Gert von Helden

List of Publications by Year
in descending order

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221	14,476	13099	22832
papers	citations	68 h-index	112 g-index

229	229	229	7065
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gas-phase infrared spectroscopy of glycans and glycoconjugates. Current Opinion in Structural Biology, 2022, 72, 194-202.	5.7	10
2	Cryogenic infrared spectroscopy provides mechanistic insight into the fragmentation of phospholipid silver adducts. Analytical and Bioanalytical Chemistry, 2022, 414, 5275-5285.	3.7	8
3	Neighboring Group Participation of Benzoyl Protecting Groups in C3â€•and C6â€Fluorinated Glucose. European Journal of Organic Chemistry, 2022, 2022, .	2.4	10
4	Studying the Key Intermediate of RNA Autohydrolysis by Cryogenic Gasâ€Phase Infrared Spectroscopy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
5	Frontispiece: Studying the Key Intermediate of RNA Autohydrolysis by Cryogenic Gasâ€Phase Infrared Spectroscopy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	1
6	Frontispiz: Untersuchung des reaktiven Intermediats der RNA Autohydrolyse mittels kryogener Infrarotspektroskopie in der Gasphase. Angewandte Chemie, 2022, 134, .	2.0	0
7	Unravelling the structural complexity of glycolipids with cryogenic infrared spectroscopy. Nature Communications, 2021, 12, 1201.	12.8	36
8	Chondroitin Sulfate Disaccharides in the Gas Phase: Differentiation and Conformational Constraints. Journal of Physical Chemistry A, 2021, 125, 4373-4379.	2.5	7
9	Non-covalent double bond sensors for gas-phase infrared spectroscopy of unsaturated fatty acids. Analytical and Bioanalytical Chemistry, 2021, 413, 3643-3653.	3.7	5
10	Plateâ€height model of ion mobilityâ€mass spectrometry: Part 2â€”Peakâ€toâ€peak resolution and peak capacity. Journal of Separation Science, 2021, 44, 2798-2813.	2.5	8
11	Unveiling Glycerolipid Fragmentation by Cryogenic Infrared Spectroscopy. Journal of the American Chemical Society, 2021, 143, 14827-14834.	13.7	15
12	Helium Nanodroplet Infrared Action Spectroscopy of the Proton-Bound Dimer of Hydrogen Sulfate and Formate: Examining Nuclear Quantum Effects. Journal of Physical Chemistry A, 2021, 125, 9279-9287.	2.5	3
13	IR action spectroscopy of glycosaminoglycan oligosaccharides. Analytical and Bioanalytical Chemistry, 2020, 412, 533-537.	3.7	24
14	Plate-height model of ion mobility-mass spectrometry. Analyst, The, 2020, 145, 6313-6333.	3.5	13
15	Cryogenic Infrared Spectroscopy Reveals Structural Modularity in the Vibrational Fingerprints of Heparan Sulfate Diastereomers. Analytical Chemistry, 2020, 92, 10228-10232.	6.5	20
16	The Impact of Leaving Group Anomericity on the Structure of Glycosyl Cations of Protected Galactosides. ChemPhysChem, 2020, 21, 1905-1907.	2.1	15
17	Innentitelbild: Unterscheidung von isomeren Sphingolipiden mittels kryogener Infrarotspektroskopie (Angew. Chem. 32/2020). Angewandte Chemie, 2020, 132, 13226-13226.	2.0	0
18	Probing the conformational landscape and thermochemistry of DNA dinucleotide anions via helium nanodroplet infrared action spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 18400-18413.	2.8	23

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19	Direct Experimental Characterization of the Ferrier Glycosyl Cation in the Gas Phase. Organic Letters, 2020, 22, 8916-8919.	4.6	21
20	Unterscheidung von isomeren Sphingolipiden mittels kryogener Infrarotspektroskopie. Angewandte Chemie, 2020, 132, 13740-13744.	2.0	1
21	Fernpartizipation in Glykosylierungen von Galaktoseâ€Bausteinen: Direktnachweis durch kryogene Schwingungsspektroskopie. Angewandte Chemie, 2020, 132, 6224-6229.	2.0	17
22	Remote Participation during Glycosylation Reactions of Galactose Building Blocks: Direct Evidence from Cryogenic Vibrational Spectroscopy. Angewandte Chemie - International Edition, 2020, 59, 6166-6171.	13.8	76
23	Resolving Sphingolipid Isomers Using Cryogenic Infrared Spectroscopy. Angewandte Chemie - International Edition, 2020, 59, 13638-13642.	13.8	22
24	Annulative Ï€-Extension of Unactivated Benzene Derivatives through Nondirected Câ€“H Arylation. Organic Letters, 2019, 21, 7004-7008.	4.6	14
25	Characterization of a transâ€“trans Carbonic Acidâ€“Fluoride Complex by Infrared Action Spectroscopy in Helium Nanodroplets. Journal of the American Chemical Society, 2019, 141, 5815-5823.	13.7	18
26	An Intrinsic Hydrophobicity Scale for Amino Acids and Its Application to Fluorinated Compounds. Angewandte Chemie - International Edition, 2019, 58, 8216-8220.	13.8	30
27	Eine intrinsische Hydrophobieskala fÃ¼r AminosÃuren und ihre Anwendung auf fluorierte Verbindungen. Angewandte Chemie, 2019, 131, 8300-8304.	2.0	2
28	The role of the mobile proton in fucose migration. Analytical and Bioanalytical Chemistry, 2019, 411, 4637-4645.	3.7	27
29	Structural Characterization of Molybdenum Oxide Nanoclusters Using Ion Mobility Spectrometryâ€“Mass Spectrometry and Infrared Action Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 7845-7853.	3.1	20
30	Fucose Migration in Intact Protonated Glycan Ions: A Universal Phenomenon in Mass Spectrometry. Angewandte Chemie - International Edition, 2018, 57, 7440-7443.	13.8	51
31	Vibrational Spectroscopy of Fluoroformate, FCO₂^{â€“}, Trapped in Helium Nanodroplets. Journal of Physical Chemistry Letters, 2018, 9, 2305-2310.	4.6	21
32	The Structure of the Protonated Serine Octamer. Journal of the American Chemical Society, 2018, 140, 7554-7560.	13.7	67
33	Side-chain effects on the structures of protonated amino acid dimers: A gas-phase infrared spectroscopy study. International Journal of Mass Spectrometry, 2018, 429, 115-120.	1.5	18
34	NFGAIL Amyloid Oligomers: The Onset of Beta-Sheet Formation and the Mechanism for Fibril Formation. Journal of the American Chemical Society, 2018, 140, 244-249.	13.7	47
35	Unravelling the structure of glycosyl cations via cold-ion infrared spectroscopy. Nature Communications, 2018, 9, 4174.	12.8	60
36	Groundâ€State Structure of the Protonâ€Bound Formate Dimer by Coldâ€Ion Infrared Action Spectroscopy. Angewandte Chemie, 2018, 130, 10775-10779.	2.0	5

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37	Fucoseâ€Migration in intakten protonierten Glykanâ€Ionen â€“ ein universelles PhÃnomen in der Massenspektrometrie. Angewandte Chemie, 2018, 130, 7562-7565.	2.0	7
38	Groundâ€State Structure of the Protonâ€Bound Formate Dimer by Coldâ€Ion Infrared Action Spectroscopy. Angewandte Chemie - International Edition, 2018, 57, 10615-10619.	13.8	26
39	From Compact to Stringâ€”The Role of Secondary and Tertiary Structure in Charge-Induced Unzipping of Gas-Phase Proteins. Journal of the American Society for Mass Spectrometry, 2017, 28, 638-646.	2.8	15
40	Glycan Fingerprinting via Coldâ€Ion Infrared Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 11248-11251.	13.8	116
41	Ion mobility-mass spectrometry and orthogonal gas-phase techniques to study amyloid formation and inhibition. Current Opinion in Structural Biology, 2017, 46, 7-15.	5.7	31
42	FingerabdrÃ¼cke fÃ¼r Glykane durch Spektroskopie kalter Ionen. Angewandte Chemie, 2017, 129, 11400-11404.	2.0	16
43	Infrared spectrum and structure of the homochiral serine octamerâ€“dichloride complex. Nature Chemistry, 2017, 9, 1263-1268.	13.6	56
44	An infrared spectroscopy approach to follow Î²-sheet formation in peptide amyloid assemblies. Nature Chemistry, 2017, 9, 39-44.	13.6	163
45	Assessing the stability of alanine-based helices by conformer-selective IR spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 19950-19954.	2.8	13
46	Chargeâ€Induced Unzipping of Isolated Proteins to a Defined Secondary Structure. Angewandte Chemie - International Edition, 2016, 55, 3295-3299.	13.8	64
47	Ladungsinduziertes Entwinden isolierter Proteine zu einer definierten SekundÃrstruktur. Angewandte Chemie, 2016, 128, 3356-3360.	2.0	16
48	Titelbild: Ladungsinduziertes Entwinden isolierter Proteine zu einer definierten SekundÃrstruktur (Angew. Chem. 10/2016). Angewandte Chemie, 2016, 128, 3291-3291.	2.0	0
49	Retention of Native Protein Structures in the Absence of Solvent: A Coupled Ion Mobility and Spectroscopic Study. Angewandte Chemie - International Edition, 2016, 55, 14173-14176.	13.8	106
50	The impact of environment and resonance effects on the site of protonation of aminobenzoic acid derivatives. Physical Chemistry Chemical Physics, 2016, 18, 25474-25482.	2.8	66
51	Stacking Geometries of Early Protoporphyrin IX Aggregates Revealed by Gas-Phase Infrared Spectroscopy. Journal of the American Chemical Society, 2016, 138, 16315-16321.	13.7	29
52	Conformational Shift of a Î²â€Hairpin Peptide upon Complex Formation with an Oligoâ€“proline Peptide Studied by Mass Spectrometry. ChemistrySelect, 2016, 1, 3651-3656.	1.5	3
53	Gas-phase microsolvation of ubiquitin: investigation of crown ether complexation sites using ion mobility-mass spectrometry. Analyst, The, 2016, 141, 5502-5510.	3.5	19
54	Die Erhaltung nativer Proteinstrukturen unter Ausschluss von LÃ¶sungsmittel: eine Untersuchung mit Hilfe der Kombination von IonenmobilitÄt mit Spektroskopie. Angewandte Chemie, 2016, 128, 14380-14384.	2.0	3

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55	RÃ¼cktitelbild: Die Erhaltung nativer Proteinstrukturen unter Ausschluss von LÃ¶sungsmittel: eine Untersuchung mit Hilfe der Kombination von IonenmobilitÃt mit Spektroskopie (Angew. Chem. 45/2016). Angewandte Chemie, 2016, 128, 14386-14386.	2.0	0
56	Analyzing the higher order structure of proteins with conformerâ€selective ultraviolet photodissociation. Proteomics, 2015, 15, 2804-2812.	2.2	45
57	IR spectroscopy of protonated leu-enkephalin and its 18-crown-6 complex embedded in helium droplets. Physical Chemistry Chemical Physics, 2015, 17, 21902-21911.	2.8	49
58	Online monitoring the isomerization of an azobenzene-based dendritic bolaamphiphile using ion mobility-mass spectrometry. Chemical Communications, 2015, 51, 8801-8804.	4.1	25
59	Native like helices in a specially designed Î² peptide in the gas phase. Physical Chemistry Chemical Physics, 2015, 17, 5376-5385.	2.8	14
60	Protomers of Benzocaine: Solvent and Permittivity Dependence. Journal of the American Chemical Society, 2015, 137, 4236-4242.	13.7	172
61	The new IR and THz FEL facility at the Fritz Haber Institute in Berlin. Proceedings of SPIE, 2015, , .	0.8	86
62	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. Physical Chemistry Chemical Physics, 2015, 17, 7373-7385.	2.8	48
63	Photodissociation of Conformer-Selected Ubiquitin Ions Reveals Site-Specific Cis/Trans Isomerization of Proline Peptide Bonds. Journal of the American Chemical Society, 2014, 136, 10308-10314.	13.7	88
64	Is there a Beta-Peptide Equivalent of the Alpha-Helix?. Biophysical Journal, 2014, 106, 654a.	0.5	0
65	How Cations Change Peptide Structure. Chemistry - A European Journal, 2013, 19, 11224-11234.	3.3	36
66	Protein Structure in the Gas Phase: The Influence of Side-Chain Microsolvation. Journal of the American Chemical Society, 2013, 135, 1177-1180.	13.7	77
67	Structure of the Benzene Dimerâ€"Governed by Dynamics. Angewandte Chemie - International Edition, 2013, 52, 5180-5183.	13.8	64
68	Unraveling the internal dynamics of the benzene dimer: a combined theoretical and microwave spectroscopy study. Physical Chemistry Chemical Physics, 2013, 15, 10207-10223.	2.8	28
69	Stark Effect in the Benzene Dimer. Journal of Physical Chemistry A, 2013, 117, 13775-13778.	2.5	6
70	Photoexcitation of mass/charge selected hemin+, caught in helium nanodroplets. Physical Chemistry Chemical Physics, 2012, 14, 13370.	2.8	41
71	Local Conformational Preferences of Peptides Near Attached Cations: Structure Determination by First-Principles Theory and IR-Spectroscopy. Biophysical Journal, 2012, 102, 46a.	0.5	0
72	Internal Proton Transfer Leading to Stable Zwitterionic Structures in a Neutral Isolated Peptide. Angewandte Chemie - International Edition, 2010, 49, 2332-2335.	13.8	38

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73	Ferrimagnetic cagelike<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> Structure determination from infrared dissociation spectroscopy. Physical Review B, 2010, 82, .	3.2	38
74	Catching Proteins in Liquid Helium Droplets. Physical Review Letters, 2010, 105, 133402.	7.8	75
75	Intensity-resolved IR multiple photon ionization and fragmentation of C60. Journal of Chemical Physics, 2010, 132, 074305.	3.0	63
76	Secondary Structure of Ac-Ala_n-LysH⁺ Polyalanine Peptides (n =) Tj ETQq0 0 0 rgBT /Overlock 10	4.6	76
77	Amide-I and -II Vibrations of the Cyclic Î²-Sheet Model Peptide Gramicidin S in the Gas Phase. Journal of the American Chemical Society, 2010, 132, 2085-2093.	13.7	62
78	Vibrationâ€“rotation-tunneling states of the benzene dimer: an ab initio study. Physical Chemistry Chemical Physics, 2010, 12, 8219.	2.8	72
79	Conformations and vibrational spectra of a model tripeptide: change of secondary structure upon micro-solvation. Physical Chemistry Chemical Physics, 2010, 12, 3415.	2.8	32
80	Gas-phase IR spectra of intact Î±-helical coiled coil protein complexes. International Journal of Mass Spectrometry, 2009, 283, 161-168.	1.5	18
81	IR spectroscopy of gas-phase C60â^'. Physical Chemistry Chemical Physics, 2008, 10, 6862.	2.8	18
82	Mid-IRspectra of different conformers of phenylalanine in the gas phase. Physical Chemistry Chemical Physics, 2008, 10, 1248-1256.	2.8	53
83	Selector for Structural Isomers of Neutral Molecules. Physical Review Letters, 2008, 100, 133003.	7.8	97
84	The far-infrared spectra of neutral and cationic niobium clusters: Nb50â^•+ to Nb90â^•+. Journal of Chemical Physics, 2007, 127, 234306.	3.0	61
85	Stepwise Solvation of an Amino Acid:â€‰ The Appearance of Zwitterionic Structures. Journal of Physical Chemistry A, 2007, 111, 7309-7316.	2.5	123
86	Chapter 8 Vibrational spectroscopy of gas-phase clusters and complexes. Chemical Physics of Solid Surfaces, 2007, , 327-375.	0.3	37
87	The Mid-IR Spectra of 9-Ethyl Guanine, Guanosine, and 2-Deoxyguanosine. Journal of Physical Chemistry A, 2007, 111, 7529-7536.	2.5	44
88	Cold collisions catalyse conformational conversion. Physical Chemistry Chemical Physics, 2007, 9, 3786.	2.8	75
89	On the T-shaped structures of the benzene dimer. Chemical Physics Letters, 2007, 437, 277-283.	2.6	123
90	Complex systems in the gas phase. , 2007, , 153-256.		1

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91	Size and charge effects on the binding of CO to late transition metal clusters. Journal of Chemical Physics, 2006, 124, 194305.	3.0	108
92	An experimental value for the B1u Câ€“H stretch mode in benzene. Journal of Chemical Physics, 2006, 124, 171101.	3.0	66
93	Mid-Infrared Spectroscopy of Protected Peptides in the Gas Phase:Â A Probe of the Backbone Conformation. Journal of the American Chemical Society, 2006, 128, 3592-3597.	13.7	66
94	Infrared Spectroscopy of Phenylalanine Ag(I) and Zn(II) Complexes in the Gas Phase. Journal of the American Chemical Society, 2006, 128, 517-525.	13.7	233
95	Velocity distribution of CO desorbing from NiO(100)/Ni(100) after picosecond UV laser irradiation. Chemical Physics Letters, 2006, 420, 110-114.	2.6	9
96	Gas-phase infrared multiple photon dissociation spectroscopy of mass-selected molecular ions. International Journal of Mass Spectrometry, 2006, 254, 1-19.	1.5	488
97	An infrared spectroscopic study of protonated and cationic indazole. International Journal of Mass Spectrometry, 2006, 249-250, 199-205.	1.5	24
98	Resonant infrared laser-induced desorption of methane condensed on NaCl(100): Isotope mixture experiments. Journal of Chemical Physics, 2006, 124, 044704.	3.0	19
99	Infrared multiphoton ionization of superhot C60: Experiment and model calculations. Journal of Chemical Physics, 2006, 124, 184312.	3.0	10
100	Far-Infrared spectroscopy of isolated transition metal clusters. European Physical Journal D, 2005, 34, 83-88.	1.3	74
101	Vibrational spectroscopy of a non-aromatic amino acid-based model peptide: identification of the Î³-turn motif of the peptide backbone. Physical Chemistry Chemical Physics, 2005, 7, 13-15.	2.8	50
102	Folding Structures of Isolated Peptides as Revealed by Gas-Phase Mid-Infrared Spectroscopy. ChemPhysChem, 2005, 6, 120-128.	2.1	100
103	Secondary structures of short peptide chains in the gas phase:â€ƒ Double resonance spectroscopy of protected dipeptides. Journal of Chemical Physics, 2005, 122, 054317.	3.0	71
104	Isomer selective infrared spectroscopy of neutral metal clusters. Journal of Chemical Physics, 2005, 122, 091105.	3.0	53
105	Structure determination of small vanadium clusters by density-functional theory in comparison with experimental far-infrared spectra. Journal of Chemical Physics, 2005, 122, 124302.	3.0	74
106	Free electron laser-Fourier transform ion cyclotron resonance mass spectrometry facility for obtaining infrared multiphoton dissociation spectra of gaseous ions. Review of Scientific Instruments, 2005, 76, 023103.	1.3	287
107	Charge-state resolved mid-infrared spectroscopy of a gas-phase protein. Physical Chemistry Chemical Physics, 2005, 7, 1345.	2.8	160
108	The Gas-Phase Dipeptide Analogue Acetyl-phenylalanyl-amide:Â A Model for the Study of Side Chain/Backbone Interactions in Proteins. Journal of Physical Chemistry A, 2005, 109, 5281-5288.	2.5	60

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109	Infrared Fingerprint Spectroscopy and Theoretical Studies of Potassium Ion Tagged Amino Acids and Peptides in the Gas Phase. Journal of the American Chemical Society, 2005, 127, 8571-8579.	13.7	141
110	Spectroscopic Evidence for Gas-Phase Formation of Successive Î²-Turns in a Three-Residue Peptide Chain. Journal of the American Chemical Society, 2005, 127, 1388-1389.	13.7	63
111	Infrared Spectroscopy of Gas-Phase Cr+Coordination Complexes:Â Determination of Binding Sites and Electronic States. Journal of the American Chemical Society, 2005, 127, 7243-7254.	13.7	95
112	Gold Cluster Carbonyls:Â Vibrational Spectroscopy of the Anions and the Effects of Cluster Size, Charge, and Coverage on the CO Stretching Frequency. Journal of Physical Chemistry B, 2005, 109, 23935-23940.	2.6	109
113	Direct observation of size dependent activation of NO on gold clusters. Physical Chemistry Chemical Physics, 2005, 7, 3906.	2.8	42
114	Gold Cluster Carbonyls:Â Saturated Adsorption of CO on Gold Cluster Cations, Vibrational Spectroscopy, and Implications for Their Structures. Journal of the American Chemical Society, 2005, 127, 8416-8423.	13.7	172
115	Anharmonic midinfrared vibrational spectra of benzoic acid monomer and dimer. Journal of Chemical Physics, 2005, 123, 014305.	3.0	60
116	Experimental study of gas phase titanium and aluminum oxide clusters. Astronomy and Astrophysics, 2004, 420, 547-552.	5.1	54
117	Infrared multiple photon dynamics and spectroscopy of cationic PABA and its dehydroxylated fragment ion. Physical Chemistry Chemical Physics, 2004, 6, 710.	2.8	57
118	Probing the Vibrations of Shared, OH+O-Bound Protons in the Gas Phase. ChemPhysChem, 2004, 5, 740-743.	2.1	100
119	Infrared spectroscopy of water adsorption on vanadium cluster cations (Vx+; x=3â€“18). Chemical Physics Letters, 2004, 392, 409-414.	2.6	26
120	Hydrated complexes of tryptophan: ion dip infrared spectroscopy in the â€˜molecular fingerprintâ€™ region, 100â€“2000 cmâ”1. Physical Chemistry Chemical Physics, 2004, 6, 4546-4552.	2.8	78
121	The mid-IR absorption spectrum of gas-phase clusters of the nucleobases guanine and cytosine. Physical Chemistry Chemical Physics, 2004, 6, 2810-2815.	2.8	72
122	Structure Determination of Isolated Metal Clusters via Far-Infrared Spectroscopy. Physical Review Letters, 2004, 93, 023401.	7.8	161
123	The Site of Cr+Attachment to Gas-Phase Aniline from Infrared Spectroscopy. Journal of the American Chemical Society, 2004, 126, 724-725.	13.7	93
124	Infrared Photodissociation Spectroscopy of the Benzoic Acid Radical Cation in a Quadrupole Trap. Journal of Physical Chemistry A, 2004, 108, 8273-8278.	2.5	26
125	Probing the Glycosidic Linkage:Â UV and IR Ion-Dip Spectroscopy of a Lactoside. Journal of the American Chemical Society, 2004, 126, 5709-5714.	13.7	72
126	Size and Charge Effects on the Binding of CO to Small Isolated Rhodium Clustersâ€. Journal of Physical Chemistry B, 2004, 108, 14591-14598.	2.6	105

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127	Gas-Phase IR Spectroscopy of Anionic Iron Carbonyl Clusters. Journal of the American Chemical Society, 2004, 126, 14726-14727.	13.7	79
128	Vibrational Spectroscopy and Density Functional Theory of Transition-Metal Ionâ^'Benzene and Dibenzene Complexes in the Gas Phase. Journal of the American Chemical Society, 2004, 126, 10981-10991.	13.7	157
129	Infrared multiple photon dissociation spectroscopy of transition metal oxide cluster cations. European Physical Journal D, 2003, 24, 69-72.	1.3	59
130	The infrared spectrum of the benzoyl cation. Chemical Physics Letters, 2003, 367, 576-580.	2.6	23
131	Infrared gas phase absorption spectra of neutral and cationic tolueneâ€“argon complexes. Chemical Physics Letters, 2003, 371, 469-475.	2.6	2
132	FELICEâ€"the free electron laser for intra-cavity experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 494-497.	1.6	12
133	FEL induced dynamics of small molecules on surfaces: N2O on NaCl(100). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 556-560.	1.6	7
134	Infrared Spectroscopy of Niobium Oxide Cluster Cations in a Molecular Beam:Â Identifying the Cluster Structures. Journal of the American Chemical Society, 2003, 125, 3659-3667.	13.7	98
135	Vibrational Spectroscopy of CO in Gas-Phase Rhodium Clusterâ^'CO Complexes. Journal of the American Chemical Society, 2003, 125, 11184-11185.	13.7	53
136	Resonant Ionization Using IR Light:â€‰ A New Tool To Study the Spectroscopy and Dynamics of Gas-Phase Molecules and Clusters. Journal of Physical Chemistry A, 2003, 107, 1671-1688.	2.5	117
137	Vibrational and Electronic Spectroscopy of Acenaphthylene and Its Cation. Journal of Physical Chemistry A, 2003, 107, 782-793.	2.5	43
138	Infrared Spectroscopy of Neutral C7H7Isomers:Â Benzyl and Tropyl. Journal of the American Chemical Society, 2003, 125, 15714-15715.	13.7	28
139	Structure determination of gas phase aluminum oxide clusters. Physical Chemistry Chemical Physics, 2003, 5, 2515.	2.8	59
140	Fingerprint IR Spectroscopy to Probe Amino Acid Conformations in the Gas Phase. Physical Review Letters, 2003, 91, 203003.	7.8	128
141	Probing a strong hydrogen bond with infrared spectroscopy: Vibrational predissociation of BrHBrâ^'â‹…Ar. Journal of Chemical Physics, 2003, 118, 5275-5278.	3.0	48
142	The infrared absorption spectrum of the gas phase neutral benzoic acid monomer and dimer. Journal of Chemical Physics, 2003, 119, 11180-11185.	3.0	73
143	Atomic clusters of magnetic oxides: Structure and phonons. Journal of Applied Physics, 2003, 93, 7379-7381.	2.5	13
144	The Structures of Vanadium Oxide Clusterâ^'Ethene Complexes. A Combined IR Multiple Photon Dissociation Spectroscopy and DFT Calculation Study. Journal of the American Chemical Society, 2003, 125, 15716-15717.	13.7	57

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145	Laboratory Infrared Spectroscopy of Cationic Polycyclic Aromatic Hydrocarbon Molecules. Astrophysical Journal, 2003, 591, 968-985.	4.5	229
146	FEL induced dynamics of small molecules on surfaces: N2O on NaCl(100). , 2003, , 556-560.		1
147	Structure Determination of Gas-Phase Niobium and Tantalum Carbide Nanocrystals via Infrared Spectroscopy. Physical Review Letters, 2002, 89, 013401.	7.8	26
148	Infrared resonance-enhanced multiphoton ionization spectroscopy of magnesium oxide clusters. Journal of Chemical Physics, 2002, 116, 2400-2406.	3.0	38
149	Infrared Spectra of Gas-Phase V+â^'(Benzene) and V+â^'(Benzene)2 Complexes. Journal of the American Chemical Society, 2002, 124, 1562-1563.	13.7	104
150	Resonant infrared laser-induced desorption of CD3F condensed on NaCl(100). Physical Chemistry Chemical Physics, 2002, 4, 3448-3452.	2.8	7
151	Mass-selected infrared photodissociation spectroscopy of V4O10+. Physical Chemistry Chemical Physics, 2002, 4, 1101-1104.	2.8	145
152	Infrared photodissociation spectroscopy of benzeneâ€“Ne,Ar complex cations. Physical Chemistry Chemical Physics, 2002, 4, 24-33.	2.8	42
153	Gas phase infrared spectroscopy of cluster anions as a function of size: The effect of solvation on hydrogen-bonding in Brâ^'â‹…(HBr)1,2,3 clusters. Journal of Chemical Physics, 2002, 117, 6493-6499.	3.0	37
154	Infrared laser-induced desorption of N2O condensed on NaCl(). Surface Science, 2002, 502-503, 325-330.	1.9	14
155	Experimental observation of laser-induced coherent ion motion in a quadrupole trap. International Journal of Mass Spectrometry, 2002, 221, 163-176.	1.5	6
156	IR multiphoton depletion spectroscopy of metal clusterâ€“ligand complexes. Chemical Physics Letters, 2002, 357, 195-203.	2.6	31
157	Vibrational lifetimes of anilineâ€“noble gas complexes. Chemical Physics Letters, 2002, 359, 163-168.	2.6	11
158	The infrared spectrum of Al+â€“benzene in the gas phase. Chemical Physics Letters, 2002, 364, 345-351.	2.6	39
159	Gas Phase Infrared Spectroscopy of Cationic Indane, Acenaphthene, Fluorene, and Fluoranthene. Journal of Physical Chemistry A, 2001, 105, 8302-8309.	2.5	79
160	Gas-Phase Infrared Spectrum of the Coronene Cation. Astrophysical Journal, 2001, 560, L99-L103.	4.5	64
161	Vibrational spectroscopy of gas-phase neutral and cationic phenanthrene in their electronic groundstates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 717-735.	3.9	38
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