

# Gert von Helden

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

215  
papers

13,029  
citations

65  
h-index

106  
g-index

229  
ext. papers

13,740  
ext. citations

7.1  
avg. IF

6.1  
L-index

#	Paper	IF	Citations
215	Cryogenic infrared spectroscopy provides mechanistic insight into the fragmentation of phospholipid silver adducts.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	0
214	Spectroscopy of Small and Large Biomolecular Ions in Helium-Nanodroplets. <i>Topics in Applied Physics</i> , <b>2022</b> , 241-280	0.5	
213	Gas-phase infrared spectroscopy of glycans and glycoconjugates.. <i>Current Opinion in Structural Biology</i> , <b>2021</b> , 72, 194-202	8.1	3
212	Helium Nanodroplet Infrared Action Spectroscopy of the Proton-Bound Dimer of Hydrogen Sulfate and Formate: Examining Nuclear Quantum Effects. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 9279-9287	2.8	0
211	Chondroitin Sulfate Disaccharides in the Gas Phase: Differentiation and Conformational Constraints. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 4373-4379	2.8	5
210	Non-covalent double bond sensors for gas-phase infrared spectroscopy of unsaturated fatty acids. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 3643-3653	4.4	2
209	Plate-height model of ion mobility-mass spectrometry: Part 2-Peak-to-peak resolution and peak capacity. <i>Journal of Separation Science</i> , <b>2021</b> , 44, 2798-2813	3.4	2
208	Unravelling the structural complexity of glycolipids with cryogenic infrared spectroscopy. <i>Nature Communications</i> , <b>2021</b> , 12, 1201	17.4	16
207	Unveiling Glycerolipid Fragmentation by Cryogenic Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14827-14834	16.4	4
206	Direct Experimental Characterization of the Ferrier Glycosyl Cation in the Gas Phase. <i>Organic Letters</i> , <b>2020</b> , 22, 8916-8919	6.2	9
205	Unterscheidung von isomeren Sphingolipiden mittels kryogener Infrarotspektroskopie. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13740-13744	3.6	0
204	Fernpartizipation in Glykosylierungen von Galaktose-Bausteinen: Direktnachweis durch kryogene Schwingungsspektroskopie. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6224-6229	3.6	12
203	Remote Participation during Glycosylation Reactions of Galactose Building Blocks: Direct Evidence from Cryogenic Vibrational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6166-6171	16.4	43
202	IR action spectroscopy of glycosaminoglycan oligosaccharides. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 533-537	4.4	16
201	Plate-height model of ion mobility-mass spectrometry. <i>Analyst, The</i> , <b>2020</b> , 145, 6313-6333	5	5
200	Cryogenic Infrared Spectroscopy Reveals Structural Modularity in the Vibrational Fingerprints of Heparan Sulfate Diastereomers. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10228-10232	7.8	13
199	The Impact of Leaving Group Anomericity on the Structure of Glycosyl Cations of Protected Galactosides. <i>ChemPhysChem</i> , <b>2020</b> , 21, 1905-1907	3.2	12

198	Innentitelbild: Unterscheidung von isomeren Sphingolipiden mittels kryogener Infrarotspektroskopie (Angew. Chem. 32/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13226-13226	3.6	
197	Probing the conformational landscape and thermochemistry of DNA dinucleotide anions via helium nanodroplet infrared action spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 18400-18413	3.6	10
196	Resolving Sphingolipid Isomers Using Cryogenic Infrared Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13638-13642	16.4	14
195	Characterization of a trans-trans Carbonic Acid-Fluoride Complex by Infrared Action Spectroscopy in Helium Nanodroplets. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5815-5823	16.4	12
194	An Intrinsic Hydrophobicity Scale for Amino Acids and Its Application to Fluorinated Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8216-8220	16.4	18
193	Eine intrinsische Hydrophobieskala für Aminosäuren und ihre Anwendung auf fluoridierte Verbindungen. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8300-8304	3.6	0
192	Annulative Extension of Unactivated Benzene Derivatives through Nondirected C-H Arylation. <i>Organic Letters</i> , <b>2019</b> , 21, 7004-7008	6.2	9
191	The role of the mobile proton in fucose migration. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4637-4645	14	14
190	Structural Characterization of Molybdenum Oxide Nanoclusters Using Ion Mobility Spectrometry-Mass Spectrometry and Infrared Action Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 7845-7853	3.8	11
189	Fucose Migration in Intact Protonated Glycan Ions: A Universal Phenomenon in Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7440-7443	16.4	36
188	Vibrational Spectroscopy of Fluoroformate, FCO, Trapped in Helium Nanodroplets. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2305-2310	6.4	17
187	The Structure of the Protonated Serine Octamer. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7554-7560	16.4	47
186	Side-chain effects on the structures of protonated amino acid dimers: A gas-phase infrared spectroscopy study. <i>International Journal of Mass Spectrometry</i> , <b>2018</b> , 429, 115-120	1.9	11
185	Fucose-Migration in intakten protonierten Glykan-Ionen – ein universelles Phänomen in der Massenspektrometrie. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7562-7565	3.6	3
184	Ground-State Structure of the Proton-Bound Formate Dimer by Cold-Ion Infrared Action Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10615-10619	16.4	21
183	NFGAIL Amyloid Oligomers: The Onset of Beta-Sheet Formation and the Mechanism for Fibril Formation. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 244-249	16.4	34
182	Unravelling the structure of glycosyl cations via cold-ion infrared spectroscopy. <i>Nature Communications</i> , <b>2018</b> , 9, 4174	17.4	38
181	Ground-State Structure of the Proton-Bound Formate Dimer by Cold-Ion Infrared Action Spectroscopy. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10775-10779	3.6	5

180	From Compact to String-The Role of Secondary and Tertiary Structure in Charge-Induced Unzipping of Gas-Phase Proteins. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2017</b> , 28, 638-646	3.5	13
179	Glycan Fingerprinting via Cold-Ion Infrared Spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11248-11251	16.4	88
178	Ion mobility-mass spectrometry and orthogonal gas-phase techniques to study amyloid formation and inhibition. <i>Current Opinion in Structural Biology</i> , <b>2017</b> , 46, 7-15	8.1	26
177	Fingerabdrücke für Glykane durch Spektroskopie kalter Ionen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11400-11404	3.6	12
176	Infrared spectrum and structure of the homochiral serine octamer-dichloride complex. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1263-1268	17.6	44
175	An infrared spectroscopy approach to follow sheet formation in peptide amyloid assemblies. <i>Nature Chemistry</i> , <b>2017</b> , 9, 39-44	17.6	127
174	Retention of Native Protein Structures in the Absence of Solvent: A Coupled Ion Mobility and Spectroscopic Study. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14173-14176	16.4	85
173	The impact of environment and resonance effects on the site of protonation of aminobenzoic acid derivatives. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 25474-25482	3.6	47
172	Stacking Geometries of Early Protoporphyrin IX Aggregates Revealed by Gas-Phase Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16315-16321	16.4	22
171	Conformational Shift of a Hairpin Peptide upon Complex Formation with an Oligo-proline Peptide Studied by Mass Spectrometry. <i>ChemistrySelect</i> , <b>2016</b> , 1, 3651-3656	1.8	3
170	Gas-phase microsolvation of ubiquitin: investigation of crown ether complexation sites using ion mobility-mass spectrometry. <i>Analyst, The</i> , <b>2016</b> , 141, 5502-10	5	16
169	Die Erhaltung nativer Proteinstrukturen unter Ausschluss von Lösungsmittel: eine Untersuchung mit Hilfe der Kombination von Ionenmobilität mit Spektroskopie. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14380-14384	3.6	3
168	Titelbild: Die Erhaltung nativer Proteinstrukturen unter Ausschluss von Lösungsmittel: eine Untersuchung mit Hilfe der Kombination von Ionenmobilität mit Spektroskopie (Angew. Chem. 45/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14386-14386	3.6	
167	Assessing the stability of alanine-based helices by conformer-selective IR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 19950-4	3.6	12
166	Charge-Induced Unzipping of Isolated Proteins to a Defined Secondary Structure. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3295-9	16.4	52
165	Ladungsinduziertes Entwinden isolierter Proteine zu einer definierten Sekundärstruktur. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3356-3360	3.6	14
164	Titelbild: Ladungsinduziertes Entwinden isolierter Proteine zu einer definierten Sekundärstruktur (Angew. Chem. 10/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3291-3291	3.6	
163	Online monitoring the isomerization of an azobenzene-based dendritic bolaamphiphile using ion mobility-mass spectrometry. <i>Chemical Communications</i> , <b>2015</b> , 51, 8801-4	5.8	22

162	Native like helices in a specially designed peptide in the gas phase. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 5376-85	3.6	13
161	Protomers of benzocaine: solvent and permittivity dependence. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4236-42	16.4	132
160	The new IR and THz FEL facility at the Fritz Haber Institute in Berlin <b>2015</b> ,		73
159	Exploring the conformational preferences of 20-residue peptides in isolation: Ac-Ala19-Lys + H(+) vs. Ac-Lys-Ala19 + H(+) and the current reach of DFT. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 7373-85	3.6	42
158	Analyzing the higher order structure of proteins with conformer-selective ultraviolet photodissociation. <i>Proteomics</i> , <b>2015</b> , 15, 2804-12	4.8	38
157	IR spectroscopy of protonated leu-enkephalin and its 18-crown-6 complex embedded in helium droplets. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 21902-11	3.6	46
156	Photodissociation of conformer-selected ubiquitin ions reveals site-specific cis/trans isomerization of proline peptide bonds. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10308-14	16.4	80
155	How cations change peptide structure. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 11224-34	4.8	32
154	Protein structure in the gas phase: the influence of side-chain microsolvation. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1177-80	16.4	66
153	Structure of the benzene dimer--governed by dynamics. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5180-3	16.4	52
152	Die Struktur des Benzoldimers ¶ Die Dynamik gewinnt. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5288-5292	3.6	9
151	Unraveling the internal dynamics of the benzene dimer: a combined theoretical and microwave spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 10207-23	3.6	26
150	Stark effect in the benzene dimer. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 13775-8	2.8	6
149	Photoexcitation of mass/charge selected hemin+, caught in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 13370-7	3.6	39
148	Ferrimagnetic cage-like Fe <sub>4</sub> O <sub>6</sub> cluster: Structure determination from infrared dissociation spectroscopy. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	31
147	Catching proteins in liquid helium droplets. <i>Physical Review Letters</i> , <b>2010</b> , 105, 133402	7.4	67
146	Intensity-resolved IR multiple photon ionization and fragmentation of C <sub>60</sub> . <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 074305	3.9	50
145	Secondary Structure of Ac-Alan-LysH+ Polyalanine Peptides (n = 5,10,15) in Vacuo: Helical or Not?. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 3465-3470	6.4	72

144	Amide-I and -II vibrations of the cyclic beta-sheet model peptide gramicidin S in the gas phase. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2085-93	16.4	56
143	Vibration-rotation-tunneling states of the benzene dimer: an ab initio study. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 8219-40	3.6	65
142	Conformations and vibrational spectra of a model tripeptide: change of secondary structure upon micro-solvation. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 3415-25	3.6	30
141	Internal Proton Transfer Leading to Stable Zwitterionic Structures in a Neutral Isolated Peptide. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 2382-2385	3.6	3
140	Internal proton transfer leading to stable zwitterionic structures in a neutral isolated peptide. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2332-5	16.4	33
139	Gas-phase IR spectra of intact helical coiled coil protein complexes. <i>International Journal of Mass Spectrometry</i> , <b>2009</b> , 283, 161-168	1.9	17
138	IR spectroscopy of gas-phase C60-. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 6862-6	3.6	14
137	Mid-IR spectra of different conformers of phenylalanine in the gas phase. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 1248-56	3.6	48
136	Selector for structural isomers of neutral molecules. <i>Physical Review Letters</i> , <b>2008</b> , 100, 133003	7.4	86
135	Cold collisions catalyse conformational conversion. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 3786-9	3.6	67
134	On the T-shaped structures of the benzene dimer. <i>Chemical Physics Letters</i> , <b>2007</b> , 437, 277-283	2.5	116
133	The far-infrared spectra of neutral and cationic niobium clusters: Nb <sub>5</sub> <sup>0/+</sup> to Nb <sub>9</sub> <sup>0+</sup> . <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 234306	3.9	59
132	Stepwise solvation of an amino acid: the appearance of zwitterionic structures. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 7309-16	2.8	118
131	Chapter 8 Vibrational spectroscopy of gas-phase clusters and complexes. <i>Chemical Physics of Solid Surfaces</i> , <b>2007</b> , 327-375		29
130	The mid-IR spectra of 9-ethyl guanine, guanosine, and 2-deoxyguanosine. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 7529-36	2.8	43
129	Complex systems in the gas phase <b>2007</b> , 153-256		1
128	Resonant infrared laser-induced desorption of methane condensed on NaCl(100): isotope mixture experiments. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 044704	3.9	17
127	Infrared multiphoton ionization of superhot C60: experiment and model calculations. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 184312	3.9	9

126	Size and charge effects on the binding of CO to late transition metal clusters. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 194305	3.9	95
125	An experimental value for the B(1u) C-H stretch mode in benzene. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 171101	3.9	63
124	Mid-infrared spectroscopy of protected peptides in the gas phase: a probe of the backbone conformation. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 3592-7	16.4	62
123	Infrared spectroscopy of phenylalanine Ag(I) and Zn(II) complexes in the gas phase. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 517-25	16.4	226
122	Velocity distribution of CO desorbing from NiO(1 0 0)/Ni(1 0 0) after picosecond UV laser irradiation. <i>Chemical Physics Letters</i> , <b>2006</b> , 420, 110-114	2.5	9
121	Gas-phase infrared multiple photon dissociation spectroscopy of mass-selected molecular ions. <i>International Journal of Mass Spectrometry</i> , <b>2006</b> , 254, 1-19	1.9	449
120	An infrared spectroscopic study of protonated and cationic indazole. <i>International Journal of Mass Spectrometry</i> , <b>2006</b> , 249-250, 199-205	1.9	21
119	Charge-state resolved mid-infrared spectroscopy of a gas-phase protein. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 1345-8	3.6	154
118	The gas-phase dipeptide analogue acetyl-phenylalanyl-amide: a model for the study of side chain/backbone interactions in proteins. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 5281-8	2.8	56
117	Infrared fingerprint spectroscopy and theoretical studies of potassium ion tagged amino acids and peptides in the gas phase. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8571-9	16.4	137
116	Spectroscopic evidence for gas-phase formation of successive beta-turns in a three-residue peptide chain. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1388-9	16.4	59
115	Infrared spectroscopy of gas-phase Cr <sup>+</sup> coordination complexes: determination of binding sites and electronic states. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 7243-54	16.4	92
114	Gold cluster carbonyls: vibrational spectroscopy of the anions and the effects of cluster size, charge, and coverage on the CO stretching frequency. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 23935-40	3.4	103
113	Direct observation of size dependent activation of NO on gold clusters. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 3906-9	3.6	38
112	Gold cluster carbonyls: saturated adsorption of CO on gold cluster cations, vibrational spectroscopy, and implications for their structures. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8416-23	16.4	157
111	Anharmonic midinfrared vibrational spectra of benzoic acid monomer and dimer. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 014305	3.9	58
110	Far-Infrared spectroscopy of isolated transition metal clusters. <i>European Physical Journal D</i> , <b>2005</b> , 34, 83-88	1.3	67
109	Vibrational spectroscopy of a non-aromatic amino acid-based model peptide: identification of the gamma-turn motif of the peptide backbone. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 13-5	3.6	49

108	Folding structures of isolated peptides as revealed by gas-phase mid-infrared spectroscopy. <i>ChemPhysChem</i> , <b>2005</b> , 6, 120-8	3.2	95
107	Secondary structures of short peptide chains in the gas phase: double resonance spectroscopy of protected dipeptides. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 54317	3.9	69
106	Isomer selective infrared spectroscopy of neutral metal clusters. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 091105	3.9	49
105	Structure determination of small vanadium clusters by density-functional theory in comparison with experimental far-infrared spectra. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 124302	3.9	69
104	Free electron laser-Fourier transform ion cyclotron resonance mass spectrometry facility for obtaining infrared multiphoton dissociation spectra of gaseous ions. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 023103	1.7	273
103	Experimental study of gas phase titanium and aluminum oxide clusters. <i>Astronomy and Astrophysics</i> , <b>2004</b> , 420, 547-552	5.1	52
102	Infrared multiple photon dynamics and spectroscopy of cationic PABA and its dehydroxylated fragment ion. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 710	3.6	52
101	Probing the vibrations of shared, OH+O-bound protons in the gas phase. <i>ChemPhysChem</i> , <b>2004</b> , 5, 740-3	3.2	98
100	Infrared spectroscopy of water adsorption on vanadium cluster cations ( $Vx^+$ ; $x=3-8$ ). <i>Chemical Physics Letters</i> , <b>2004</b> , 392, 409-414	2.5	23
99	Hydrated complexes of tryptophan: ion dip infrared spectroscopy in the molecular fingerprint region, 1000-2000 $cm^{-1}$ . <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 4546-4552	3.6	77
98	The mid-IR absorption spectrum of gas-phase clusters of the nucleobases guanine and cytosine. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 2810-2815	3.6	67
97	Structure determination of isolated metal clusters via far-infrared spectroscopy. <i>Physical Review Letters</i> , <b>2004</b> , 93, 023401	7.4	148
96	The site of $Cr^+$ attachment to gas-phase aniline from infrared spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 724-5	16.4	90
95	Infrared Photodissociation Spectroscopy of the Benzoic Acid Radical Cation in a Quadrupole Trap. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 8273-8278	2.8	25
94	Probing the glycosidic linkage: UV and IR ion-dip spectroscopy of a lactoside. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 5709-14	16.4	68
93	Size and Charge Effects on the Binding of CO to Small Isolated Rhodium Clusters. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 14591-14598	3.4	100
92	Gas-phase IR spectroscopy of anionic iron carbonyl clusters. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 14726-7	16.4	73
91	Vibrational spectroscopy and density functional theory of transition-metal ion-benzene and dibenzene complexes in the gas phase. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10981-91	16.4	144



90	The structures of vanadium oxide cluster-ethene complexes. A combined IR multiple photon dissociation spectroscopy and DFT calculation study. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 15716-7	16.4	57
89	Laboratory Infrared Spectroscopy of Cationic Polycyclic Aromatic Hydrocarbon Molecules. <i>Astrophysical Journal</i> , <b>2003</b> , 591, 968-985	4.7	216
88	Infrared multiple photon dissociation spectroscopy of transition metal oxide cluster cations. <i>European Physical Journal D</i> , <b>2003</b> , 24, 69-72	1.3	55
87	The infrared spectrum of the benzoyl cation. <i>Chemical Physics Letters</i> , <b>2003</b> , 367, 576-580	2.5	21
86	Infrared gas phase absorption spectra of neutral and cationic toluene-argon complexes. <i>Chemical Physics Letters</i> , <b>2003</b> , 371, 469-475	2.5	2
85	FELICE: the free electron laser for intra-cavity experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2003</b> , 507, 494-497	1.2	11
84	FEL induced dynamics of small molecules on surfaces: N <sub>2</sub> O on NaCl(100). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2003</b> , 507, 556-560	1.2	6
83	Infrared spectroscopy of niobium oxide cluster cations in a molecular beam: identifying the cluster structures. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 3659-67	16.4	94
82	Vibrational spectroscopy of CO in gas-phase rhodium cluster-CO complexes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 11184-5	16.4	50
81	Resonant Ionization Using IR Light: A New Tool To Study the Spectroscopy and Dynamics of Gas-Phase Molecules and Clusters. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 1671-1688	2.8	111
80	Vibrational and Electronic Spectroscopy of Acenaphthylene and Its Cation. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 782-793	2.8	42
79	Infrared spectroscopy of neutral C <sub>7</sub> H <sub>7</sub> isomers: benzyl and tropylium. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 15714-5	16.4	25
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