

Gerard Meijer

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2236297/gerard-meijer-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

462
papers

25,946
citations

82
h-index

137
g-index

494
ext. papers

27,637
ext. citations

5.9
avg, IF

6.76
L-index

#	Paper	IF	Citations
462	Cryogenic infrared spectroscopy provides mechanistic insight into the fragmentation of phospholipid silver adducts.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	0
461	A setup for studies of photoelectron circular dichroism from chiral molecules in aqueous solution.. <i>Review of Scientific Instruments</i> , 2022 , 93, 015101	1.7	3
460	Spectroscopic characterization of singlet-triplet doorway states of aluminum monofluoride.. <i>Journal of Chemical Physics</i> , 2022 , 156, 184301	3.9	1
459	Spectroscopic characterization of the $\alpha^3\Sigma^-$ state of aluminum monofluoride.. <i>Journal of Chemical Physics</i> , 2022 , 156, 124306	3.9	1
458	Hyperfine-resolved optical spectroscopy of the $A^1\Sigma^- - X^1\Sigma^-$ transition in MgF.. <i>Journal of Chemical Physics</i> , 2022 , 156, 134301	3.9	0
457	Quantitative Study of Enantiomer-Specific State Transfer.. <i>Physical Review Letters</i> , 2022 , 128, 173001	7.4	2
456	Spectroscopy of Small and Large Biomolecular Ions in Helium-Nanodroplets. <i>Topics in Applied Physics</i> , 2022 , 241-280	0.5	
455	One hundred years of Alfred Landé's g-factor. <i>Natural Sciences</i> , 2021 , 1, e20210068		0
454	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 ^{2.8}		0
453	Chondroitin Sulfate Disaccharides in the Gas Phase: Differentiation and Conformational Constraints. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 4373-4379	2.8	5
452	Non-covalent double bond sensors for gas-phase infrared spectroscopy of unsaturated fatty acids. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3643-3653	4.4	2
451	Optical cycling of AlF molecules. <i>New Journal of Physics</i> , 2021 , 23, 075001	2.9	8
450	Water at charged interfaces. <i>Nature Reviews Chemistry</i> , 2021 , 5, 466-485	34.6	50
449	Characterisation of the $b^3\Sigma^-, v = 0$ state and its interaction with the $A^1\Sigma^-$ state in aluminium monofluoride. <i>Molecular Physics</i> , 2021 , 119, e1810351	1.7	6
448	Accurate vertical ionization energy and work function determinations of liquid water and aqueous solutions. <i>Chemical Science</i> , 2021 , 12, 10558-10582	9.4	10
447	On the relationship between spectroscopic constants of diatomic molecules: a machine learning approach.. <i>RSC Advances</i> , 2021 , 11, 14552-14561	3.7	1
446	Low-energy constraints on photoelectron spectra measured from liquid water and aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 8246-8260	3.6	15

445	Manipulation and Control of Molecular Beams: The Development of the Stark-Decelerator 2021 , 463-476		2
444	High-resolution UV spectroscopy of 1-indanol. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 7048-7056	3.6	2
443	Unravelling the structural complexity of glycolipids with cryogenic infrared spectroscopy. <i>Nature Communications</i> , 2021 , 12, 1201	17.4	16
442	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	3.9	15
441	Unveiling Glycerolipid Fragmentation by Cryogenic Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14827-14834	16.4	4
440	Direct Experimental Characterization of the Ferrier Glycosyl Cation in the Gas Phase. <i>Organic Letters</i> , 2020 , 22, 8916-8919	6.2	9
439	Unterscheidung von isomeren Sphingolipiden mittels kryogener Infrarotspektroskopie. <i>Angewandte Chemie</i> , 2020 , 132, 13740-13744	3.6	0
438	The diatomic molecular spectroscopy database. <i>Journal of Cheminformatics</i> , 2020 , 12, 31	8.6	8
437	Fernpartizipation in Glykosylierungen von Galaktose-Bausteinen: Direktnachweis durch kryogene Schwingungsspektroskopie. <i>Angewandte Chemie</i> , 2020 , 132, 6224-6229	3.6	12
436	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	16.4	43
435	Doubling in the B ₃ state of TlF. <i>Physical Review A</i> , 2020 , 101,	2.6	1
434	IR action spectroscopy of glycosaminoglycan oligosaccharides. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 533-537	4.4	16
433	A traveling wave Zeeman decelerator. <i>Journal of Physics: Conference Series</i> , 2020 , 1412, 122014	0.3	
432	Cryogenic Infrared Spectroscopy Reveals Structural Modularity in the Vibrational Fingerprints of Heparan Sulfate Diastereomers. <i>Analytical Chemistry</i> , 2020 , 92, 10228-10232	7.8	13
431	The Impact of Leaving Group Anomericity on the Structure of Glycosyl Cations of Protected Galactosides. <i>ChemPhysChem</i> , 2020 , 21, 1905-1907	3.2	12
430	Innentitelbild: Unterscheidung von isomeren Sphingolipiden mittels kryogener Infrarotspektroskopie (Angew. Chem. 32/2020). <i>Angewandte Chemie</i> , 2020 , 132, 13226-13226	3.6	
429	Probing the conformational landscape and thermochemistry of DNA dinucleotide anions via helium nanodroplet infrared action spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 18400-18413	3.6	10
428	A data-driven approach to determine dipole moments of diatomic molecules. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24191-24200	3.6	7

427	Resolving Sphingolipid Isomers Using Cryogenic Infrared Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13638-13642	16.4	14
426	In-depth structural analysis of glycans in the gas phase. <i>Chemical Science</i> , 2019 , 10, 1272-1284	9.4	39
425	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	16.4	12
424	An Intrinsic Hydrophobicity Scale for Amino Acids and Its Application to Fluorinated Compounds. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8216-8220	16.4	18
423	Eine intrinsische Hydrophobieskala für Aminosäuren und ihre Anwendung auf fluorierte Verbindungen. <i>Angewandte Chemie</i> , 2019 , 131, 8300-8304	3.6	0
422	The role of the mobile proton in fucose migration. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4637-4645	14	14
421	Spectroscopic characterization of aluminum monofluoride with relevance to laser cooling and trapping. <i>Physical Review A</i> , 2019 , 100,	2.6	24
420	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	3.8	11
419	Fucose Migration in Intact Protonated Glycan Ions: A Universal Phenomenon in Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7440-7443	16.4	36
418	Vibrational Spectroscopy of Fluoroformate, FCO, Trapped in Helium Nanodroplets. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2305-2310	6.4	17
417	Fucose-Migration in intakten protonierten Glykan-Ionen – ein universelles Phänomen in der Massenspektrometrie. <i>Angewandte Chemie</i> , 2018 , 130, 7562-7565	3.6	3
416	Ground-State Structure of the Proton-Bound Formate Dimer by Cold-Ion Infrared Action Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10615-10619	16.4	21
415	Unravelling the structure of glycosyl cations via cold-ion infrared spectroscopy. <i>Nature Communications</i> , 2018 , 9, 4174	17.4	38
414	Ground-State Structure of the Proton-Bound Formate Dimer by Cold-Ion Infrared Action Spectroscopy. <i>Angewandte Chemie</i> , 2018 , 130, 10775-10779	3.6	5
413	Advanced switching schemes in a Stark decelerator. <i>Physical Review A</i> , 2016 , 93,	2.6	8
412	Stark Interference of Electric and Magnetic Dipole Transitions in the A-X Band of OH. <i>Physical Review Letters</i> , 2016 , 116, 153001	7.4	2
411	A new Stark decelerator based surface scattering instrument for studying energy transfer at the gas-surface interface. <i>Review of Scientific Instruments</i> , 2015 , 86, 043306	1.7	6
410	Rotationally inelastic scattering of OH by molecular hydrogen: Theory and experiment. <i>Journal of Chemical Physics</i> , 2015 , 142, 204310	3.9	28

409	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> , 2015 , 17, 7373-85	3.6	42
408	Measuring and manipulating the temperature of cold molecules trapped on a chip. <i>Physical Review A</i> , 2015 , 92,	2.6	5
407	X-Ray Diffraction from Isolated and Strongly Aligned Gas-Phase Molecules with a Free-Electron Laser. <i>Physical Review Letters</i> , 2014 , 112,	7.4	185
406	CO (α_3) quenching at a metal surface: Evidence of an electron transfer mediated mechanism. <i>Journal of Chemical Physics</i> , 2014 , 141, 044712	3.9	8
405	Structures of platinum oxide clusters in the gas phase. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1233-92.8		31
404	Manipulating the motion of polar molecules with microwave radiation. <i>Molecular Physics</i> , 2013 , 111, 1855-1864		
403	A Forty-Segment Molecular Synchrotron. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013 , 227,	3.1	5
402	Unusual Bonding in Platinum Carbido Clusters. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 892-6	6.4	23
401	Vibrational enhancement of electron emission in CO (α_3) quenching at a clean metal surface. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 14951-5	3.6	7
400	Imaging cold molecules on a chip. <i>Physical Review Letters</i> , 2013 , 111, 243007	7.4	9
399	Communication: structure of magnetic lanthanide clusters from far-IR spectroscopy: Tb(n)+ (n = 5-9). <i>Journal of Chemical Physics</i> , 2013 , 138, 031102	3.9	14
398	Structure of the benzene dimer--governed by dynamics. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5180-3	16.4	52
397	Die Struktur des Benzoldimers [Die Dynamik gewinnt. <i>Angewandte Chemie</i> , 2013 , 125, 5288-5292	3.6	9
396	Stark Deceleration of NO Radicals. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013 , 130617035227002	3.1	3
395	Charge separation promoted activation of molecular oxygen by neutral gold clusters. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1727-30	16.4	59
394	N2 Activation by Neutral Ruthenium Clusters. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12153-12158	3.8	54
393	Unraveling the internal dynamics of the benzene dimer: a combined theoretical and microwave spectroscopy study. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 10207-23	3.6	26
392	Stark effect in the benzene dimer. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 13775-8	2.8	6

391	Communication: IR spectroscopy of neutral transition metal clusters through thermionic emission. <i>Journal of Chemical Physics</i> , 2013 , 139, 121101	3.9	15
390	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	50
389	Resonant excitation of trapped molecules in a molecular synchrotron. <i>Physical Review A</i> , 2013 , 87,	2.6	2
388	A compact hexapole state-selector for NO radicals. <i>Review of Scientific Instruments</i> , 2013 , 84, 073113	1.7	7
387	Activated methane on small cationic platinum clusters. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 817-9	16.4	58
386	Quantum-state resolved bimolecular collisions of velocity-controlled OH with NO radicals. <i>Science</i> , 2012 , 338, 1060-3	33.3	106
385	Manipulating the Motion of Complex Molecules: Deflection, Focusing, and Deceleration of Molecular Beams for Quantum-State and Conformer Selection 2012 , 1-28		0
384	Infrared driven CO oxidation reactions on isolated platinum cluster oxides, Pt(n)O(m)+. <i>Faraday Discussions</i> , 2012 , 157, 213-25; discussion 243-84	3.6	24
383	Structure determination of neutral MgO clusters--hexagonal nanotubes and cages. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2849-56	3.6	90
382	Photoexcitation of mass/charge selected hemin+, caught in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 13370-7	3.6	39
381	Activation of molecular oxygen by anionic gold clusters. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4444-7	16.4	91
380	Aktiviertes Methan auf kleinen Platinclusterkationen. <i>Angewandte Chemie</i> , 2012 , 124, 842-845	3.6	22
379	Aktivierung von molekularem Sauerstoff durch anionische Goldcluster. <i>Angewandte Chemie</i> , 2012 , 124, 4520-4523	3.6	24
378	Vibrationally exciting molecules trapped on a microchip. <i>Molecular Physics</i> , 2012 , 110, 1829-1837	1.7	7
377	Communication: Magnetic dipole transitions in the OH A $2\pi \leftarrow X 2\pi$ system. <i>Journal of Chemical Physics</i> , 2012 , 137, 101102	3.9	11
376	Manipulation and control of molecular beams. <i>Chemical Reviews</i> , 2012 , 112, 4828-78	68.1	242
375	Alternating-gradient focusing of the benzonitrile-argon van der Waals complex. <i>Journal of Chemical Physics</i> , 2012 , 137, 104310	3.9	6
374	Traveling-wave deceleration of heavy polar molecules in low-field-seeking states. <i>Physical Review A</i> , 2012 , 86,	2.6	27

373	Decelerating molecules with microwave fields. <i>Physical Review A</i> , 2012 , 85,	2.6	19
372	Scattering resonances in slow NH ₃ -He collisions. <i>Journal of Chemical Physics</i> , 2012 , 136, 074301	3.9	47
371	Infrared-induced reactivity of N ₂ O on small gas-phase rhodium clusters. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 2489-97	2.8	50
370	Quantum reflection of He ₂ several nanometers above a grating surface. <i>Science</i> , 2011 , 331, 892-4	33.3	42
369	CO adsorption on neutral iridium clusters. <i>European Physical Journal D</i> , 2011 , 63, 231-234	1.3	9
368	Scattering of Stark-decelerated OH radicals with rare-gas atoms. <i>European Physical Journal D</i> , 2011 , 65, 189-198	1.3	36
367	Accumulation of Stark-decelerated NH molecules in a magnetic trap. <i>European Physical Journal D</i> , 2011 , 65, 161-166	1.3	33
366	Sanfter Rückprall des zerbrechlichsten aller Moleküle. <i>Physik in Unserer Zeit</i> , 2011 , 42, 111-112	0.1	
365	Driving rotational transitions in molecules on a chip. <i>ChemPhysChem</i> , 2011 , 12, 1799-807	3.2	12
364	Strukturelle Vielfalt und Flexibilität von MgO-Clustern in der Gasphase. <i>Angewandte Chemie</i> , 2011 , 123, 1754-1757	3.6	11
363	Spektroskopische Charakterisierung der Lösungsmittelinduzierten Faltung von Dicarboxylatdianionen. <i>Angewandte Chemie</i> , 2011 , 123, 3891-3894	3.6	2
362	Die CO-Oxidation als Modellreaktion für heterogene Prozesse. <i>Angewandte Chemie</i> , 2011 , 123, 10242-10245	3.6	73
361	Structural diversity and flexibility of MgO gas-phase clusters. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1716-9	16.4	63
360	Spectroscopic characterization of solvent-mediated folding in dicarboxylate dianions. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3807-10	16.4	16
359	CO oxidation as a prototypical reaction for heterogeneous processes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10064-94	16.4	510
358	State- and conformer-selected beams of aligned and oriented molecules for ultrafast diffraction studies. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 2076-87	3.6	64
357	Structures and vibrational spectroscopy of partially reduced gas-phase cerium oxide clusters. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 19393-400	3.6	44
356	Stark-selected beam of ground-state OCS molecules characterized by revivals of impulsive alignment. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18971-5	3.6	43

355	An electrostatic elliptical mirror for neutral polar molecules. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18830-4	3.6	9
354	Rotational-state-specific guiding of large molecules. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18962-70	3.6	21
353	Crossed beam scattering experiments with optimized energy resolution. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 8448-56	3.6	32
352	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	6.4	36
351	Effects of Coadsorbed Oxygen on the Infrared Driven Decomposition of N ₂ O on Isolated Rh ⁵⁺ Clusters. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 3053-3057	6.4	34
350	Infrared Spectroscopy of Hydrated Bisulfate Anion Clusters: HSO ₄ ⁻ (H ₂ O) _n . <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2135-2140	6.4	77
349	Comment on "Electronic structures, vibrational and thermochemical properties of neutral and charged niobium clusters Nb(n), n = 7-12". <i>Journal of Physical Chemistry A</i> , 2011 , 115, 7869-70	2.8	5
348	Electron distribution in partially reduced mixed metal oxide systems: infrared spectroscopy of Ce _m V _n O _o (+) gas-phase clusters. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 11187-92	2.8	42
347	Infrared Spectra and Structures of Silver ⁺ BAH Cation Complexes. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2052-2056	6.4	10
346	Emerging beam effects in out-of-plane grating diffraction of He atom beams. <i>New Journal of Physics</i> , 2011 , 13, 065017	2.9	3
345	Producing translationally cold, ground-state CO molecules. <i>Journal of Chemical Physics</i> , 2011 , 135, 114201	3.9	9
344	Suppression of nonadiabatic losses of molecules from chip-based microtraps. <i>Physical Review A</i> , 2011 , 83,	2.6	16
343	Ionization of one- and three-dimensionally-oriented asymmetric-top molecules by intense circularly polarized femtosecond laser pulses. <i>Physical Review A</i> , 2011 , 83,	2.6	62
342	Ionization of oriented carbonyl sulfide molecules by intense circularly polarized laser pulses. <i>Physical Review A</i> , 2011 , 83,	2.6	66
341	A traveling wave decelerator for neutral polar molecules. <i>Review of Scientific Instruments</i> , 2011 , 82, 093108	1.8	26
340	Photoelectron angular distributions from strong-field ionization of oriented molecules. <i>Nature Physics</i> , 2010 , 6, 428-432	16.2	314
339	Communications: The structure of Rh(8) (+) in the gas phase. <i>Journal of Chemical Physics</i> , 2010 , 132, 011101	1.9	50
338	Coherent reflection of He atom beams from rough surfaces at grazing incidence. <i>Physical Review Letters</i> , 2010 , 105, 133203	7.4	24

337	Microwave lens for polar molecules. <i>Physical Review Letters</i> , 2010 , 104, 253001	7.4	22
336	Ferrimagnetic cage-like Fe ₄ O ₆ cluster: Structure determination from infrared dissociation spectroscopy. <i>Physical Review B</i> , 2010 , 82,	3.3	31
335	Optimizing the resolution of the alternating-gradient m/e selector. <i>Physical Review A</i> , 2010 , 82,	2.6	11
334	Low-energy inelastic collisions of OH radicals with He atoms and D ₂ molecules. <i>Physical Review A</i> , 2010 , 82,	2.6	42
333	Deceleration of neutral molecules in macroscopic traveling traps. <i>Physical Review A</i> , 2010 , 81,	2.6	78
332	Catching proteins in liquid helium droplets. <i>Physical Review Letters</i> , 2010 , 105, 133402	7.4	67
331	Multiple packets of neutral molecules revolving for over a mile. <i>Physical Review Letters</i> , 2010 , 105, 173001	7.4	29
330	Emerging beam resonances in atom diffraction from a reflection grating. <i>Physical Review Letters</i> , 2010 , 104, 240404	7.4	13
329	Intensity-resolved IR multiple photon ionization and fragmentation of C ₆₀ . <i>Journal of Chemical Physics</i> , 2010 , 132, 074305	3.9	50
328	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, 1448-9	16.4	63
327	IR Spectroscopic Characterization of the Thermally Induced Isomerization in Carbon Disulfide Dimer Anions. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2465-2469	6.4	18
326	Secondary Structure of Ac-Alan-LysH ⁺ Polyalanine Peptides (n = 5,10,15) in Vacuo: Helical or Not?. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3465-3470	6.4	72
325	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> , 2010 , 132, 2085-93	16.4	56
324	Infrared spectroscopy and binding geometries of oxygen atoms bound to cationic tantalum clusters. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 9755-61	2.8	37
323	Gas-phase vibrational spectroscopy of microhydrated magnesium nitrate ions [MgNO ₃ (H ₂ O)(1-4)] ⁺ . <i>Journal of the American Chemical Society</i> , 2010 , 132, 7398-404	16.4	58
322	Infrared spectroscopy of hydrated bicarbonate anion clusters: HCO ₃ ⁻ (H ₂ O)(1-10). <i>Journal of the American Chemical Society</i> , 2010 , 132, 849-56	16.4	117
321	The structure of Au(6)Y ⁺ in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 13907-13	3.6	19
320	Vibration-rotation-tunneling states of the benzene dimer: an ab initio study. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 8219-40	3.6	65

3 ¹⁹	State-to-state inelastic scattering of Stark-decelerated OH radicals with Ar atoms. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 10660-70	3.6	56
3 ¹⁸	Probing the structures of gas-phase rhodium cluster cations by far-infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2010 , 133, 214304	3.9	59
3 ¹⁷	Loading Stark-decelerated molecules into electrostatic quadrupole traps. <i>European Physical Journal D</i> , 2010 , 57, 33-41	1.3	15
3 ¹⁶	Slowing polar molecules using a wire Stark decelerator. <i>European Physical Journal D</i> , 2010 , 59, 179-181	1.3	7
3 ¹⁵	Far-infrared spectra of yttrium-doped gold clusters Au(n)Y (n=1-9). <i>ChemPhysChem</i> , 2010 , 11, 1932-43	3.2	33
3 ¹⁴	New Tools for Structure Elucidation in the Gas Phase: IR Spectroscopy of Bare and Doped Silicon Nanoparticles 2010 , 183-206		1
3 ¹³	Internal Proton Transfer Leading to Stable Zwitterionic Structures in a Neutral Isolated Peptide. <i>Angewandte Chemie</i> , 2010 , 122, 2382-2385	3.6	3
3 ¹²	Internal proton transfer leading to stable zwitterionic structures in a neutral isolated peptide. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2332-5	16.4	33
3 ¹¹	Infrared spectroscopic characterization of the oxidative dehydrogenation of propane by V4O10+. <i>International Journal of Mass Spectrometry</i> , 2010 , 297, 102-106	1.9	29
3 ¹⁰	Endohedral fullerene research. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010 , 113, 543-546		7
3 ⁰⁹	Laser-induced alignment and orientation of quantum-state-selected large molecules. <i>Physical Review Letters</i> , 2009 , 102, 023001	7.4	257
3 ⁰⁸	Nonadiabatic transitions in electrostatically trapped ammonia molecules. <i>Physical Review A</i> , 2009 , 79,	2.6	30
3 ⁰⁷	Quantum-state selection, alignment, and orientation of large molecules using static electric and laser fields. <i>Journal of Chemical Physics</i> , 2009 , 131, 064309	3.9	134
3 ⁰⁶	Operation of a Stark decelerator with optimum acceptance. <i>Physical Review A</i> , 2009 , 79,	2.6	49
3 ⁰⁵	Nature of Ar bonding to small Co(n+) clusters and its effect on the structure determination by far-infrared absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2009 , 130, 034306	3.9	52
3 ⁰⁴	Focusing a helium atom beam using a quantum-reflection mirror. <i>New Journal of Physics</i> , 2009 , 11, 113030	3.9	9
3 ⁰³	A Stark decelerator on a chip. <i>New Journal of Physics</i> , 2009 , 11, 055024	2.9	24
3 ⁰²	Taming molecular beams; towards a gas-phase molecular laboratory on a chip. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 012063	0.3	5

301	Vibrational spectroscopy of neutral silicon clusters via far-IR-VUV two color ionization. <i>Journal of Chemical Physics</i> , 2009 , 131, 171105	3.9	63
300	Trapping molecules on a chip. <i>Science</i> , 2009 , 324, 1699-702	33.3	79
299	Kalte Moleküle: Herstellung, Anwendungen und Herausforderungen. <i>Angewandte Chemie</i> , 2009 , 121, 6124-6147	3.6	11
298	Reine Proben einzelner Konformere: die Trennung von Stereoisomeren komplexer Moleküle mittels elektrischer Felder. <i>Angewandte Chemie</i> , 2009 , 121, 7033-7035	3.6	8
297	Cold molecules: preparation, applications, and challenges. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6010-31	16.4	83
296	Pure samples of individual conformers: the separation of stereoisomers of complex molecules using electric fields. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6900-2	16.4	59
295	Gas-phase IR spectra of intact helical coiled coil protein complexes. <i>International Journal of Mass Spectrometry</i> , 2009 , 283, 161-168	1.9	17
294	The adsorption of CO on transition metal clusters: A case study of cluster surface chemistry. <i>Surface Science</i> , 2009 , 603, 1427-1433	1.8	85
293	A synchrotron for neutral molecules. <i>Chemical Physics Letters</i> , 2009 , 473, 1-9	2.5	7
292	Structures of silicon cluster cations in the gas phase. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1115-21	16.4	81
291	Messenger-tagging electrosprayed ions: vibrational spectroscopy of suberate dianions. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 5874-80	2.8	92
290	Infrared spectroscopy of the microhydrated nitrate ions NO ₃ ⁻ (H ₂ O) ₍₁₋₆₎ . <i>Journal of Physical Chemistry A</i> , 2009 , 113, 7584-92	2.8	172
289	Probing C-O bond activation on gas-phase transition metal clusters: infrared multiple photon dissociation spectroscopy of Fe, Ru, Re, and W cluster CO complexes. <i>Journal of Chemical Physics</i> , 2009 , 131, 184706	3.9	33
288	Manipulating the motion of large neutral molecules. <i>Faraday Discussions</i> , 2009 , 142, 155-73; discussion 221-55	3.6	24
287	Collision experiments with Stark-decelerated beams. <i>Faraday Discussions</i> , 2009 , 142, 113-26; discussion 221-55	3.6	34
286	Laser-induced 3D alignment and orientation of quantum state-selected molecules. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 9912-8	3.6	83
285	10 K Ring Electrode Trap Tandem Mass Spectrometer for Infrared Spectroscopy of Mass Selected Ions 2009 ,		50
284	Taming molecular beams. <i>Nature Physics</i> , 2008 , 4, 595-602	16.2	197

283	Molecular adsorption of H ₂ on small cationic nickel clusters. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 5743-5	3.6	18
282	ac electric trapping of neutral atoms. <i>Physical Review A</i> , 2008 , 77,	2.6	3
281	The adsorption of CO on group 10 (Ni, Pd, Pt) transition-metal clusters. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6144-9	3.6	82
280	Structures of neutral Au ₇ , Au ₁₉ , and Au ₂₀ clusters in the gas phase. <i>Science</i> , 2008 , 321, 674-6	33.3	522
279	IR spectroscopy of gas-phase C ₆₀ ⁻ . <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6862-6	3.6	14
278	Gas phase vibrational spectroscopy of mass-selected vanadium oxide anions. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 3992-4005	3.6	78
277	Vibrational spectra of small silicon monoxide cluster cations measured by infrared multiple photon dissociation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1502-6	3.6	20
276	Mid-IR spectra of different conformers of phenylalanine in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1248-56	3.6	48
275	Identification of conical structures in small aluminum oxide clusters: infrared spectroscopy of (Al ₂ O ₃) ₁₋₄ (AlO) ⁺ . <i>Journal of the American Chemical Society</i> , 2008 , 130, 15143-9	16.4	46
274	The effect of charge on CO binding in rhodium carbonyls: from bridging to terminal CO. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2126-7	16.4	31
273	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, 1139-49	2.8	68
272	The Zeeman effect in the (0,0) band of the A ⁷ Pi-X ⁷ Sigma(+) transition of manganese monohydride, MnH. <i>Journal of Chemical Physics</i> , 2008 , 129, 164318	3.9	4
271	Reflection of OH molecules from magnetic mirrors. <i>New Journal of Physics</i> , 2008 , 10, 053018	2.9	8
270	Trapping molecules on a chip in traveling potential wells. <i>Physical Review Letters</i> , 2008 , 100, 153003	7.4	60
269	Cryogenic buffer-gas loading and magnetic trapping of CrH and MnH molecules. <i>Physical Review A</i> , 2008 , 78,	2.6	29
268	Motional resonances in a molecular synchrotron. <i>Physical Review A</i> , 2008 , 78,	2.6	11
267	Quantum reflection of helium atom beams from a microstructured grating. <i>Physical Review A</i> , 2008 , 78,	2.6	36
266	Instabilities of molecule motion in a linear ac trap. <i>Physical Review A</i> , 2008 , 77,	2.6	6

265	Stark deceleration of OH radicals in low-field-seeking and high-field-seeking quantum states. <i>Physical Review A</i> , 2008 , 78,	2.6	26
264	Alternating-gradient focusing and deceleration of large molecules. <i>Physical Review A</i> , 2008 , 77,	2.6	56
263	Selector for structural isomers of neutral molecules. <i>Physical Review Letters</i> , 2008 , 100, 133003	7.4	86
262	Manipulation of Molecules with Electric Fields 2008 , 433-480		
261	Physikalische Chemie 2007. <i>Nachrichten Aus Der Chemie</i> , 2008 , 56, 305-307	0.1	1
260	Tuning the geometric structure by doping silicon clusters. <i>ChemPhysChem</i> , 2008 , 9, 703-6	3.2	49
259	Fluxionality and sigma-aromaticity in small yttrium-doped gold clusters. <i>ChemPhysChem</i> , 2008 , 9, 2471-43.2	3.2	35
258	Cold SO ₂ molecules by Stark deceleration. <i>European Physical Journal D</i> , 2008 , 46, 463-469	1.3	17
257	Prospects for precision measurements on ammonia molecules in a fountain. <i>European Physical Journal: Special Topics</i> , 2008 , 163, 55-69	2.3	62
256	The Zeeman tuning of the A 6Sigma+-X 6Sigma+ transition of chromium monohydride. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 949-57	3.6	6
255	Cold collisions catalyse conformational conversion. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 3786-9	3.6	67
254	Argon physisorption as structural probe for endohedrally doped silicon clusters. <i>Physical Review Letters</i> , 2007 , 99, 063401	7.4	77
253	A linear AC trap for polar molecules in their ground state. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 7411-9	2.8	29
252	Hydrogen-induced transition from dissociative to molecular chemisorption of CO on vanadium clusters. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2516-20	16.4	38
251	Unexpected structures of aluminum oxide clusters in the gas phase. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3372-5	16.4	110
250	Controlling the bonding of CO on cobalt clusters by coadsorption of H ₂ . <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5317-20	16.4	17
249	Unerwartete Strukturen von Aluminiumoxidclustern in der Gasphase. <i>Angewandte Chemie</i> , 2007 , 119, 3437-3440	3.6	20
248	Steuerung der Bindungsstärke von CO auf Cobaltclustern durch Coadsorption von H ₂ . <i>Angewandte Chemie</i> , 2007 , 119, 5411-5414	3.6	4

247	Moleküle in Slow Motion – Abbremsen und Speichern kalter Moleküle. <i>Physik in Unserer Zeit</i> , 2007 , 38, 128-133	0.1	4
246	A molecular synchrotron. <i>Nature Physics</i> , 2007 , 3, 115-118	16.2	45
245	The far-infrared spectra of neutral and cationic niobium clusters: Nb ₅ ^{0/+} to Nb ₉ ⁰⁺ . <i>Journal of Chemical Physics</i> , 2007 , 127, 234306	3.9	59
244	Experimental vibrational spectra of gas-phase tantalum cluster cations. <i>Journal of Chemical Physics</i> , 2007 , 127, 234307	3.9	25
243	The radiative lifetime of metastable CO (a 3Pi, v=0). <i>Journal of Chemical Physics</i> , 2007 , 127, 221102	3.9	87
242	Experiments with Stark decelerated and trapped OH radicals. <i>Physica Scripta</i> , 2007 , 76, C69-C72	2.6	2
241	Electrostatic trapping of metastable NH molecules. <i>Physical Review A</i> , 2007 , 76,	2.6	55
240	Trapping of Rb atoms by ac electric fields. <i>Physical Review Letters</i> , 2007 , 98, 223002	7.4	27
239	Stepwise solvation of an amino acid: the appearance of zwitterionic structures. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 7309-16	2.8	118
238	Optical pumping of trapped neutral molecules by blackbody radiation. <i>Physical Review Letters</i> , 2007 , 98, 133001	7.4	67
237	Chapter 8 Vibrational spectroscopy of gas-phase clusters and complexes. <i>Chemical Physics of Solid Surfaces</i> , 2007 , 327-375		29
236	The mid-IR spectra of 9-ethyl guanine, guanosine, and 2-deoxyguanosine. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 7529-36	2.8	43
235	Complex systems in the gas phase 2007 , 153-256		1
234	Alternating gradient focusing and deceleration of polar molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, R263-R291	1.3	58
233	Magnetic trapping of buffer-gas-cooled chromium atoms and prospects for the extension to paramagnetic molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, S1111-S1123	1.3	15
232	Compact in-place gate valve for molecular-beam experiments. <i>Review of Scientific Instruments</i> , 2006 , 77, 016106	1.7	5
231	Resonant infrared laser-induced desorption of methane condensed on NaCl(100): isotope mixture experiments. <i>Journal of Chemical Physics</i> , 2006 , 124, 044704	3.9	17
230	Production and deceleration of a pulsed beam of metastable NH (a ¹ Δ) radicals. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, S1077-S1084	1.3	41

229	Near-threshold inelastic collisions using molecular beams with a tunable velocity. <i>Science</i> , 2006 , 313, 1617-20	33.3	199
228	Versatile electrostatic trap. <i>Physical Review A</i> , 2006 , 73,	2.6	29
227	Transverse stability in a Stark decelerator. <i>Physical Review A</i> , 2006 , 73,	2.6	56
226	Infrared multiphoton ionization of superhot C60: experiment and model calculations. <i>Journal of Chemical Physics</i> , 2006 , 124, 184312	3.9	9
225	Trapping polar molecules in an ac trap. <i>Physical Review A</i> , 2006 , 74,	2.6	33
224	Infrared spectroscopy of hydrated sulfate dianions. <i>Journal of Chemical Physics</i> , 2006 , 125, 111102	3.9	105
223	Optimizing the Stark-decelerator beamline for the trapping of cold molecules using evolutionary strategies. <i>Physical Review A</i> , 2006 , 73,	2.6	16
222	Analytic wave model of Stark deceleration dynamics. <i>Physical Review A</i> , 2006 , 73,	2.6	17
221	Far-infrared spectroscopy of small neutral silver clusters. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 8060-8	3.1	31
220	Size and charge effects on the binding of CO to late transition metal clusters. <i>Journal of Chemical Physics</i> , 2006 , 124, 194305	3.9	95
219	Stark deceleration and trapping of OH radicals. <i>Annual Review of Physical Chemistry</i> , 2006 , 57, 159-90	15.7	75
218	Isomorphous substitution in bimetallic oxide clusters. <i>Physical Review Letters</i> , 2006 , 96, 233401	7.4	55
217	An experimental value for the B(1u) C-H stretch mode in benzene. <i>Journal of Chemical Physics</i> , 2006 , 124, 171101	3.9	63
216	Molecular beams with a tunable velocity. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 2666-76	3.6	35
215	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, 3592-7	16.4	62
214	Infrared spectroscopy of phenylalanine Ag(I) and Zn(II) complexes in the gas phase. <i>Journal of the American Chemical Society</i> , 2006 , 128, 517-25	16.4	226
213	Velocity distribution of CO desorbing from NiO(1 0 0)/Ni(1 0 0) after picosecond UV laser irradiation. <i>Chemical Physics Letters</i> , 2006 , 420, 110-114	2.5	9
212	Gas-phase infrared multiple photon dissociation spectroscopy of mass-selected molecular ions. <i>International Journal of Mass Spectrometry</i> , 2006 , 254, 1-19	1.9	449

211	An infrared spectroscopic study of protonated and cationic indazole. <i>International Journal of Mass Spectrometry</i> , 2006 , 249-250, 199-205	1.9	21
210	Charge-state resolved mid-infrared spectroscopy of a gas-phase protein. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 1345-8	3.6	154
209	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> , 2005 , 109, 5281-8	2.8	56
208	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, 8571-9	16.4	137
207	Spectroscopic evidence for gas-phase formation of successive beta-turns in a three-residue peptide chain. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1388-9	16.4	59
206	Infrared spectroscopy of gas-phase Cr ⁺ coordination complexes: determination of binding sites and electronic states. <i>Journal of the American Chemical Society</i> , 2005 , 127, 7243-54	16.4	92
205	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, 23935-40	16.4	103
204	Direct observation of size dependent activation of NO on gold clusters. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 3906-9	3.6	38
203	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, 8416-23	16.4	157
202	Anharmonic midinfrared vibrational spectra of benzoic acid monomer and dimer. <i>Journal of Chemical Physics</i> , 2005 , 123, 014305	3.9	58
201	Deceleration and Trapping of Polar Molecules 2005 , 337-347		
200	C. Cold Molecules 2005 , 445-474		
199	A Storage Ring for Neutral Molecules. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2005 , 209-287	1.7	15
198	Far-Infrared spectroscopy of isolated transition metal clusters. <i>European Physical Journal D</i> , 2005 , 34, 83-88	1.3	67
197	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> , 2005 , 7, 13-5	3.6	49
196	Folding structures of isolated peptides as revealed by gas-phase mid-infrared spectroscopy. <i>ChemPhysChem</i> , 2005 , 6, 120-8	3.2	95
195	Secondary structures of short peptide chains in the gas phase: double resonance spectroscopy of protected dipeptides. <i>Journal of Chemical Physics</i> , 2005 , 122, 54317	3.9	69
194	Isomer selective infrared spectroscopy of neutral metal clusters. <i>Journal of Chemical Physics</i> , 2005 , 122, 091105	3.9	49

193	Higher-order resonances in a Stark decelerator. <i>Physical Review A</i> , 2005 , 71,	2.6	47
192	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	3.9	69
191	Deceleration and electrostatic trapping of OH radicals. <i>Physical Review Letters</i> , 2005 , 94, 023004	7.4	180
190	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	1.7	273
189	Direct measurement of the radiative lifetime of vibrationally excited OH radicals. <i>Physical Review Letters</i> , 2005 , 95, 013003	7.4	87
188	ac electric trap for ground-state molecules. <i>Physical Review Letters</i> , 2005 , 94, 083001	7.4	107
187	Experimental study of gas phase titanium and aluminum oxide clusters. <i>Astronomy and Astrophysics</i> , 2004 , 420, 547-552	5.1	52
186	Slowing heavy, ground-state molecules using an alternating gradient decelerator. <i>Physical Review Letters</i> , 2004 , 92, 173002	7.4	156
185	Microstructured switchable mirror for polar molecules. <i>Physical Review Letters</i> , 2004 , 93, 020406	7.4	34
184	Gas phase infrared spectroscopy of mono- and divanadium oxide cluster cations. <i>Journal of Chemical Physics</i> , 2004 , 120, 6461-70	3.9	105
183	Dynamics of neutral molecules stored in a ring. <i>Physical Review A</i> , 2004 , 69,	2.6	27
182	Infrared multiple photon dynamics and spectroscopy of cationic PABA and its dehydroxylated fragment ion. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 710	3.6	52
181	Decelerated molecular beams for high-resolution spectroscopy. <i>European Physical Journal D</i> , 2004 , 31, 337-349	1.3	153
180	Probing the vibrations of shared, OH+O-bound protons in the gas phase. <i>ChemPhysChem</i> , 2004 , 5, 740-33.2	3.2	98
179	Infrared spectroscopy of water adsorption on vanadium cluster cations (Vx^+ ; $x=3-8$). <i>Chemical Physics Letters</i> , 2004 , 392, 409-414	2.5	23
178	Hydrated complexes of tryptophan: ion dip infrared spectroscopy in the "molecular fingerprint" region, 1000-2000 cm^{-1} . <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 4546-4552	3.6	77
177	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	3.6	67
176	Structure determination of isolated metal clusters via far-infrared spectroscopy. <i>Physical Review Letters</i> , 2004 , 93, 023401	7.4	148

175	The site of Cr ⁺ attachment to gas-phase aniline from infrared spectroscopy. <i>Journal of the American Chemical Society</i> , 2004 , 126, 724-5	16.4	90
174	Infrared Photodissociation Spectroscopy of the Benzoic Acid Radical Cation in a Quadrupole Trap. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 8273-8278	2.8	25
173	Probing the glycosidic linkage: UV and IR ion-dip spectroscopy of a lactoside. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5709-14	16.4	68
172	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	3.4	100
171	Gas-phase IR spectroscopy of anionic iron carbonyl clusters. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14726-7	16.4	73
170	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> , 2004 , 126, 10981-91	16.4	144
169	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> , 2003 , 125, 15716-7	16.4	57
168	Laboratory Infrared Spectroscopy of Cationic Polycyclic Aromatic Hydrocarbon Molecules. <i>Astrophysical Journal</i> , 2003 , 591, 968-985	4.7	216
167	Infrared multiple photon dissociation spectroscopy of transition metal oxide cluster cations. <i>European Physical Journal D</i> , 2003 , 24, 69-72	1.3	55
166	The infrared spectrum of the benzoyl cation. <i>Chemical Physics Letters</i> , 2003 , 367, 576-580	2.5	21
165	Infrared gas phase absorption spectra of neutral and cationic toluene-argon complexes. <i>Chemical Physics Letters</i> , 2003 , 371, 469-475	2.5	2
164	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> , 2003 , 507, 494-497	1.2	11
163	FEL induced dynamics of small molecules on surfaces: N ₂ O on NaCl(100). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 507, 556-560	1.2	6
162	Infrared spectroscopy of niobium oxide cluster cations in a molecular beam: identifying the cluster structures. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3659-67	16.4	94
161	Vibrational spectroscopy of CO in gas-phase rhodium cluster-CO complexes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11184-5	16.4	50
160	Production and application of translationally cold molecules. <i>International Reviews in Physical Chemistry</i> , 2003 , 22, 73-128	7	204
159	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	2.8	111
158	Vibrational and Electronic Spectroscopy of Acenaphthylene and Its Cation. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 782-793	2.8	42

157	Infrared spectroscopy of neutral C ₇ H ₇ isomers: benzyl and tropyli. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15714-5	16.4	25
156	Structure determination of gas phase aluminum oxide clusters. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 2515	3.6	59
155	2. Spectroscopic applications using ring-down cavities. <i>Experimental Methods in the Physical Sciences</i> , 2003 , 40, 47-82	0.4	3
154	Fingerprint IR spectroscopy to probe amino acid conformations in the gas phase. <i>Physical Review Letters</i> , 2003 , 91, 203003	7.4	117
153	Probing a strong hydrogen bond with infrared spectroscopy: Vibrational predissociation of BrHBr ⁺ Ar. <i>Journal of Chemical Physics</i> , 2003 , 118, 5275-5278	3.9	47
152	The infrared absorption spectrum of the gas phase neutral benzoic acid monomer and dimer. <i>Journal of Chemical Physics</i> , 2003 , 119, 11180-11185	3.9	64
151	Atomic clusters of magnetic oxides: Structure and phonons. <i>Journal of Applied Physics</i> , 2003 , 93, 7379-7384	3.8	13
150	Optical pumping of metastable NH radicals into the paramagnetic ground state. <i>Physical Review A</i> , 2003 , 68,	2.6	17
149	Phase space manipulation of cold free radical OH molecules. <i>Physical Review Letters</i> , 2003 , 91, 243001	7.4	135
148	FEL induced dynamics of small molecules on surfaces: N ₂ O on NaCl(100) 2003 , 556-560		1
147	Cold molecules. <i>ChemPhysChem</i> , 2002 , 3, 495-501	3.2	17
146	Experimental observation of laser-induced coherent ion motion in a quadrupole trap. <i>International Journal of Mass Spectrometry</i> , 2002 , 221, 163-176	1.9	5
145	IR multiphoton depletion spectroscopy of metal cluster-ligand complexes. <i>Chemical Physics Letters</i> , 2002 , 357, 195-203	2.5	30
144	Vibrational lifetimes of aniline-noble gas complexes. <i>Chemical Physics Letters</i> , 2002 , 359, 163-168	2.5	11
143	The infrared spectrum of Al ⁺ -Benzene in the gas phase. <i>Chemical Physics Letters</i> , 2002 , 364, 345-351	2.5	35
142	Structure determination of gas-phase niobium and tantalum carbide nanocrystals via infrared spectroscopy. <i>Physical Review Letters</i> , 2002 , 89, 013401	7.4	23
141	Alternate gradient focusing and deceleration of a molecular beam. <i>Physical Review Letters</i> , 2002 , 88, 133003	7.4	101
140	Longitudinal focusing and cooling of a molecular beam. <i>Physical Review Letters</i> , 2002 , 89, 093004	7.4	62

139	Hyperfine structure of ND ₃ . <i>Physical Review A</i> , 2002 , 66,	2.6	26
138	Deceleration and trapping of ammonia using time-varying electric fields. <i>Physical Review A</i> , 2002 , 65,	2.6	194
137	Infrared resonance-enhanced multiphoton ionization spectroscopy of magnesium oxide clusters. <i>Journal of Chemical Physics</i> , 2002 , 116, 2400-2406	3.9	37
136	Infrared spectra of gas-phase V(+)-(benzene) and V(+)-(benzene) ₂ complexes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1562-3	16.4	97
135	Resonant infrared laser-induced desorption of CD ₃ F condensed on NaCl(100). <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 3448-3452	3.6	6
134	Mass-selected infrared photodissociation spectroscopy of V ₄ O ₁₀ ⁺ . <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 1101-1104	3.6	135
133	Infrared photodissociation spectroscopy of benzene _n Ne,Ar complex cations. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 24-33	3.6	40
132	Gas phase infrared spectroscopy of cluster anions as a function of size: The effect of solvation on hydrogen-bonding in Br _n (HBr) _{1,2,3} clusters. <i>Journal of Chemical Physics</i> , 2002 , 117, 6493-6499	3.9	35
131	Infrared laser-induced desorption of N ₂ O condensed on NaCl(100). <i>Surface Science</i> , 2002 , 502-503, 325-330	3.3	13
130	Gas-Phase Infrared Spectrum of the Coronene Cation. <i>Astrophysical Journal</i> , 2001 , 560, L99-L103	4.7	60
129	Near-infrared cavity enhanced absorption spectroscopy of hot water and OH in an oven and in flames. <i>Applied Physics B: Lasers and Optics</i> , 2001 , 73, 65-70	1.9	23
128	Vibrational spectroscopy of gas-phase neutral and cationic phenanthrene in their electronic groundstates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001 , 57, 717-35	4.4	34
127	IR-REMPI of vanadium-carbide nanocrystals: Ideal versus truncated lattices. <i>Chemical Physics Letters</i> , 2001 , 333, 350-357	2.5	27
126	Cavity enhanced absorption spectroscopy in the 10 μm region using a waveguide CO ₂ laser. <i>Chemical Physics Letters</i> , 2001 , 337, 231-236	2.5	15
125	Infrared spectroscopy of Ti ₈ C ₁₂ 'met-car' cations. <i>Chemical Physics Letters</i> , 2001 , 349, 220-226	2.5	22
124	A prototype storage ring for neutral molecules. <i>Nature</i> , 2001 , 411, 174-6	50.4	137
123	Accumulating NH radicals in a magnetic trap. <i>Physical Review A</i> , 2001 , 64,	2.6	61
122	Gas Phase Infrared Spectroscopy of Cationic Indane, Acenaphthene, Fluorene, and Fluoranthene. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 8302-8309	2.8	75

121	Compressibility of CO intercalated C60 crystals. <i>Chemical Physics Letters</i> , 2000 , 319, 283-286	2.5	3
120	Electrostatic trapping of ammonia molecules. <i>Nature</i> , 2000 , 406, 491-4	50.4	417
119	IR-REMPI spectroscopy for thermometry of C60. <i>Chemical Physics Letters</i> , 2000 , 321, 508-513	2.5	10
118	Gas-phase infrared spectroscopy on the lowest triplet state of the pyrazine-Ar complex. <i>Chemical Physics Letters</i> , 2000 , 317, 197-202	2.5	8
117	Infrared spectroscopy of gas-phase zirconium oxide clusters. <i>Chemical Physics</i> , 2000 , 262, 31-39	2.3	60
116	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	1.9	63
115	Gas-Phase Infrared Photodissociation Spectroscopy of Cationic Polyaromatic Hydrocarbons. <i>Astrophysical Journal</i> , 2000 , 542, 404-410	4.7	160
114	Trapping neutral molecules in a traveling potential well. <i>Physical Review Letters</i> , 2000 , 84, 5744-7	7.4	132
113	Evidence for orientational tunneling of CO intercalated in C60: A nuclear magnetic resonance study. <i>Journal of Chemical Physics</i> , 2000 , 113, 5141	3.9	5
112	Cavity ring-down spectroscopy: Experimental schemes and applications. <i>International Reviews in Physical Chemistry</i> , 2000 , 19, 565-607	7	677
111	Titanium carbide nanocrystals in circumstellar environments. <i>Science</i> , 2000 , 288, 313-6	33.3	119
110	An infrared study on CO intercalated in solid C60. <i>Journal of Chemical Physics</i> , 1999 , 110, 2129-2139	3.9	10
109	Infrared spectroscopy of jet-cooled neutral and ionized aniline-Ar. <i>Journal of Chemical Physics</i> , 1999 , 110, 2010-2015	3.9	97
108	Decelerating Neutral Dipolar Molecules. <i>Physical Review Letters</i> , 1999 , 83, 1558-1561	7.4	554
107	The infrared spectrum of the benzene-Ar cation. <i>Journal of Chemical Physics</i> , 1999 , 111, 10750-10753	3.9	68
106	Cavity ring down spectroscopy on solid C60. <i>Journal of Chemical Physics</i> , 1999 , 110, 2732-2733	3.9	49
105	Infrared resonance enhanced multi-photon ionization spectroscopy of C84. <i>Chemical Physics Letters</i> , 1999 , 299, 171-176	2.5	20
104	Cavity-enhanced absorption spectroscopy of the 1.5 μ m band system of jet-cooled ammonia. <i>Chemical Physics Letters</i> , 1999 , 307, 131-138	2.5	47

103	Vibrational Spectroscopy of Gas-Phase Metal-Carbide Clusters and Nanocrystals. <i>Physical Review Letters</i> , 1999 , 83, 4983-4986	7.4	97
102	Fourier Transform and Polarization Dependent Cavity-Ringdown Spectroscopy. <i>ACS Symposium Series</i> , 1999 , 146-161	0.4	
101	Motion of CO Molecules in Solid C60 Probed by Solid-State NMR. <i>Journal of the American Chemical Society</i> , 1999 , 121, 199-207	16.4	15
100	Introduction. <i>Optics Express</i> , 1999 , 4, 44-5	3.3	3
99	Excitation of C60 using a chirped free electron laser. <i>Optics Express</i> , 1999 , 4, 46-52	3.3	28
98	Infrared Spectroscopy of Jet-cooled Cationic Polyaromatic Hydrocarbons: Naphthalene[TSUP] ⁺ [/TSUP]. <i>Astrophysical Journal</i> , 1999 , 520, L75-L78	4.7	64
97	IR spectroscopy on gas-phase molecules with a free electron laser. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1998 , 144, 211-217	1.2	4
96	Pulsed ENDOR studies at 95 GHz of the triplet state of ¹³ C60. <i>Journal of Magnetic Resonance</i> , 1998 , 131, 39-45	3	19
95	Photochemistry of solid C60 with tunable infrared radiation. <i>Applied Physics A: Materials Science and Processing</i> , 1998 , 67, 161-167	2.6	1
94	Phase transitions of CO-intercalated C 60 crystals. <i>Europhysics Letters</i> , 1998 , 43, 302-307	1.6	12
93	Cavity enhanced absorption and cavity enhanced magnetic rotation spectroscopy. <i>Review of Scientific Instruments</i> , 1998 , 69, 3763-3769	1.7	250
92	Dynamics of CO Molecules in Solid C60 as a Function of Cavity Size. <i>Physical Review Letters</i> , 1998 , 80, 4899-4902	7.4	22
91	Cavity-ring-down spectroscopy on the oxygen A band in magnetic fields up to 20 T. <i>Physical Review A</i> , 1998 , 58, 3114-3123	2.6	17
90	Shedding New Light on Thermionic Electron Emission of Fullerenes. <i>Physical Review Letters</i> , 1998 , 81, 1825-1828	7.4	57
89	Rotational order in CO-intercalated C60 crystals. <i>Physical Review B</i> , 1998 , 57, 6321-6324	3.3	40
88	State-to-state Scattering of Metastable CO Molecules from a LiF(100) Surface. <i>Physical Review Letters</i> , 1997 , 78, 1375-1378	7.4	19
87	Rovibrational Motion of CO in Solid C60. <i>Physical Review Letters</i> , 1997 , 79, 1138-1141	7.4	50
86	Infrared Resonance Enhanced Multiphoton Ionization of Fullerenes. <i>Physical Review Letters</i> , 1997 , 79, 5234-5237	7.4	66

85	Relative predissociation rates of OH ($A^2\Pi, v'=3$) from combined cavity ring down laser-induced fluorescence measurements. <i>Journal of Chemical Physics</i> , 1997 , 107, 2242-2248	3.9	43
84	State-to-state scattering of metastable CO molecules from a LiF (100) surface. <i>Journal of Chemical Physics</i> , 1997 , 107, 252-261	3.9	18
83	A reanalysis of the k_3 state of CO. <i>Journal of Chemical Physics</i> , 1997 , 107, 8303-8310	3.9	20
82	State-specific lifetime determination of the 3_3 state in CO. <i>Journal of Chemical Physics</i> , 1997 , 107, 7034-7040	3.9	30
81	Polarization dependent cavity ring down spectroscopy. <i>Journal of Chemical Physics</i> , 1997 , 107, 4458-4467	3.9	67
80	Doppler-free two-photon spectroscopy on the $S_1 \leftarrow S_0$ origin band of 1,4-diazabicyclo[2,2,2]octane (DABCO). <i>Chemical Physics Letters</i> , 1997 , 265, 204-208	2.5	6
79	Cavity ring down spectroscopy with a free-electron laser. <i>Chemical Physics Letters</i> , 1997 , 269, 293-297	2.5	22
78	Confining CO molecules in stable orbits. <i>Chemical Physics Letters</i> , 1997 , 270, 304-308	2.5	29
77	Scattering of vibrationally and electronically excited CO molecules from a LiF(100) surface. <i>Chemical Physics Letters</i> , 1997 , 273, 147-152	2.5	15
76	Infrared Spectroscopy of Ionic PAHs and Related Compounds. <i>Springer Proceedings in Physics</i> , 1997 , 545-548	2.5	48
75	A Fourier transform cavity ring down spectrometer. <i>Review of Scientific Instruments</i> , 1996 , 67, 2708-2713	3.7	70
74	Phase shift cavity ring down absorption spectroscopy. <i>Chemical Physics Letters</i> , 1996 , 262, 105-109	2.5	141
73	Mass selective infrared spectroscopy using a free electron laser. <i>Chemical Physics Letters</i> , 1996 , 258, 118-122	2.5	44
72	Photoluminescence of molecular C70 at 1.5 K. On the nature of the lowest excited states. <i>Chemical Physics Letters</i> , 1996 , 261, 495-501	2.5	20
71	High Rydberg states of DABCO: Spectroscopy, ionization potential, and comparison with mass analyzed threshold ionization. <i>Journal of Chemical Physics</i> , 1996 , 104, 4357-4364	3.9	39
70	O ₂ photoabsorption in the 40 950–1 300 cm ⁻¹ region: New Herzberg bands, new absorption lines, and improved spectroscopic data. <i>Journal of Chemical Physics</i> , 1996 , 105, 9393-9402	3.9	16
69	A study on the structure and vibrations of diphenylamine by resonance-enhanced multiphoton ionization spectroscopy and ab initio calculations. <i>Journal of Chemical Physics</i> , 1996 , 105, 8556-8568	3.9	16
68	Lowest Excited Singlet State of C60: A Vibronic Analysis of the Fluorescence. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 11644-11649		53

67	Measurement of the beam intensity in a laser desorption jet-cooling mass spectrometer. <i>Journal of Chemical Physics</i> , 1995 , 103, 5269-5274	3.9	23
66	Two-dimensional imaging of metastable CO molecules. <i>Journal of Chemical Physics</i> , 1995 , 102, 1925-1933	3.9	40
65	Trace gas detection with cavity ring down spectroscopy. <i>Review of Scientific Instruments</i> , 1995 , 66, 2821-2828	2.8	140
64	On the fluorescence of crystalline C60 at 1.2 K. <i>Chemical Physics Letters</i> , 1995 , 233, 284-290	2.5	79
63	Production and characterization of crystalline ¹³ C60. <i>Chemical Physics Letters</i> , 1995 , 240, 165-171	2.5	5
62	Harmless carbon tubes around dangerous asbestos fibres. <i>Carbon</i> , 1994 , 32, 363-366	10.4	1
61	Double-Resonance Spectroscopy on Triplet States of CO. <i>Journal of Molecular Spectroscopy</i> , 1994 , 165, 303-314	1.3	23
60	Coherent cavity ring down spectroscopy. <i>Chemical Physics Letters</i> , 1994 , 217, 112-116	2.5	138
59	Hexagonal close-packed C60. <i>Chemical Physics Letters</i> , 1994 , 219, 469-472	2.5	50
58	Low-temperature structure of solid C70. <i>Chemical Physics Letters</i> , 1994 , 223, 323-328	2.5	50
57	A demonstration of the Franck-Condon principle upon ionization. <i>Chemical Physics Letters</i> , 1994 , 223, 537-540	2.5	11
56	Phosphorescence of C60 at 1.2 K. <i>Chemical Physics Letters</i> , 1994 , 231, 111-118	2.5	63
55	Branch intensities and oscillator strengths for the Herzberg absorption systems in oxygen. <i>Canadian Journal of Physics</i> , 1994 , 72, 1109-1121	1.1	59
54	Degenerate four-wave mixing with a tunable excimer laser. <i>Applied Optics</i> , 1994 , 33, 3289-95	1.7	8
53	Structural phase transitions in C70. <i>Europhysics Letters</i> , 1993 , 21, 329-334	1.6	67
52	Lattice vibrations in crystalline C70. <i>Physical Review B</i> , 1993 , 47, 7610-7613	3.3	57
51	Triplet excitations of crystalline C60. An optically detected magnetic-resonance study in zero field. <i>Chemical Physics Letters</i> , 1993 , 214, 349-352	2.5	19
50	Structure and lattice dynamics of the ordered phase of solid C70. <i>Chemical Physics Letters</i> , 1993 , 207, 343-348	2.5	21

49	Raman scattering in electronically excited C60. <i>Chemical Physics Letters</i> , 1993 , 205, 191-196	2.5	50
48	Growth phenomena on C60 crystals. <i>Chemical Physics Letters</i> , 1993 , 216, 72-80	2.5	19
47	Structures and phase transitions in C60 and C70 fullerites. <i>Ultramicroscopy</i> , 1993 , 51, 168-188	3.1	18
46	Structure and Lattice Dynamics of C70 Single Crystals. <i>Springer Series in Solid-state Sciences</i> , 1993 , 154-161	4	14
45	Phase transitions in fullerene (C60) and the related microstructure: a study by electron diffraction and electron microscopy. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 7424-7430		40
44	van Loosdrecht, van Bentum, and Meijer reply. <i>Physical Review Letters</i> , 1992 , 69, 1147	7.4	1
43	Rotational ordering transition in single-crystal C60 studied by Raman spectroscopy. <i>Physical Review Letters</i> , 1992 , 68, 1176-1179	7.4	102
42	New orientationally ordered low-temperature superstructure in high-purity C60. <i>Physical Review Letters</i> , 1992 , 69, 1065-1068	7.4	73
41	Intracavity C atom absorption in the tuning range of the ArF excimer laser. <i>Journal of Chemical Physics</i> , 1992 , 96, 3350-3351	3.9	7
40	Laser-induced fluorescence imaging in a 100 kW natural gas flame. <i>Applied Physics B: Lasers and Optics</i> , 1992 , 55, 164-170	1.9	19
39	The structure of different phases of pure C70 crystals. <i>Chemical Physics</i> , 1992 , 166, 287-297	2.3	176
38	Spectroscopy on triphenylamine and its van der Waals complexes. <i>Chemical Physics</i> , 1992 , 163, 209-222	2.3	44
37	One- and Two-Dimensional NMR Studies. <i>ACS Symposium Series</i> , 1992 , 107-116	0.4	1
36	Degenerate four-wave mixing on weak transitions in the gas phase using a tunable excimer laser. <i>Chemical Physics Letters</i> , 1992 , 192, 1-4	2.5	21
35	Raman scattering in single crystal C60. <i>Chemical Physics Letters</i> , 1992 , 198, 587-595	2.5	105
34	Growth and morphology of C60 crystals. <i>Chemical Physics Letters</i> , 1992 , 191, 339-344	2.5	80
33	Triplet excitation of C60 and the structure of the crystal at 1.2 K. <i>Chemical Physics Letters</i> , 1992 , 197, 314-318	2.5	67
32	Production of an intense pulsed beam of oriented metastable CO a π . <i>Chemical Physics Letters</i> , 1992 , 200, 108-112	2.5	18

31	Unfilled orbitals of C60 and C70 from carbon K-shell X-ray absorption fine structure. <i>Chemical Physics Letters</i> , 1991 , 182, 491-496	2.5	120
30	Vibrational Raman and infrared spectra of chromatographically separated C60 and C70 fullerene clusters. <i>Chemical Physics Letters</i> , 1991 , 179, 181-186	2.5	616
29	2D Nuclear magnetic resonance study of the structure of the fullerene C70. <i>Journal of the American Chemical Society</i> , 1991 , 113, 3619-3621	16.4	132
28	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		426
27	NMR determination of the bond lengths in C60. <i>Journal of the American Chemical Society</i> , 1991 , 113, 3190-3192	16.4	359
26	Laser desorption jet-cooling spectroscopy of the benzoic acid monomer. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 4394-4396		32
25	Solution and Solid State NMR Studies of the Structure and Dynamics of C60 and C70. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 206, 715		5
24	Laser Deposition, Vibrational Spectroscopy, NMR Spectroscopy and STM Imaging of C60 and C70. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 206, 619		9
23	Imaging C60 clusters on a surface using a scanning tunnelling microscope. <i>Nature</i> , 1990 , 348, 621-622	50.4	235
22	Laser desorption jet-cooling of organic molecules. <i>Applied Physics B: Lasers and Optics</i> , 1990 , 51, 395-403	1.9	151
21	Laser evaporation as a source of small free radicals. <i>Applied Physics B: Lasers and Optics</i> , 1990 , 50, 35-38	1.9	16
20	The vibrational Raman spectra of purified solid films of C60 and C70. <i>Chemical Physics Letters</i> , 1990 , 174, 219-222	2.5	339
19	Mass spectroscopic confirmation of the presence of C60 in laboratory-produced carbon dust. <i>Chemical Physics Letters</i> , 1990 , 175, 1-2	2.5	55
18	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	3.9	105
17	Laser desorption jet-cooling spectroscopy of para-amino benzoic acid monomer, dimer, and clusters. <i>Journal of Chemical Physics</i> , 1990 , 92, 7625-7635	3.9	52
16	C60 has icosahedral symmetry. <i>Journal of the American Chemical Society</i> , 1990 , 112, 8983-8984	16.4	212
15	Fluorescence imaging inside an internal combustion engine using tunable excimer lasers. <i>Applied Optics</i> , 1990 , 29, 2392-404	1.7	134
14	High-resolution spectroscopy on the transition in SiCl2. <i>Journal of Molecular Spectroscopy</i> , 1989 , 138, 251-263	1.3	8

13	High-resolution study of the NO E $2\pi \leftarrow A 2\pi$ transition by pulsed-cw double resonance. <i>Chemical Physics Letters</i> , 1988 , 147, 525-528	2.5	4
12	High-resolution spectroscopy of highly excited electronic states by pulsed-cw double resonance in a molecular beam. A study of the NO(E-A) system. <i>Chemical Physics</i> , 1988 , 127, 173-187	2.3	12
11	High-sensitivity detection of NO in a flame using a tunable ArF laser. <i>Optics Letters</i> , 1988 , 13, 910-2	3	48
10	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, 365-78	1.7	191
9	Predissociation of O ₂ in the B state. <i>Journal of Chemical Physics</i> , 1988 , 89, 1929-1935	3.9	40
8	State-selective detection of CO using a tunable ArF excimer laser. <i>Journal of Chemical Physics</i> , 1988 , 89, 2588-2589	3.9	25
7	The C-A emission in water: Theory and experiment. <i>Journal of Chemical Physics</i> , 1987 , 87, 4310-4314	3.9	38
6	High-resolution spectroscopy on the B $2\pi, \pi=0 \rightarrow X2\pi=1$ transition in SiCl. <i>Chemical Physics Letters</i> , 1987 , 136, 519-526	2.5	13
5	High-resolution lamb dip spectroscopy on OD and SiCl in a molecular beam. <i>Chemical Physics Letters</i> , 1987 , 139, 603-611	2.5	17
4	High Resolution UV Studies of Free Radicals. <i>Springer Series in Optical Sciences</i> , 1987 , 216-218	0.5	
3	Sensitive quantum state selective detection of H ₂ O and D ₂ O by (2+1)-resonance enhanced multiphoton ionization. <i>Journal of Chemical Physics</i> , 1986 , 85, 6914-6922	3.9	63
2	A new design for a traveling-wave Zeeman decelerator: I. Theory. <i>New Journal of Physics</i> ,	2.9	3
1	A New Design for a Traveling-Wave Zeeman Decelerator: II. Experiment. <i>New Journal of Physics</i> ,	2.9	4