

Gerard Meijer

List of Publications by Year in descending order

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465
papers

29,140
citations

4388

86
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8866

145
g-index

494
all docs

494
docs citations

494
times ranked

13300
citing authors

#	ARTICLE	IF	CITATIONS
1	Cavity ring-down spectroscopy: Experimental schemes and applications. <i>International Reviews in Physical Chemistry</i> , 2000, 19, 565-607.	2.3	838
2	Vibrational Raman and infrared spectra of chromatographically separated C60 and C70 fullerene clusters. <i>Chemical Physics Letters</i> , 1991, 179, 181-186.	2.6	649
3	CO Oxidation as a Prototypical Reaction for Heterogeneous Processes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10064-10094.	13.8	639
4	Decelerating Neutral Dipolar Molecules. <i>Physical Review Letters</i> , 1999, 83, 1558-1561.	7.8	597
5	Structures of Neutral Au ₇ , Au ₁₉ , and Au ₂₀ Clusters in the Gas Phase. <i>Science</i> , 2008, 321, 674-676.	12.6	596
6	Gas-phase infrared multiple photon dissociation spectroscopy of mass-selected molecular ions. <i>International Journal of Mass Spectrometry</i> , 2006, 254, 1-19.	1.5	488
7	Carbon-13 NMR study of the C60 cluster in the solid state: molecular motion and carbon chemical shift anisotropy. <i>The Journal of Physical Chemistry</i> , 1991, 95, 9-10.	2.9	458
8	Electrostatic trapping of ammonia molecules. <i>Nature</i> , 2000, 406, 491-494.	27.8	449
9	NMR determination of the bond lengths in C60. <i>Journal of the American Chemical Society</i> , 1991, 113, 3190-3192.	13.7	405
10	The vibrational Raman spectra of purified solid films of C60 and C70. <i>Chemical Physics Letters</i> , 1990, 174, 219-222.	2.6	358
11	Photoelectron angular distributions from strong-field ionization of oriented molecules. <i>Nature Physics</i> , 2010, 6, 428-432.	16.7	349
12	Cavity enhanced absorption and cavity enhanced magnetic rotation spectroscopy. <i>Review of Scientific Instruments</i> , 1998, 69, 3763-3769.	1.3	318
13	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> , 2005, 76, 023103.	1.3	287
14	Laser-Induced Alignment and Orientation of Quantum-State-Selected Large Molecules. <i>Physical Review Letters</i> , 2009, 102, 023001.	7.8	283
15	Manipulation and Control of Molecular Beams. <i>Chemical Reviews</i> , 2012, 112, 4828-4878.	47.7	275
16	Imaging C60 clusters on a surface using a scanning tunnelling microscope. <i>Nature</i> , 1990, 348, 621-622.	27.8	259
17	C60 has icosahedral symmetry. <i>Journal of the American Chemical Society</i> , 1990, 112, 8983-8984.	13.7	242
18	Infrared Spectroscopy of Phenylalanine Ag(I) and Zn(II) Complexes in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2006, 128, 517-525.	13.7	233

#	ARTICLE	IF	CITATIONS
19	Laboratory Infrared Spectroscopy of Cationic Polycyclic Aromatic Hydrocarbon Molecules. <i>Astrophysical Journal</i> , 2003, 591, 968-985.	4.5	229
20	Laser-induced fluorescence with tunable excimer lasers as a possible method for instantaneous temperature field measurements at high pressures: checks with an atmospheric flame. <i>Applied Optics</i> , 1988, 27, 365.	2.1	222
21	X-Ray Diffraction from Isolated and Strongly Aligned Gas-Phase Molecules with a Free-Electron Laser. <i>Physical Review Letters</i> , 2014, 112, .	7.8	217
22	Near-Threshold Inelastic Collisions Using Molecular Beams with a Tunable Velocity. <i>Science</i> , 2006, 313, 1617-1620.	12.6	213
23	Production and application of translationally cold molecules. <i>International Reviews in Physical Chemistry</i> , 2003, 22, 73-128.	2.3	212
24	Taming molecular beams. <i>Nature Physics</i> , 2008, 4, 595-602.	16.7	211
25	Infrared Spectroscopy of the Microhydrated Nitrate Ions $\text{NO}_3^-(\text{H}_2\text{O})_6$. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7584-7592.	2.5	209
26	Deceleration and trapping of ammonia using time-varying electric fields. <i>Physical Review A</i> , 2002, 65, .	2.5	205
27	The structure of different phases of pure C70 crystals. <i>Chemical Physics</i> , 1992, 166, 287-297.	1.9	195
28	Deceleration and Electrostatic Trapping of OH Radicals. <i>Physical Review Letters</i> , 2005, 94, 023004.	7.8	194
29	Water at charged interfaces. <i>Nature Reviews Chemistry</i> , 2021, 5, 466-485.	30.2	186
30	Phase shift cavity ring down absorption spectroscopy. <i>Chemical Physics Letters</i> , 1996, 262, 105-109.	2.6	172
31	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> , 2005, 127, 8416-8423.	13.7	172
32	Gas-Phase Infrared Photodissociation Spectroscopy of Cationic Polyaromatic Hydrocarbons. <i>Astrophysical Journal</i> , 2000, 542, 404-410.	4.5	170
33	Trace gas detection with cavity ring down spectroscopy. <i>Review of Scientific Instruments</i> , 1995, 66, 2821-2828.	1.3	169
34	Laser desorption jet-cooling of organic molecules. <i>Applied Physics B: Lasers and Optics</i> , 1990, 51, 395-403.	2.2	168
35	Fluorescence imaging inside an internal combustion engine using tunable excimer lasers. <i>Applied Optics</i> , 1990, 29, 2392.	2.1	165
36	Slowing Heavy, Ground-State Molecules using an Alternating Gradient Decelerator. <i>Physical Review Letters</i> , 2004, 92, 173002.	7.8	163

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37	Decelerated molecular beams for high-resolution spectroscopy. <i>European Physical Journal D</i> , 2004, 31, 337-349.	1.3	163
38	Structure Determination of Isolated Metal Clusters via Far-Infrared Spectroscopy. <i>Physical Review Letters</i> , 2004, 93, 023401.	7.8	161
39	Charge-state resolved mid-infrared spectroscopy of a gas-phase protein. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1345.	2.8	160
40	Coherent cavity ring down spectroscopy. <i>Chemical Physics Letters</i> , 1994, 217, 112-116.	2.6	159
41	Vibrational Spectroscopy and Density Functional Theory of Transition-Metal Ion π -Benzene and Dibenzene Complexes in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2004, 126, 10981-10991.	13.7	157
42	2D Nuclear magnetic resonance study of the structure of the fullerene C70. <i>Journal of the American Chemical Society</i> , 1991, 113, 3619-3621.	13.7	149
43	A prototype storage ring for neutral molecules. <i>Nature</i> , 2001, 411, 174-176.	27.8	149
44	Infrared Spectroscopy of Hydrated Bicarbonate Anion Clusters: $\text{HCO}_3^{\cdot-}(\text{H}_2\text{O})_{10}$. <i>Journal of the American Chemical Society</i> , 2010, 132, 849-856.	13.7	146
45	Mass-selected infrared photodissociation spectroscopy of $\text{V}_4\text{O}_{10}^+$. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1101-1104.	2.8	145
46	Phase Space Manipulation of Cold Free Radical OH Molecules. <i>Physical Review Letters</i> , 2003, 91, 243001.	7.8	143
47	Trapping Neutral Molecules in a Traveling Potential Well. <i>Physical Review Letters</i> , 2000, 84, 5744-5747.	7.8	141
48	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> , 2005, 127, 8571-8579.	13.7	141
49	Quantum-state selection, alignment, and orientation of large molecules using static electric and laser fields. <i>Journal of Chemical Physics</i> , 2009, 131, 064309.	3.0	139
50	Titanium Carbide Nanocrystals in Circumstellar Environments. <i>Science</i> , 2000, 288, 313-316.	12.6	135
51	Fingerprint IR Spectroscopy to Probe Amino Acid Conformations in the Gas Phase. <i>Physical Review Letters</i> , 2003, 91, 203003.	7.8	128
52	Unfilled orbitals of C60 and C70 from carbon K-shell X-ray absorption fine structure. <i>Chemical Physics Letters</i> , 1991, 182, 491-496.	2.6	124
53	Stepwise Solvation of an Amino Acid: The Appearance of Zwitterionic Structures. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7309-7316.	2.5	123
54	Laser deposition of carbon clusters on surfaces: A new approach to the study of Fullerenes. <i>Journal of Chemical Physics</i> , 1990, 93, 7800-7802.	3.0	122

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55	ac Electric Trap for Ground-State Molecules. <i>Physical Review Letters</i> , 2005, 94, 083001.	7.8	118
56	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> , 2003, 107, 1671-1688.	2.5	117
57	Quantum-State Resolved Bimolecular Collisions of Velocity-Controlled OH with NO Radicals. <i>Science</i> , 2012, 338, 1060-1063.	12.6	114
58	Unexpected Structures of Aluminum Oxide Clusters in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3372-3375.	13.8	113
59	Raman scattering in single crystal C60. <i>Chemical Physics Letters</i> , 1992, 198, 587-595.	2.6	112
60	Infrared spectroscopy of hydrated sulfate dianions. <i>Journal of Chemical Physics</i> , 2006, 125, 111102.	3.0	112
61	Gas phase infrared spectroscopy of mono- and divanadium oxide cluster cations. <i>Journal of Chemical Physics</i> , 2004, 120, 6461-6470.	3.0	110
62	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> , 2005, 109, 23935-23940.	2.6	109
63	Rotational ordering transition in single-crystal C60 studied by Raman spectroscopy. <i>Physical Review Letters</i> , 1992, 68, 1176-1179.	7.8	108
64	Size and charge effects on the binding of CO to late transition metal clusters. <i>Journal of Chemical Physics</i> , 2006, 124, 194305.	3.0	108
65	Infrared spectroscopy of jet-cooled neutral and ionized aniline-Ar. <i>Journal of Chemical Physics</i> , 1999, 110, 2010-2015.	3.0	107
66	Vibrational Spectroscopy of Gas-Phase Metal-Carbide Clusters and Nanocrystals. <i>Physical Review Letters</i> , 1999, 83, 4983-4986.	7.8	107
67	Alternate Gradient Focusing and Deceleration of a Molecular Beam. <i>Physical Review Letters</i> , 2002, 88, 133003.	7.8	107
68	Size and Charge Effects on the Binding of CO to Small Isolated Rhodium Clusters. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14591-14598.	2.6	105
69	Infrared Spectra of Gas-Phase V+(Benzene) and V+(Benzene)2 Complexes. <i>Journal of the American Chemical Society</i> , 2002, 124, 1562-1563.	13.7	104
70	The adsorption of CO on transition metal clusters: A case study of cluster surface chemistry. <i>Surface Science</i> , 2009, 603, 1427-1433.	1.9	103
71	Activation of Molecular Oxygen by Anionic Gold Clusters. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4444-4447.	13.8	101
72	Probing the Vibrations of Shared, OH+O-Bound Protons in the Gas Phase. <i>ChemPhysChem</i> , 2004, 5, 740-743.	2.1	100

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73	Folding Structures of Isolated Peptides as Revealed by Gas-Phase Mid-Infrared Spectroscopy. ChemPhysChem, 2005, 6, 120-128.	2.1	100
74	Messenger-Tagging Electrosprayed Ions: Vibrational Spectroscopy of Suberate Dianions. Journal of Physical Chemistry A, 2009, 113, 5874-5880.	2.5	100
75	Structure determination of neutral MgO clustersâ€™hexagonal nanotubes and cages. Physical Chemistry Chemical Physics, 2012, 14, 2849.	2.8	100
76	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
77	Selector for Structural Isomers of Neutral Molecules. Physical Review Letters, 2008, 100, 133003.	7.8	97
78	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
79	Shedding New Light on Thermionic Electron Emission of Fullerenes. Physical Review Letters, 1998, 81, 1825-1828.	7.8	94
80	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
81	Direct Measurement of the Radiative Lifetime of Vibrationally Excited OH Radicals. Physical Review Letters, 2005, 95, 013003.	7.8	93
82	The radiative lifetime of metastable CO ($a\hat{3}, v=$). Journal of Chemical Physics, 2007, 127, 221102.	3.0	93
83	The adsorption of CO on group 10 (Ni, Pd, Pt) transition-metal clusters. Physical Chemistry Chemical Physics, 2008, 10, 6144.	2.8	92
84	Cold Molecules: Preparation, Applications, and Challenges. Angewandte Chemie - International Edition, 2009, 48, 6010-6031.	13.8	92
85	Laser-induced 3D alignment and orientation of quantum state-selected molecules. Physical Chemistry Chemical Physics, 2009, 11, 9912.	2.8	91
86	Structures of Silicon Cluster Cations in the Gas Phase. Journal of the American Chemical Society, 2009, 131, 1115-1121.	13.7	90
87	Trapping Molecules on a Chip. Science, 2009, 324, 1699-1702.	12.6	89
88	Deceleration of neutral molecules in macroscopic traveling traps. Physical Review A, 2010, 81, .	2.5	88
89	Infrared Spectroscopy of Hydrated Bisulfate Anion Clusters: $\text{HSO}_4^- (\text{H}_2\text{O})_{16}$. Journal of Physical Chemistry Letters, 2011, 2, 2135-2140.	4.6	87
90	Growth and morphology of C60 crystals. Chemical Physics Letters, 1992, 191, 339-344.	2.6	86

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91	Argon Physisorption as Structural Probe for Endohedrally Doped Silicon Clusters. <i>Physical Review Letters</i> , 2007, 99, 063401.	7.8	85
92	A Fourier transform cavity ring down spectrometer. <i>Review of Scientific Instruments</i> , 1996, 67, 2708-2713.	1.3	82
93	On the fluorescence of crystalline C60 at 1.2 K. <i>Chemical Physics Letters</i> , 1995, 233, 284-290.	2.6	81
94	Gas phase vibrational spectroscopy of mass-selected vanadium oxide anions. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 3992.	2.8	81
95	New orientationally ordered low-temperature superstructure in high-purity C60. <i>Physical Review Letters</i> , 1992, 69, 1065-1068.	7.8	80
96	Gas Phase Infrared Spectroscopy of Cationic Indane, Acenaphthene, Fluorene, and Fluoranthene. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8302-8309.	2.5	79
97	Gas-Phase IR Spectroscopy of Anionic Iron Carbonyl Clusters. <i>Journal of the American Chemical Society</i> , 2004, 126, 14726-14727.	13.7	79
98	H ₂ Adsorption on 3d Transition Metal Clusters: A Combined Infrared Spectroscopy and Density Functional Study. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1139-1149.	2.5	79
99	Hydrated complexes of tryptophan: ion dip infrared spectroscopy in the "molecular fingerprint" region, 100-2000 cm ⁻¹ . <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4546-4552.	2.8	78
100	STARK DECELERATION AND TRAPPING OF OH RADICALS. <i>Annual Review of Physical Chemistry</i> , 2006, 57, 159-190.	10.8	78
101	Infrared Resonance Enhanced Multiphoton Ionization of Fullerenes. <i>Physical Review Letters</i> , 1997, 79, 5234-5237.	7.8	76
102	Optical Pumping of Trapped Neutral Molecules by Blackbody Radiation. <i>Physical Review Letters</i> , 2007, 98, 133001.	7.8	76
103	Secondary Structure of Ac-Ala _n -Lys ⁺ Polyalanine Peptides (n = 1-14). <i>Biophysical Journal</i> , 2007, 92, 1078-1114.	4.6	76
104	Remote Participation during Glycosylation Reactions of Galactose Building Blocks: Direct Evidence from Cryogenic Vibrational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6166-6171.	13.8	76
105	Cold collisions catalyse conformational conversion. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3786.	2.8	75
106	Catching Proteins in Liquid Helium Droplets. <i>Physical Review Letters</i> , 2010, 105, 133402.	7.8	75
107	Ionization of oriented carbonyl sulfide molecules by intense circularly polarized laser pulses. <i>Physical Review A</i> , 2011, 83, .	2.5	75
108	Far-Infrared spectroscopy of isolated transition metal clusters. <i>European Physical Journal D</i> , 2005, 34, 83-88.	1.3	74

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109	Structure determination of small vanadium clusters by density-functional theory in comparison with experimental far-infrared spectra. <i>Journal of Chemical Physics</i> , 2005, 122, 124302.	3.0	74
110	Sensitive quantum state selective detection of H ₂ O and D ₂ O by (2+1) π -resonance enhanced multiphoton ionization. <i>Journal of Chemical Physics</i> , 1986, 85, 6914-6922.	3.0	73
111	Polarization dependent cavity ring down spectroscopy. <i>Journal of Chemical Physics</i> , 1997, 107, 4458-4467.	3.0	73
112	Open-path trace gas detection of ammonia based on cavity-enhanced absorption spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 231-236.	2.2	73
113	The infrared absorption spectrum of the gas phase neutral benzoic acid monomer and dimer. <i>Journal of Chemical Physics</i> , 2003, 119, 11180-11185.	3.0	73
114	Pure Samples of Individual Conformers: The Separation of Stereoisomers of Complex Molecules Using Electric Fields. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6900-6902.	13.8	73
115	Structural phase transitions in C ₇₀ . <i>Europhysics Letters</i> , 1993, 21, 329-334.	2.0	72
116	The mid-IR absorption spectrum of gas-phase clusters of the nucleobases guanine and cytosine. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2810-2815.	2.8	72
117	Probing the Glycosidic Linkage: UV and IR Ion-Dip Spectroscopy of a Lactoside. <i>Journal of the American Chemical Society</i> , 2004, 126, 5709-5714.	13.7	72
118	Infrared Induced Reactivity on the Surface of Isolated Size-Selected Clusters: Dissociation of N ₂ O on Rhodium Clusters. <i>Journal of the American Chemical Society</i> , 2010, 132, 1448-1449.	13.7	72
119	Vibrational rotation-tunneling states of the benzene dimer: an ab initio study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8219.	2.8	72
120	Secondary structures of short peptide chains in the gas phase: Double resonance spectroscopy of protected dipeptides. <i>Journal of Chemical Physics</i> , 2005, 122, 054317.	3.0	71
121	Vibrational spectroscopy of neutral silicon clusters via far-IR-VUV two color ionization. <i>Journal of Chemical Physics</i> , 2009, 131, 171105.	3.0	71
122	The infrared spectrum of the benzene-Ar cation. <i>Journal of Chemical Physics</i> , 1999, 111, 10750-10753.	3.0	70
123	Longitudinal Focusing and Cooling of a Molecular Beam. <i>Physical Review Letters</i> , 2002, 89, 093004.	7.8	70
124	Probing the structures of gas-phase rhodium cluster cations by far-infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2010, 133, 214304.	3.0	70
125	Phosphorescence of C ₆₀ at 1.2 K. <i>Chemical Physics Letters</i> , 1994, 231, 111-118.	2.6	69
126	State- and conformer-selected beams of aligned and oriented molecules for ultrafast diffraction studies. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2076-2087.	2.8	69

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127	Triplet excitation of C60 and the structure of the crystal at 1.2 K. <i>Chemical Physics Letters</i> , 1992, 197, 314-318.	2.6	68
128	Activated Methane on Small Cationic Platinum Clusters. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 817-819.	13.8	68
129	Charge Separation Promoted Activation of Molecular Oxygen by Neutral Gold Clusters. <i>Journal of the American Chemical Society</i> , 2013, 135, 1727-1730.	13.7	68
130	Infrared Spectroscopy of Jet-cooled Cationic Polyaromatic Hydrocarbons: Naphthalene[TSUP]+/[TSUP]. <i>Astrophysical Journal</i> , 1999, 520, L75-L78.	4.5	67
131	Structural Diversity and Flexibility of MgO Gas-Phase Clusters. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1716-1719.	13.8	67
132	Accumulating NH radicals in a magnetic trap. <i>Physical Review A</i> , 2001, 64, .	2.5	66
133	An experimental value for the B1u C-H stretch mode in benzene. <i>Journal of Chemical Physics</i> , 2006, 124, 171101.	3.0	66
134	Mid-Infrared Spectroscopy of Protected Peptides in the Gas Phase: A Probe of the Backbone Conformation. <i>Journal of the American Chemical Society</i> , 2006, 128, 3592-3597.	13.7	66
135	Prospects for precision measurements on ammonia molecules in a fountain. <i>European Physical Journal: Special Topics</i> , 2008, 163, 55-69.	2.6	66
136	Ionization of one- and three-dimensionally-oriented asymmetric-top molecules by intense circularly polarized femtosecond laser pulses. <i>Physical Review A</i> , 2011, 83, .	2.5	66
137	Branch intensities and oscillator strengths for the Herzberg absorption systems in oxygen. <i>Canadian Journal of Physics</i> , 1994, 72, 1109-1121.	1.1	64
138	Gas-Phase Infrared Spectrum of the Coronene Cation. <i>Astrophysical Journal</i> , 2001, 560, L99-L103.	4.5	64
139	Alternating gradient focusing and deceleration of polar molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, R263-R291.	1.5	64
140	Trapping Molecules on a Chip in Traveling Potential Wells. <i>Physical Review Letters</i> , 2008, 100, 153003.	7.8	64
141	Structure of the Benzene Dimer Governed by Dynamics. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5180-5183.	13.8	64
142	N ₂ Activation by Neutral Ruthenium Clusters. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12153-12158.	3.1	64
143	Mass spectroscopic confirmation of the presence of C60 in laboratory-produced carbon dust. <i>Chemical Physics Letters</i> , 1990, 175, 1-2.	2.6	63
144	Spectroscopic Evidence for Gas-Phase Formation of Successive β -Turns in a Three-Residue Peptide Chain. <i>Journal of the American Chemical Society</i> , 2005, 127, 1388-1389.	13.7	63

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145	Intensity-resolved IR multiple photon ionization and fragmentation of C60. Journal of Chemical Physics, 2010, 132, 074305.	3.0	63
146	Infrared spectroscopy of gas-phase zirconium oxide clusters. Chemical Physics, 2000, 262, 31-39.	1.9	62
147	Amide-I and -II Vibrations of the Cyclic β -Sheet Model Peptide Gramicidin S in the Gas Phase. Journal of the American Chemical Society, 2010, 132, 2085-2093.	13.7	62
148	Gas-Phase Vibrational Spectroscopy of Microhydrated Magnesium Nitrate Ions $[\text{MgNO}_3(\text{H}_2\text{O})_4]^+$. Journal of the American Chemical Society, 2010, 132, 7398-7404.	13.7	62
149	The far-infrared spectra of neutral and cationic niobium clusters: Nb_{50}^{++} to Nb_{90}^{++} . Journal of Chemical Physics, 2007, 127, 234306.	3.0	61
150	The Gas-Phase Dipeptide Analogue Acetyl-phenylalanyl-amide: A Model for the Study of Side Chain/Backbone Interactions in Proteins. Journal of Physical Chemistry A, 2005, 109, 5281-5288.	2.5	60
151	Anharmonic midinfrared vibrational spectra of benzoic acid monomer and dimer. Journal of Chemical Physics, 2005, 123, 014305.	3.0	60
152	Unravelling the structure of glycosyl cations via cold-ion infrared spectroscopy. Nature Communications, 2018, 9, 4174.	12.8	60
153	Infrared multiple photon dissociation spectroscopy of transition metal oxide cluster cations. European Physical Journal D, 2003, 24, 69-72.	1.3	59
154	Structure determination of gas phase aluminum oxide clusters. Physical Chemistry Chemical Physics, 2003, 5, 2515.	2.8	59
155	Transverse stability in a Stark decelerator. Physical Review A, 2006, 73, .	2.5	59
156	Electrostatic trapping of metastable NH molecules. Physical Review A, 2007, 76, .	2.5	59
157	Lattice vibrations in crystalline C70. Physical Review B, 1993, 47, 7610-7613.	3.2	58
158	Alternating-gradient focusing and deceleration of large molecules. Physical Review A, 2008, 77, .	2.5	58
159	Hexagonal close-packed C60. Chemical Physics Letters, 1994, 219, 469-472.	2.6	57
160	Lowest Excited Singlet State of C60: A Vibronic Analysis of the Fluorescence. The Journal of Physical Chemistry, 1995, 99, 11644-11649.	2.9	57
161	The Structures of Vanadium Oxide Cluster-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
162	Infrared multiple photon dynamics and spectroscopy of cationic PABA and its dehydroxylated fragment ion. Physical Chemistry Chemical Physics, 2004, 6, 710.	2.8	57

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163	Isomorphous Substitution in Bimetallic Oxide Clusters. <i>Physical Review Letters</i> , 2006, 96, 233401.	7.8	57
164	State-to-state inelastic scattering of Stark-decelerated OH radicals with Ar atoms. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10660.	2.8	57
165	Infrared-Induced Reactivity of N ₂ O on Small Gas-Phase Rhodium Clusters. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2489-2497.	2.5	57
166	High-sensitivity detection of NO in a flame using a tunable ArF laser. <i>Optics Letters</i> , 1988, 13, 910.	3.3	56
167	Low-temperature structure of solid C70. <i>Chemical Physics Letters</i> , 1994, 223, 323-328.	2.6	56
168	Cavity ring down spectroscopy on solid C60. <i>Journal of Chemical Physics</i> , 1999, 110, 2732-2733.	3.0	56
169	Not so loosely bound rare gas atoms: finite-temperature vibrational fingerprints of neutral gold-cluster complexes. <i>New Journal of Physics</i> , 2013, 15, 083003.	2.9	56
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