

Gerard Meijer

List of Publications by Year in descending order

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Version: 2024-02-01

465
papers

29,140
citations

4388

86
h-index

8866

145
g-index

494
all docs

494
docs citations

494
times ranked

13300
citing authors

#	ARTICLE	IF	CITATIONS
1	A setup for studies of photoelectron circular dichroism from chiral molecules in aqueous solution. Review of Scientific Instruments, 2022, 93, 015101.	1.3	19
2	UNESCO issues a powerful endorsement of Open Science. Natural Sciences, 2022, 2, .	2.1	2
3	Cryogenic infrared spectroscopy provides mechanistic insight into the fragmentation of phospholipid silver adducts. Analytical and Bioanalytical Chemistry, 2022, 414, 5275-5285.	3.7	8
4	Dynamics of translational and rotational thermalization of AlF molecules via collisions with cryogenic helium. Physical Review A, 2022, 105, .	2.5	1
5	Photoelectron circular dichroism in angle-resolved photoemission from liquid fenchone. Physical Chemistry Chemical Physics, 2022, 24, 8081-8092.	2.8	12
6	Spectroscopic characterization of singlet-triplet doorway states of aluminum monofluoride. Journal of Chemical Physics, 2022, 156, 184301.	3.0	2
7	Neighboring Group Participation of Benzoyl Protecting Groups in C3- and C6-Fluorinated Glucose. European Journal of Organic Chemistry, 2022, 2022, .	2.4	10
8	Studying the Key Intermediate of RNA Autohydrolysis by Cryogenic Gas-Phase Infrared Spectroscopy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
9	Spectroscopic characterization of the $a^3\Sigma^+$ state of aluminum monofluoride. Journal of Chemical Physics, 2022, 156, 124306.	3.0	2
10	Hyperfine-resolved optical spectroscopy of the $A^2\Pi^+X^2\Sigma^+$ transition in MgF. Journal of Chemical Physics, 2022, 156, 134301.	3.0	9
11	Imaging of Chemical Kinetics at the Water-Water Interface in a Free-Flowing Liquid Flat-Jet. Journal of the American Chemical Society, 2022, 144, 7790-7795.	13.7	13
12	Quantitative Study of Enantiomer-Specific State Transfer. Physical Review Letters, 2022, 128, 173001.	7.8	26
13	Frontispiece: Studying the Key Intermediate of RNA Autohydrolysis by Cryogenic Gas-Phase Infrared Spectroscopy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	1
14	Frontispiz: Untersuchung des reaktiven Intermediats der RNA Autohydrolyse mittels kryogener Infrarotspektroskopie in der Gasphase. Angewandte Chemie, 2022, 134, .	2.0	0
15	Comparison of Conventional and Nonconventional Hydrogen Bond Donors in Au ⁺ Complexes. Journal of Physical Chemistry A, 2022, 126, 3880-3892.	2.5	0
16	Characterisation of the $b^3\Sigma^+$, $v=0$ state and its interaction with the $A^1\Sigma^+$ state in aluminium monofluoride. Molecular Physics, 2021, 119, e1810351.	1.7	10
17	Accurate vertical ionization energy and work function determinations of liquid water and aqueous solutions. Chemical Science, 2021, 12, 10558-10582.	7.4	40
18	On the relationship between spectroscopic constants of diatomic molecules: a machine learning approach. RSC Advances, 2021, 11, 14552-14561.	3.6	5

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19	Low-energy constraints on photoelectron spectra measured from liquid water and aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8246-8260.	2.8	33
20	Manipulation and Control of Molecular Beams: The Development of the Stark-Decelerator. , 2021, , 463-476.		3
21	High-resolution UV spectroscopy of 1-indanol. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7048-7056.	2.8	4
22	Unravelling the structural complexity of glycolipids with cryogenic infrared spectroscopy. <i>Nature Communications</i> , 2021, 12, 1201.	12.8	36
23	Core level photoelectron spectroscopy of heterogeneous reactions at liquid-vapor interfaces: Current status, challenges, and prospects. <i>Journal of Chemical Physics</i> , 2021, 154, 060901.	3.0	36
24	Chondroitin Sulfate Disaccharides in the Gas Phase: Differentiation and Conformational Constraints. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4373-4379.	2.5	7
25	Non-covalent double bond sensors for gas-phase infrared spectroscopy of unsaturated fatty acids. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3643-3653.	3.7	5
26	Optical cycling of AIF molecules. <i>New Journal of Physics</i> , 2021, 23, 075001.	2.9	24
27	Water at charged interfaces. <i>Nature Reviews Chemistry</i> , 2021, 5, 466-485.	30.2	186
28	Unveiling Glycerolipid Fragmentation by Cryogenic Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021, 143, 14827-14834.	13.7	15
29	One hundred years of Alfred Land's $\langle i \rangle$ -factor. <i>Natural Sciences</i> , 2021, 1, e20210068.	2.1	2
30	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> , 2021, 125, 9279-9287.	2.5	3
31	$\langle i \rangle$ Natural Sciences $\langle /i \rangle$ is debuting. <i>Natural Sciences</i> , 2021, 1, .	2.1	0
32	IR action spectroscopy of glycosaminoglycan oligosaccharides. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 533-537.	3.7	24
33	A traveling wave Zeeman decelerator. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 122014.	0.4	0
34	Cryogenic Infrared Spectroscopy Reveals Structural Modularity in the Vibrational Fingerprints of Heparan Sulfate Diastereomers. <i>Analytical Chemistry</i> , 2020, 92, 10228-10232.	6.5	20
35	The Impact of Leaving Group Anomericity on the Structure of Glycosyl Cations of Protected Galactosides. <i>ChemPhysChem</i> , 2020, 21, 1905-1907.	2.1	15
36	Innentitelbild: Unterscheidung von isomeren Sphingolipiden mittels kryogener Infrarotspektroskopie (Angew. Chem. 32/2020). <i>Angewandte Chemie</i> , 2020, 132, 13226-13226.	2.0	0

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37	Probing the conformational landscape and thermochemistry of DNA dinucleotide anions <i>via</i> helium nanodroplet infrared action spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18400-18413.	2.8	23
38	A data-driven approach to determine dipole moments of diatomic molecules. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24191-24200.	2.8	11
39	Direct Experimental Characterization of the Ferrier Glycosyl Cation in the Gas Phase. <i>Organic Letters</i> , 2020, 22, 8916-8919.	4.6	21
40	Unterscheidung von isomeren Sphingolipiden mittels kryogener Infrarotspektroskopie. <i>Angewandte Chemie</i> , 2020, 132, 13740-13744.	2.0	1
41	The diatomic molecular spectroscopy database. <i>Journal of Cheminformatics</i> , 2020, 12, 31.	6.1	19
42	Fernpartizipation in Glykosylierungen von Galaktose-Bausteinen: Direktnachweis durch kryogene Schwingungsspektroskopie. <i>Angewandte Chemie</i> , 2020, 132, 6224-6229.	2.0	17
43	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
44	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \langle \text{mml:math} \rangle \text{doubling in the } \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:ma} \rangle \langle \text{mml:m} \rangle \langle \text{mml:math} \rangle \text{state of TIF. } \langle \text{mml:math} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review A, 2020, 101, .	2.5	18
45	Resolving Sphingolipid Isomers Using Cryogenic Infrared Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13638-13642.	13.8	22
46	In-depth structural analysis of glycans in the gas phase. <i>Chemical Science</i> , 2019, 10, 1272-1284.	7.4	52
47	Characterization of a trans-trans Carbonic Acid-Fluoride Complex by Infrared Action Spectroscopy in Helium Nanodroplets. <i>Journal of the American Chemical Society</i> , 2019, 141, 5815-5823.	13.7	18
48	An Intrinsic Hydrophobicity Scale for Amino Acids and Its Application to Fluorinated Compounds. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8216-8220.	13.8	30
49	Eine intrinsische Hydrophobieskala für Aminosäuren und ihre Anwendung auf fluorierte Verbindungen. <i>Angewandte Chemie</i> , 2019, 131, 8300-8304.	2.0	2
50	The role of the mobile proton in fucose migration. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4637-4645.	3.7	27
51	Spectroscopic characterization of aluminum monofluoride with relevance to laser cooling and trapping. <i>Physical Review A</i> , 2019, 100, .	2.5	41
52	Structural Characterization of Molybdenum Oxide Nanoclusters Using Ion Mobility Spectrometry-Mass Spectrometry and Infrared Action Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7845-7853.	3.1	20
53	Fucose Migration in Intact Protonated Glycan Ions: A Universal Phenomenon in Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7440-7443.	13.8	51
54	Vibrational Spectroscopy of Fluoroformate, FCO_2 , Trapped in Helium Nanodroplets. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2305-2310.	4.6	21

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55	Unravelling the structure of glycosyl cations via cold-ion infrared spectroscopy. Nature Communications, 2018, 9, 4174.	12.8	60
56	Ground-State Structure of the Proton-Bound Formate Dimer by Cold-Ion Infrared Action Spectroscopy. Angewandte Chemie, 2018, 130, 10775-10779.	2.0	5
57	Fucose-Migration in intakten protonierten Glykan-Clonen – ein universelles Phänomen in der Massenspektrometrie. Angewandte Chemie, 2018, 130, 7562-7565.	2.0	7
58	Ground-State Structure of the Proton-Bound Formate Dimer by Cold-Ion Infrared Action Spectroscopy. Angewandte Chemie - International Edition, 2018, 57, 10615-10619.	13.8	26
59	Advanced switching schemes in a Stark decelerator. Physical Review A, 2016, 93, .	2.5	8
60	Stark Interference of Electric and Magnetic Dipole Transitions in the A^2 Band of OH. Physical Review Letters, 2016, 116, 153001.	7.8	2
61	Measuring and manipulating the temperature of cold molecules trapped on a chip. Physical Review A, 2015, 92, .	2.5	5
62	A new Stark decelerator based surface scattering instrument for studying energy transfer at the gas-surface interface. Review of Scientific Instruments, 2015, 86, 043306.	1.3	7
63	Rotationally inelastic scattering of OH by molecular hydrogen: Theory and experiment. Journal of Chemical Physics, 2015, 142, 204310.	3.0	34
64	Exploring the conformational preferences of 20-residue peptides in isolation: Ac-Ala ₁₉ -Lys + H ⁺ vs. Ac-Lys-Ala ₁₉ + H ⁺ and the current reach of DFT. Physical Chemistry Chemical Physics, 2015, 17, 7373-7385.	2.8	48
65	CO ($a^3\tilde{\Pi}$) quenching at a metal surface: Evidence of an electron transfer mediated mechanism. Journal of Chemical Physics, 2014, 141, 044712.	3.0	8
66	X-Ray Diffraction from Isolated and Strongly Aligned Gas-Phase Molecules with a Free-Electron Laser. Physical Review Letters, 2014, 112, .	7.8	217
67	Structures of Platinum Oxide Clusters in the Gas Phase. Journal of Physical Chemistry A, 2013, 117, 1233-1239.	2.5	35
68	Manipulating the motion of polar molecules with microwave radiation. Molecular Physics, 2013, 111, 1855-1864.	1.7	4
69	A ⁴⁰ Forty-Segment Molecular Synchrotron. Zeitschrift Fur Physikalische Chemie, 2013, 227, .	2.8	5
70	Unusual Bonding in Platinum Carbido Clusters. Journal of Physical Chemistry Letters, 2013, 4, 892-896.	4.6	25
71	Vibrational enhancement of electron emission in CO ($a^3\tilde{\Pi}$) quenching at a clean metal surface. Physical Chemistry Chemical Physics, 2013, 15, 14951.	2.8	7
72	Imaging Cold Molecules on a Chip. Physical Review Letters, 2013, 111, 243007.	7.8	9

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73	Communication: Structure of magnetic lanthanide clusters from far-IR spectroscopy: Tb_{n^+} ($n = 5-9$). Journal of Chemical Physics, 2013, 138, 031102.	3.0	15
74	Structure of the Benzene Dimer "Governed by Dynamics. Angewandte Chemie - International Edition, 2013, 52, 5180-5183.	13.8	64
75	Stark Deceleration of NO Radicals. Zeitschrift Fur Physikalische Chemie, 2013, , 130617035227002.	2.8	3
76	Charge Separation Promoted Activation of Molecular Oxygen by Neutral Gold Clusters. Journal of the American Chemical Society, 2013, 135, 1727-1730.	13.7	68
77	N_2 Activation by Neutral Ruthenium Clusters. Journal of Physical Chemistry C, 2013, 117, 12153-12158.	3.1	64
78	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
79	Stark Effect in the Benzene Dimer. Journal of Physical Chemistry A, 2013, 117, 13775-13778.	2.5	6
80	Communication: IR spectroscopy of neutral transition metal clusters through thermionic emission. Journal of Chemical Physics, 2013, 139, 121101.	3.0	16
81	Not so loosely bound rare gas atoms: finite-temperature vibrational fingerprints of neutral gold-cluster complexes. New Journal of Physics, 2013, 15, 083003.	2.9	56
82	Resonant excitation of trapped molecules in a molecular synchrotron. Physical Review A, 2013, 87, .	2.5	2
83	A compact hexapole state-selector for NO radicals. Review of Scientific Instruments, 2013, 84, 073113.	1.3	7
84	Vibrationally exciting molecules trapped on a microchip. Molecular Physics, 2012, 110, 1829-1837.	1.7	9
85	Communication: Magnetic dipole transitions in the OH Λ - Σ + Σ - Σ system. Journal of Chemical Physics, 2012, 137, 101102.	3.0	12
86	Manipulation and Control of Molecular Beams. Chemical Reviews, 2012, 112, 4828-4878.	47.7	275
87	Alternating-gradient focusing of the benzonitrile-argon van der Waals complex. Journal of Chemical Physics, 2012, 137, 104310.	3.0	7
88	Traveling-wave deceleration of heavy polar molecules in low-field-seeking states. Physical Review A, 2012, 86, .	2.5	29
89	Decelerating molecules with microwave fields. Physical Review A, 2012, 85, .	2.5	20
90	Scattering resonances in slow NH_3 -He collisions. Journal of Chemical Physics, 2012, 136, 074301.	3.0	51

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91	Quantum-State Resolved Bimolecular Collisions of Velocity-Controlled OH with NO Radicals. <i>Science</i> , 2012, 338, 1060-1063.	12.6	114
92	Infrared driven CO oxidation reactions on isolated platinum cluster oxides, PtnOm+. <i>Faraday Discussions</i> , 2012, 157, 213.	3.2	27
93	Structure determination of neutral MgO clustersâ€™hexagonal nanotubes and cages. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2849.	2.8	100
94	Photoexcitation of mass/charge selected hemin+, caught in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13370.	2.8	41
95	Local Conformational Preferences of Peptides Near Attached Cations: Structure Determination by First-Principles Theory and IR-Spectroscopy. <i>Biophysical Journal</i> , 2012, 102, 46a.	0.5	0
96	Activation of Molecular Oxygen by Anionic Gold Clusters. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4444-4447.	13.8	101
97	Activated Methane on Small Cationic Platinum Clusters. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 817-819.	13.8	68
98	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
99	Structures and vibrational spectroscopy of partially reduced gas-phase cerium oxide clusters. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19393.	2.8	50
100	Stark-selected beam of ground-state OCS molecules characterized by revivals of impulsive alignment. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 18971.	2.8	46
101	An electrostatic elliptical mirror for neutral polar molecules. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 18830.	2.8	10
102	Rotational-state-specific guiding of large molecules. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 18962.	2.8	22
103	Crossed beam scattering experiments with optimized energy resolution. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8448.	2.8	33
104	Structure Determination of Anionic Metal Clusters via Infrared Resonance Enhanced Multiple Photon Electron Detachment Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1720-1724.	4.6	42
105	Effects of Coadsorbed Oxygen on the Infrared Driven Decomposition of N₂O on Isolated Rh₅⁺ Clusters. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 3053-3057.	4.6	39
106	Infrared Spectroscopy of Hydrated Bisulfate Anion Clusters: HSO₄⁻(H₂O)_{1â€™16}. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2135-2140.	4.6	87
107	Comment on â€™Electronic Structures, Vibrational and Thermochemical Properties of Neutral and Charged Niobium Clusters Nbn,n= 7â€™12â€™. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7869-7870.	2.5	5
108	Electron Distribution in Partially Reduced Mixed Metal Oxide Systems: Infrared Spectroscopy of Ce_mV_nO_o⁺ Gas-Phase Clusters. <i>Journal of Physical Chemistry A</i> , 2011, 115, 11187-11192.	2.5	42

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109	Infrared Spectra and Structures of Silver ⁺ PAH Cation Complexes. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2052-2056.	4.6	15
110	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
111	Quantum Reflection of He ₂ Several Nanometers Above a Grating Surface. <i>Science</i> , 2011, 331, 892-894.	12.6	47
112	CO adsorption on neutral iridium clusters. <i>European Physical Journal D</i> , 2011, 63, 231-234.	1.3	11
113	Scattering of Stark-decelerated OH radicals with rare-gas atoms. <i>European Physical Journal D</i> , 2011, 65, 189-198.	1.3	38
114	Accumulation of Stark-decelerated NH molecules in a magnetic trap. <i>European Physical Journal D</i> , 2011, 65, 161-166.	1.3	37
115	Sanfter RÄ¼ckprall des zerbrechlichsten aller MolekÄ¼le. <i>Physik in Unserer Zeit</i> , 2011, 42, 111-112.	0.0	0
116	Driving Rotational Transitions in Molecules on a Chip. <i>ChemPhysChem</i> , 2011, 12, 1799-1807.	2.1	14
117	Structural Diversity and Flexibility of MgO Gas-Phase Clusters. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1716-1719.	13.8	67
118	Spectroscopic Characterization of Solvent-Mediated Folding in Dicarboxylate Dianions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3807-3810.	13.8	17
119	CO Oxidation as a Prototypical Reaction for Heterogeneous Processes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10064-10094.	13.8	639
120	Emerging beam effects in out-of-plane grating diffraction of He atom beams. <i>New Journal of Physics</i> , 2011, 13, 065017.	2.9	4
121	Producing translationally cold, ground-state CO molecules. <i>Journal of Chemical Physics</i> , 2011, 135, 114201.	3.0	10
122	Suppression of nonadiabatic losses of molecules from chip-based microtraps. <i>Physical Review A</i> , 2011, 83, .	2.5	20
123	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
124	Ionization of oriented carbonyl sulfide molecules by intense circularly polarized laser pulses. <i>Physical Review A</i> , 2011, 83, .	2.5	75
125	A traveling wave decelerator for neutral polar molecules. <i>Review of Scientific Instruments</i> , 2011, 82, 093108.	1.3	29
126	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

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127	Loading Stark-decelerated molecules into electrostatic quadrupole traps. European Physical Journal D, 2010, 57, 33-41.	1.3	15
128	Slowing polar molecules using a wire Stark decelerator. European Physical Journal D, 2010, 59, 179-181.	1.3	10
129	Farâ€Infrared Spectra of Yttriumâ€Doped Gold Clusters Au_{<i>n</i>}Y (<i>n</i>=1 â€“9). ChemPhysChem, 2010, 11, 1932-1943.	2.1	35
130	Internal Proton Transfer Leading to Stable Zwitterionic Structures in a Neutral Isolated Peptide. Angewandte Chemie - International Edition, 2010, 49, 2332-2335.	13.8	38
131	Infrared spectroscopic characterization of the oxidative dehydrogenation of propane by V4O10+. International Journal of Mass Spectrometry, 2010, 297, 102-106.	1.5	29
132	Photoelectron angular distributions from strong-field ionization of oriented molecules. Nature Physics, 2010, 6, 428-432.	16.7	349
133	Communications: The structure of Rh8+ in the gas phase. Journal of Chemical Physics, 2010, 132, 011101.	3.0	55
134	Coherent Reflection of He Atom Beams from Rough Surfaces at Grazing Incidence. Physical Review Letters, 2010, 105, 133203.	7.8	27
135	Microwave Lens for Polar Molecules. Physical Review Letters, 2010, 104, 253001.	7.8	24
136	Ferrimagnetic cagelike $\langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \text{Fe} \langle \text{mml:mrow} \langle \text{mml:mn} 4 \langle \text{mml:mn} 3 \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mn} 4 \langle \text{mml:mn} 3 \rangle \rangle \rangle \rangle \rangle \rangle \rangle$ Structure determination from infrared dissociation spectroscopy. Physical Review B, 2010, 82, .	2.5	12
137	Optimizing the resolution of the alternating-gradient $\langle \text{mml:mrow} \langle \text{mml:mi} m \langle \text{mml:mi} \langle \text{mml:mo} / \langle \text{mml:mo} \rangle \langle \text{mml:mi} \hat{1} / 4 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:math} \rangle \text{selector} \rangle \rangle \rangle \rangle$ Physical Review A, 2010, 82, .	2.5	12
138	Low-energy inelastic collisions of OH radicals with He atoms and $\langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \text{D} \langle \text{mml:mi} \langle \text{mml:mrow} \langle \text{mml:mn} 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:math} \rangle \text{molecule} \rangle \rangle \rangle \rangle \rangle \rangle$ Physical Review A, 2010, 82, .	2.5	44
139	Deceleration of neutral molecules in macroscopic traveling traps. Physical Review A, 2010, 81, .	2.5	88
140	Catching Proteins in Liquid Helium Droplets. Physical Review Letters, 2010, 105, 133402.	7.8	75
141	Multiple Packets of Neutral Molecules Revolving for over a Mile. Physical Review Letters, 2010, 105, 173001.	7.8	33
142	Emerging Beam Resonances in Atom Diffraction from a Reflection Grating. Physical Review Letters, 2010, 104, 240404.	7.8	13
143	Intensity-resolved IR multiple photon ionization and fragmentation of C60. Journal of Chemical Physics, 2010, 132, 074305.	3.0	63
144	Infrared Induced Reactivity on the Surface of Isolated Size-Selected Clusters: Dissociation of N₂O on Rhodium Clusters. Journal of the American Chemical Society, 2010, 132, 1448-1449.	13.7	72

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145	IR Spectroscopic Characterization of the Thermally Induced Isomerization in Carbon Disulfide Dimer Anions. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2465-2469.	4.6	21
146	Secondary Structure of Ac-Ala _n -Lys ⁺ Polyalanine Peptides ($n = 1-10$). <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2465-2469.	4.6	76
147	Amide-I and -II Vibrations of the Cyclic β -Sheet Model Peptide Gramicidin S in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2010, 132, 2085-2093.	13.7	62
148	Infrared Spectroscopy and Binding Geometries of Oxygen Atoms Bound to Cationic Tantalum Clusters. <i>Journal of Physical Chemistry A</i> , 2010, 114, 9755-9761.	2.5	39
149	Gas-Phase Vibrational Spectroscopy of Microhydrated Magnesium Nitrate Ions [MgNO ₃ (H ₂ O) ₄] ⁺ . <i>Journal of the American Chemical Society</i> , 2010, 132, 7398-7404.	13.7	62
150	Infrared Spectroscopy of Hydrated Bicarbonate Anion Clusters: HCO ₃ ⁻ (H ₂ O) ₁₀ . <i>Journal of the American Chemical Society</i> , 2010, 132, 849-856.	13.7	146
151	The structure of Au ₆ Y ⁺ in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13907.	2.8	19
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153	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
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