimethylchlorinium Ion and the Methoxymethyl Cation. <i>Journal of Organic Chemistry</i> , 1995 , 60, 1990-1998	4.2	26
175	Synthesis, structure and gas-phase reactivity of the mixed silver hydride borohydride nanocluster [Ag3(B-H)(B-BH4)L(Ph)3]BF4 (L(Ph) = bis(diphenylphosphino)methane). <i>Nanoscale</i> , 2015 , 7, 18129-37	7.7	25
174	Direct versus Water-Mediated Protodecarboxylation of Acetic Acid Catalyzed by Group 10 Carboxylates, [(phen)M(O2CCH3)]+. <i>Organometallics</i> , 2014 , 33, 5185-5197	3.8	25
173	Gas-phase infrared spectrum and acidity of the radical cation of 9-methylguanine. <i>Chemical Communications</i> , 2013 , 49, 7343-5	5.8	25
172	Gas-phase VUV photoionisation and photofragmentation of the silver deuteride nanocluster [Ag10D8L6](2+) (L = bis(diphenylphosphino)methane). A joint experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 25772-7	3.6	24
171	Decomposition of nitroimidazole ions: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12598-607	3.6	24
170	Gas-phase reactions of [VO2(OH)2]- and [V2O5(OH)]- with methanol: experiment and theory. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1124-35	2.8	24

169	Energetics and dynamics of the fragmentation reactions of protonated peptides containing methionine sulfoxide or aspartic acid via energy- and time-resolved surface induced dissociation. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 10580-8	2.8	23
168	Photoelectron spectroscopy of the doubly-charged anions [MIVO(mnt) ₂] ²⁻ (M = Mo, W; mnt = S ₂ C ₂ (CN) ₂ ²⁻): access to the ground and excited states of the [MVO(mnt) ₂] ⁻ anion. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5119-29	16.4	23
167	A study of kynurenine fragmentation using electrospray tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 786-94	3.5	23
166	Non-Aqueous Microwave-Assisted Syntheses of Deca- and Hexa-Molybdovanadates. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8568-8572	16.4	22
165	Does side chain water loss from protonated threonine yield N-protonated dehydroamino-2-butyric acid?. <i>Rapid Communications in Mass Spectrometry</i> , 1998 , 12, 999-1002	2.2	22
164	How to Translate the [LCu ₂ (H)] ⁺ -Catalysed Selective Decomposition of Formic Acid into H ₂ and CO ₂ from the Gas Phase into a Zeolite.. <i>ChemCatChem</i> , 2018 , 10, 1173-1177	5.2	22
163	Synthesis, structural elucidation, and biochemical analysis of immunoactive glucuronosyl diacylglycerides of mycobacteria and corynebacteria. <i>Journal of Organic Chemistry</i> , 2013 , 78, 2175-90	4.2	21
162	Partitioning the roles of CYP6G1 and gut microbes in the metabolism of the insecticide imidacloprid in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2017 , 7, 11339	4.9	21
161	Gas-phase ligand loss and ligand substitution reactions of platinum(II) complexes of tridentate nitrogen donor ligands. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 1221-6	2.2	21
160	What Are the Potential Sites of Protein Arylation by N-Acetyl-p-benzoquinone Imine (NAPQI)?. <i>Chemical Research in Toxicology</i> , 2015 , 28, 2224-33	4	20
159	Decarboxylative-coupling of allyl acetate catalyzed by group 10 organometallics, [(phen)M(CH ₃)] ⁺ . <i>Journal of Organic Chemistry</i> , 2014 , 79, 12056-69	4.2	20
158	C-H Bond Activation of Methanol and Ethanol by a High-Spin FeIVO Biomimetic Complex. <i>Angewandte Chemie</i> , 2011 , 123, 8529-8533	3.6	20
157	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
156	Tuning the gas phase redox properties of copper(II) ternary complexes of terpyridines to control the formation of nucleobase radical cations. <i>Dalton Transactions</i> , 2006 , 5051-61	4.3	20
155	Derivatization of protonated peptides via gas phase ion-molecule reactions with acetone. <i>Journal of the American Society for Mass Spectrometry</i> , 2000 , 11, 244-56	3.5	20
154	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. <i>Analytical Chemistry</i> , 2015 , 87, 4104-9	7.8	19
153	Unraveling organocuprate complexity: fundamental insights into intrinsic group transfer selectivity in alkylation reactions. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1320-34	4.2	19
152	Formation and characterisation of the silver hydride nanocluster cation [Ag ₃ H ₂ ((Ph ₂ P) ₂ CH ₂)] ⁺ and its release of hydrogen. <i>Chemistry - A European Journal</i> , 2014 , 20, 16626-33	4.8	19

151	Formation of Methylmagnesium or Coordinated Ylide? Competition between Decarboxylation of Acetate and Betaine Ligands in $[\text{CH}_3\text{CO}_2\text{MgO}_2\text{CCH}_2\text{X}(\text{CH}_3)_2]^+$ (where X = NCH ₃ and S). <i>Organometallics</i> , 2010 , 29, 1238-1245	3.8	19
150	Gas-phase synthesis and reactivity of the lithium acetate enolate anion, $-\text{CH}_2\text{CO}_2\text{Li}$. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2934-6	16.4	19
149	Gas-phase ion/ion reactions of transition metal complex cations with multiply charged oligodeoxynucleotide anions. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 281-93	3.5	19
148	A one-pot route to thioamides discovered by gas-phase studies: palladium-mediated CO extrusion followed by insertion of isothiocyanates. <i>Chemical Communications</i> , 2017 , 53, 3854-3857	5.8	18
147	Structure and reactivity of homocysteine radical cation in the gas phase studied by ion-molecule reactions and infrared multiple photon dissociation. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1144-50	2.8	18
146	Structure and Reactivity of the Glutathione Radical Cation: Radical Rearrangement from the Cysteine Sulfur to the Glutamic Acid β -Carbon Atom. <i>ChemPlusChem</i> , 2013 , 78, 970-978	2.8	18
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144	Ion/molecule reactions of the protonated serine octamer. <i>Chemical Communications</i> , 2004 , 1944-5	5.8	18
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