

Paul Scheier

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494
papers

10,689
citations

50
h-index

75
g-index

509
ext. papers

11,337
ext. citations

3.5
avg, IF

5.84
L-index

#	Paper	IF	Citations
494	Electron attachment to uracil: effective destruction at subexcitation energies. <i>Physical Review Letters</i> , 2003 , 90, 188104	7.4	289
493	On the unimolecular fragmentation of C60+ fullerene ions: The comparison of measured and calculated breakdown patterns. <i>Journal of Chemical Physics</i> , 1993 , 98, 9624-9634	3.9	188
492	Bond- and site-selective loss of H atoms from nucleobases by very-low-energy electrons (. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6941-3	16.4	183
491	Electron Attachment to the Gas-Phase DNA Bases Cytosine and Thymine. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 6562-6569	2.8	181
490	Inelastic electron interaction (attachment/ionization) with deoxyribose. <i>Journal of Chemical Physics</i> , 2004 , 120, 8505-11	3.9	177
489	Electron attachment to the DNA bases thymine and cytosine. <i>Chemical Physics Letters</i> , 2003 , 377, 74-80	2.5	146
488	Vibrational Feshbach resonances in uracil and thymine. <i>Journal of Chemical Physics</i> , 2006 , 124, 124310	3.9	145
487	Bond- and site-selective loss of H- from pyrimidine bases. <i>Physical Review Letters</i> , 2005 , 95, 093201	7.4	143
486	Decomposition of thymidine by low-energy electrons: implications for the molecular mechanisms of single-strand breaks in DNA. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1893-6	16.4	117
485	Dissociative electron attachment to furan, tetrahydrofuran, and fructose. <i>Journal of Chemical Physics</i> , 2006 , 125, 44304	3.9	116
484	High resolution dissociative electron attachment to gas phase adenine. <i>Journal of Chemical Physics</i> , 2006 , 125, 084304	3.9	104
483	Free electron attachment to C60 and C70. <i>Chemical Physics Letters</i> , 1993 , 203, 232-236	2.5	97
482	The virtual atomic and molecular data centre (VAMDC) consortium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 074003	1.3	97
481	Bond-selective H- ion abstraction from thymine. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1647-50	16.4	96
480	Unimolecular decay of metastable Ar cluster ions. Evolution of magic numbers in Ar cluster mass spectra. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1986 , 74, 281-301		96
479	Electron attachment to gas-phase uracil. <i>Journal of Chemical Physics</i> , 2004 , 120, 6557-65	3.9	90
478	Inelastic interactions of protons and electrons with biologically relevant molecules. <i>European Physical Journal D</i> , 2002 , 20, 459-468	1.3	89

477	Mass spectrometric investigation of anions formed upon free electron attachment to nucleobase molecules and clusters embedded in superfluid helium droplets. <i>Physical Review Letters</i> , 2006 , 97, 043201	7.4	88
476	Dissociative electron attachment to formic acid (HCOOH). <i>Chemical Physics Letters</i> , 2002 , 361, 277-284	2.5	88
475	Observation of the septuply charged ion C60 ⁷⁺ and its metastable decay into two charged fragments via superasymmetric fission. <i>Physical Review Letters</i> , 1994 , 73, 54-57	7.4	85
474	Cold physics and chemistry: Collisions, ionization and reactions inside helium nanodroplets close to zero K. <i>Physics Reports</i> , 2018 , 751, 1-90	27.7	83
473	Bond selective dissociative electron attachment to thymine. <i>Journal of Chemical Physics</i> , 2005 , 123, 124303	3.9	80
472	The submersion of sodium clusters in helium nanodroplets: identification of the surface → interior transition. <i>Journal of Chemical Physics</i> , 2011 , 135, 044309	3.9	78
471	Direct experimental evidence for a negative heat capacity in the liquid-to-gas phase transition in hydrogen cluster ions: backbending of the caloric curve. <i>Physical Review Letters</i> , 2002 , 89, 183403	7.4	77
470	Total, partial, and electron-capture cross sections for ionization of water vapor by 20-150 keV protons. <i>Physical Review Letters</i> , 2001 , 86, 3751-4	7.4	74
469	Absolute partial and total cross-section functions for the electron impact ionization of C60 and C70. <i>Journal of Chemical Physics</i> , 1996 , 105, 1880-1896	3.9	73
468	Dissociative electron attachment to gas phase alanine. <i>Chemical Physics Letters</i> , 2005 , 403, 107-112	2.5	72
467	Self-consistent determination of fullerene binding energies BE (C _n ⁺), n=58-74. <i>Journal of Chemical Physics</i> , 1996 , 104, 1225-1231	3.9	71
466	Observation of sequential decay series in metastable Ar clusters: Ar _n ^{+*} → Ar _{n-1} ^{+*} → Ar _{n-2} [*] . <i>Physical Review Letters</i> , 1987 , 59, 1813-1816	7.4	71
465	Ionization of water by (20-150)-keV protons: Separation of direct-ionization and electron-capture processes. <i>Physical Review A</i> , 2004 , 70,	2.6	69
464	Atomically resolved phase transition of fullerene cations solvated in helium droplets. <i>Nature Communications</i> , 2016 , 7, 13550	17.4	68
463	Appearance and ionization energies of multiply-charged C70 parent ions produced by electron impact ionization. <i>Chemical Physics Letters</i> , 1997 , 264, 149-156	2.5	67
462	Superasymmetric Fission of Multiply Charged Fullerene Ions. <i>Physical Review Letters</i> , 1995 , 74, 3368-3371	7.4	66
461	Appearance and ionization energies of singly, doubly and triply charged C60 and its fragment ions produced by electron impact ionization. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1994 , 138, 77-93		65
460	Appearance and ionization energies of Cz+60-2m and Cz+70-2m ions (with z and m up to 4) produced by electron impact ionization of C60 and C70, respectively. <i>Journal of Chemical Physics</i> , 1994 , 101, 8674-8679	3.9	63

459	Fragmentation of transient water anions following low-energy electron capture by H ₂ O/D ₂ O. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, 3935-3944	1.3	62
458	Dissociative electron attachment to gas-phase glycine. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 1115-9	4.4	62
457	Structures, energetics, and dynamics of helium adsorbed on isolated fullerene ions. <i>Physical Review Letters</i> , 2012 , 108, 076101	7.4	60
456	High-resolution mass spectrometric study of pure helium droplets, and droplets doped with krypton. <i>European Physical Journal D</i> , 2011 , 63, 209-214	1.3	60
455	Production and stability of neon cluster ions up to Ne ⁺⁹⁰ . <i>Chemical Physics Letters</i> , 1987 , 137, 245-249	2.5	58
454	Triply charged argon clusters: production and stability (appearance energy and appearance size). <i>Chemical Physics Letters</i> , 1987 , 136, 423-426	2.5	58
453	Dissociative electron attachment cross section to CHCl ₃ using a high resolution crossed beams technique. <i>Journal of Chemical Physics</i> , 1997 , 107, 8955-8962	3.9	57
452	Dissociative electron attachment to acetic acid (CH ₃ COOH). <i>Chemical Physics Letters</i> , 2003 , 378, 250-256	2.5	57
451	Direct Evidence for the Sequential Decay C ₆₀ ^{z+-->} C ₅₈ ^{z+-->} C ₅₆ ^{z+ -->} . <i>Physical Review Letters</i> , 1996 , 77, 2654-2657	7.4	56
450	Partial cross sections for positive and negative ion formation following electron impact on uracil. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, 3013-3020	1.3	55
449	Threshold electron impact ionization studies of uracil. <i>International Journal of Mass Spectrometry</i> , 2004 , 238, 47-53	1.9	54
448	Influence of functional groups on the site-selective dissociation of adenine upon low-energy electron attachment. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5238-41	16.4	53
447	High-resolution kinetic energy release distributions and dissociation energies for fullerene ions C _n ⁺ , 42 <i>Journal of Chemical Physics</i> , 2004 , 121, 2137-43	3.9	53
446	Ultracold water cluster anions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5573-8	16.4	52
445	Electron attachment to 5-chloro uracil. <i>Journal of Chemical Physics</i> , 2003 , 118, 4107-4114	3.9	51
444	Experimental evidence for the time dependence of the metastable decay rate of Ne cluster ions: A further key to the magic number problem. <i>Journal of Chemical Physics</i> , 1987 , 87, 1456-1458	3.9	50
443	Doubly charged argon clusters and their critical size. <i>Journal of Chemical Physics</i> , 1987 , 86, 3056-3057	3.9	50
442	Adsorption of hydrogen on neutral and charged fullerene: experiment and theory. <i>Journal of Chemical Physics</i> , 2013 , 138, 074311	3.9	49

441	Free-electron attachment to coronene and corannulene in the gas phase. <i>Journal of Chemical Physics</i> , 2005 , 123, 104308	3.9	49
440	Detection of Negative Charge Carriers in Superfluid Helium Droplets: The Metastable Anions He and He. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2444-2449	6.4	48
439	Extracting cluster distributions from mass spectra: IsotopeFit. <i>International Journal of Mass Spectrometry</i> , 2015 , 379, 194-199	1.9	48
438	Energy gap of silicon clusters studied by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2000 , 62, 6892-6895	3.3	47
437	Kinetic energy release distributions and evaporation energies for metastable fullerene ions. <i>Chemical Physics Letters</i> , 1999 , 303, 379-386	2.5	47
436	Electron Impact Ionization of C60. <i>Physical Review Letters</i> , 1995 , 74, 3364-3367	7.4	47
435	NCO(-), a key fragment upon dissociative electron attachment and electron transfer to pyrimidine bases: site selectivity for a slow decay process. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 1787-97	3.5	46
434	Combined experimental and theoretical study on the nature and the metastable decay pathways of the amino acid ion fragment [M-H]-. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8057-9	16.4	46
433	Binding energy of C60+ revisited [What is the problem?]. <i>Chemical Physics Letters</i> , 2001 , 348, 194-202	2.5	45
432	Absolute partial and total electron impact ionization cross sections for C3H8 from threshold up to 950 eV. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993 , 25, 217-226		45
431	Solvation of Na+, K+, and their dimers in helium. <i>Chemistry - A European Journal</i> , 2012 , 18, 4411-8	4.8	44
430	Low Energy Dissociative Electron Attachment to Ozone. <i>Physical Review Letters</i> , 1999 , 82, 5028-5031	7.4	44
429	Ion-molecule reactions in helium nanodroplets doped with C60 and water clusters. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8940-3	16.4	42
428	Electron-impact ionization of helium clusters close to the threshold: appearance energies. <i>Journal of Chemical Physics</i> , 2006 , 124, 054320	3.9	42
427	Dissociative ionization of the nucleosides thymidine and uridine by electron impact. <i>Chemical Physics Letters</i> , 2005 , 409, 270-276	2.5	42
426	Dissociative electron attachment study to nitromethane. <i>Journal of Chemical Physics</i> , 2002 , 117, 7989-7994	3.4	42
425	Charge Separation Processes of Multiply-Charged Fullerene Ions C60-2mz+, with 0. Itoreq. m .ltoreq. 7 and 3. Itoreq. z .ltoreq. 7. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 15428-15437		42
424	Measured appearance energies of fragment ions produced by electron impact on. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996 , 29, 5193-5198	1.3	41

4 ²³	Dissociative electron attachment to gas phase glycine: exploring the decomposition pathways by mass separation of isobaric fragment anions. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 5680-5	3.6	4 ¹
4 ²²	Electron-impact induced fragmentation of fullerene ions. <i>Physical Review Letters</i> , 2000 , 85, 3604-7	7.4	4 ¹
4 ²¹	Quantized sequential decay series of metastable N ₂ cluster ions (N ₂) _n ⁺ → (N ₂) _{n-1} ⁺ → ... → N ₂ ⁺ . <i>Chemical Physics Letters</i> , 1988 , 148, 393-400	2.5	4 ¹
4 ²⁰	Dissociative electron attachment to DNA bases near absolute zero temperature: freezing dissociation intermediates. <i>ChemPhysChem</i> , 2008 , 9, 1387-9	3.2	4 ⁰
4 ¹⁹	Low energy electron attachment to CH ₃ CN. <i>Chemical Physics Letters</i> , 2003 , 381, 216-222	2.5	4 ⁰
4 ¹⁸	Revised high energy behavior of the Deutsch-M \ddot{u} llk (DM) formula for the calculation of electron impact ionization cross sections of atoms. <i>International Journal of Mass Spectrometry</i> , 2004 , 233, 13-17	1.9	3 ⁹
4 ¹⁷	Reactions in nitroimidazole triggered by low-energy (0-2 eV) electrons: methylation at N1-H completely blocks reactivity. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12240-3	16.4	3 ⁷
4 ¹⁶	Electron impact ionization studies with the amino acid valine in the gas phase and (hydrated) in helium droplets. <i>European Physical Journal D</i> , 2009 , 51, 73-79	1.3	3 ⁷
4 ¹⁵	Electron impact ionization of C ₆₀ revisited: corrected absolute cross section functions. <i>Chemical Physics Letters</i> , 1998 , 289, 181-188	2.5	3 ⁷
4 ¹⁴	Probing trinitrotoluene (TNT) by low-energy electrons: Strong fragmentation following attachment of electrons near 0eV. <i>International Journal of Mass Spectrometry</i> , 2008 , 272, 149-153	1.9	3 ⁷
4 ¹³	Isotope effects in the electron impact ionization of H ₂ /D ₂ , H ₂ O/D ₂ O, and C ₆ H ₆ /C ₆ D ₆ near threshold. <i>Journal of Chemical Physics</i> , 2002 , 116, 2456-2463	3.9	3 ⁶
4 ¹²	Experimental Evidence of Critical Behavior in Cluster Fragmentation Using an Event-by-Event Data Analysis. <i>Physical Review Letters</i> , 1998 , 81, 4108-4111	7.4	3 ⁶
4 ¹¹	Charge separation processes of highly charged fullerene ions. <i>Journal of Chemical Physics</i> , 1998 , 108, 990-1000	3.9	3 ⁶
4 ¹⁰	Kinetic energy release for metastable fullerene ions. <i>International Journal of Mass Spectrometry</i> , 1999 , 185-187, 813-823	1.9	3 ⁶
4 ⁰⁹	Determination of absolute partial and total electron impact ionization cross-sections for CF ₂ Cl ₂ from threshold up to 180 eV: an improved experimental method. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989 , 87, 209-224		3 ⁶
4 ⁰⁸	Cross sections and ion kinetic energies for electron impact ionization of CH ₄ . <i>International Journal of Mass Spectrometry</i> , 2003 , 228, 307-320	1.9	3 ⁵
4 ⁰⁷	Production and properties of singly, doubly, and triply charged N ₂ clusters. <i>Journal of Chemical Physics</i> , 1988 , 88, 4289-4293	3.9	3 ⁵
4 ⁰⁶	Highly Charged Droplets of Superfluid Helium. <i>Physical Review Letters</i> , 2019 , 123, 165301	7.4	3 ⁴

405	On the size and structure of helium snowballs formed around charged atoms and clusters of noble gases. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 8050-9	2.8	34
404	Growth of silicon nanostructures on graphite. <i>Surface Science</i> , 2000 , 458, 113-122	1.8	33
403	Absolute partial and total electron impact ionization cross sections for C ₂ H ₆ from threshold up to 950 eV. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993 , 129, 31-42		33
402	Metastable decay of singly charged argon cluster ions Ar _n ⁺ . <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1990 , 102, 19-44		33
401	C_{60}^{+} and the Diffuse Interstellar Bands: An Independent Laboratory Check. <i>Astrophysical Journal</i> , 2017 , 846, 168	4.7	32
400	On the size of ions solvated in helium clusters. <i>Chemistry - A European Journal</i> , 2009 , 15, 7101-8	4.8	32
399	Submersion of potassium clusters in helium nanodroplets. <i>Physical Review B</i> , 2012 , 85,	3.3	32
398	Inelastic electron interaction with chloroform clusters embedded in helium droplets. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5065-71	16.4	32
397	Low energy electron attachment to SF ₅ CF ₃ . <i>Chemical Physics Letters</i> , 2002 , 351, 71-78	2.5	32
396	Electron impact multiple ionization of neon, argon and xenon atoms close to threshold: appearance energies and Wannier exponents. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, 2993-3007	1.3	32
395	Electron attachment to simple organic acids. <i>Vacuum</i> , 2003 , 70, 429-433	3.7	31
394	Sequential penning ionization: harvesting energy with ions. <i>Physical Review Letters</i> , 2010 , 105, 243402	7.4	30
393	Dissociation of singly and multiply charged fullerenes: Emission of C ₄ , or sequential emission of C ₂ ?. <i>Journal of Chemical Physics</i> , 1997 , 107, 6246-6256	3.9	30
392	Bindungs- und ortsselektive Abspaltung von H-Atomen aus Nucleobasen, induziert durch Elektronen sehr niedriger Energie (. <i>Angewandte Chemie</i> , 2005 , 117, 7101-7103	3.6	30
391	Formation of SO ₂ , SO ₂ ⁺ and SO ₂ ²⁺ by electron attachment to van der waals SO ₂ clusters. <i>Chemical Physics Letters</i> , 1987 , 136, 177-180	2.5	30
390	Electron attachment to trinitrotoluene (TNT) embedded in He droplets: complete freezing of dissociation intermediates in an extended range of electron energies. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 8240-3	3.6	29
389	Argon clusters embedded in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 9791-7	3.6	29
388	Near-threshold electron emission from impact of slow van der Waals clusters and fullerene ions on clean gold. <i>Journal of Chemical Physics</i> , 1993 , 99, 8254-8261	3.9	29

387	Calculation of electron impact ionization cross-sections. The fluorine anomaly. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1986 , 74, 81-95		29
386	Electron attachment and electron impact ionization of SF ₆ and SF ₆ /Ar clusters. <i>Journal of Chemical Physics</i> , 1988 , 88, 6884-6888	3.9	29
385	Janus nanostructures for heterogeneous photocatalysis. <i>Applied Physics Reviews</i> , 2018 , 5, 041111	17.3	29
384	ON THE POSSIBLE PRESENCE OF WEAKLY BOUND FULLERENE-H ₂ COMPLEXES IN THE INTERSTELLAR MEDIUM. <i>Astrophysical Journal Letters</i> , 2011 , 738, L4	7.9	28
383	Electron attachment to amino acid clusters in helium nanodroplets: glycine, alanine, and serine. <i>Journal of Chemical Physics</i> , 2010 , 132, 214306	3.9	28
382	Multiply charged neon clusters: failure of the liquid drop model?. <i>Physical Review Letters</i> , 2007 , 98, 023404	14	28
381	Stability of multiply-charged cluster and fullerene ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 98, 469-478	1.2	28
380	Production and properties of singly and multiply charged Kr clusters. <i>Journal of Chemical Physics</i> , 1989 , 91, 3240-3245	3.9	28
379	On enhanced hydrogen adsorption on alkali (cesium) doped C ₆₀ and effects of the quantum nature of the H ₂ molecule on physisorption energies. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 3078-3086	6.7	27
378	Adsorption of Polar and Nonpolar Molecules on Isolated Cationic C ₆₀ , C ₇₀ , and Their Aggregates. <i>ChemPlusChem</i> , 2013 , 78, 910-920	2.8	27
377	Mass distribution and multiple fragmentation events in high energy cluster-cluster collisions: evidence for a predicted phase transition. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 164, 225-230		27
376	Probing di-nitrobenzene by low energy electrons. <i>International Journal of Mass Spectrometry</i> , 2007 , 266, 138-148	1.9	27
375	Electron attachment to C ₂ Cl ₄ and Trojan horse ionization. <i>Journal of Chemical Physics</i> , 2003 , 118, 7394	3.9	27
374	Electron-impact-induced production and isotope-resolved identification of C ₅ +60. <i>Chemical Physics Letters</i> , 1994 , 220, 141-144	2.5	27
373	Dynamics and kinetics of the metastable decay series: Ar ^{3+*} ->Ar ^{2+*} ->Ar ⁺ . <i>Journal of Chemical Physics</i> , 1988 , 89, 295-301	3.9	27
372	Dissociative electron attachment to nitromethane. <i>International Journal of Mass Spectrometry</i> , 2008 , 271, 15-21	1.9	26
371	On the kinetic energy release distribution for C ₂ evaporation from fullerene ions. <i>Chemical Physics Letters</i> , 2004 , 385, 449-455	2.5	26
370	On the Stabilization of Fullerenes by Caged Atoms: Singly and Multiply Charged Sc ³⁺ and Sc ²⁺ Ions. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 6990-6995	2.8	26

369	Low energy electron attachment to formic acid. <i>European Physical Journal D</i> , 2002 , 20, 441-444	1.3	26
368	Kinetic-energy release in Coulomb explosion of metastable C ₃ H ₅ ²⁺ . <i>Journal of Chemical Physics</i> , 2003 , 118, 3090-3095	3.9	26
367	Generation of (M ⁺) _n ions by dissociative electron attachment to simple organic acids M. <i>Vacuum</i> , 2005 , 78, 631-634	3.7	26
366	Anionic Hydrogen Cluster Ions as a New Form of Condensed Hydrogen. <i>Physical Review Letters</i> , 2016 , 117, 273001	7.4	26
365	An intense source for cold cluster ions of a specific composition. <i>Review of Scientific Instruments</i> , 2020 , 91, 033315	1.7	25
364	Dissociative electron attachment to gas-phase formamide. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12305-13	3.6	25
363	Electron attachment and electron ionization of acetic acid clusters embedded in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 11631-7	3.6	25
362	Electron attachment to higher fullerenes and to Sc ₃ N@C ₈₀ . <i>Journal of Physical Chemistry A</i> , 2006 , 110, 8451-6	2.8	25
361	Appearance energies of singly, doubly, and triply charged coronene and corannulene ions produced by electron impact. <i>International Journal of Mass Spectrometry</i> , 2006 , 249-250, 353-358	1.9	25
360	Electron impact ionization of 5- and 6-chlorouracil: appearance energies. <i>International Journal of Mass Spectrometry</i> , 2004 , 232, 99-105	1.9	25
359	Multiply charged clusters. <i>Comptes Rendus Physique</i> , 2002 , 3, 353-364	1.4	25
358	Positive and negative ion formation via slow electron collisions with 5-bromouridine. <i>European Physical Journal D</i> , 2005 , 35, 391-398	1.3	25
357	Decomposition of nitroimidazole ions: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 12598-607	3.6	24
356	Ionization of doped helium nanodroplets: complexes of C ₆₀ with water clusters. <i>Journal of Chemical Physics</i> , 2010 , 132, 234307	3.9	24
355	Sequential Reaction Channels of Metastable C ₆₀ ⁴⁺ . <i>Physical Review Letters</i> , 1997 , 79, 3861-3864	7.4	24
354	Isotope effects in dissociative electron attachment to the DNA base thymine. <i>International Journal of Mass Spectrometry</i> , 2008 , 277, 296-299	1.9	24
353	High resolution measurements of kinetic energy release distributions of neon, argon, and krypton cluster ions using a three sector field mass spectrometer. <i>Journal of Chemical Physics</i> , 2004 , 120, 2686-92	3.9	24
352	Fragmentation of propanoic acid by subexcitation electrons. <i>Chemical Physics Letters</i> , 2004 , 392, 465-469	2.5	24

- 351 Probing electronic states of Ne₂⁺ and Ar₂⁺ by measuring kinetic-energy-release distributions. *Physical Review Letters*, **2003**, 91, 133401 7.4 24
- 350 Isomeric Broadening of C Electronic Excitation in Helium Droplets: Experiments Meet Theory. *Journal of Physical Chemistry Letters*, **2018**, 9, 1237-1242 6.4 23
- 349 Ionization of methane clusters in helium nanodroplets. *ChemPhysChem*, **2012**, 13, 469-76 3.2 23
- 348 Formation of even-numbered hydrogen cluster cations in ultracold helium droplets. *Journal of Chemical Physics*, **2008**, 129, 224306 3.9 23
- 347 Detailed dissociative electron attachment studies on the amino acid proline. *International Journal of Mass Spectrometry*, **2008**, 277, 274-278 1.9 23
- 346 Effects of Precursors and Plasma Parameters on Fullerene Synthesis in RF Thermal Plasma Reactor. *Plasma Chemistry and Plasma Processing*, **2006**, 26, 597-608 3.6 23
- 345 Electron attachment to chlorouracil: a comparison between 6-ClU and 5-ClU. *Journal of Chemical Physics*, **2004**, 120, 704-9 3.9 23
- 344 Multiple ionization and fragmentation of negatively charged fullerene ions by electron impact. *Physical Review Letters*, **2000**, 84, 55-8 7.4 23
- 343 Electron attachment to oxygen clusters studied with high energy resolution. *Journal of Chemical Physics*, **1999**, 111, 3548-3558 3.9 23
- 342 Isotope enrichment in Ne clusters. *Journal of Chemical Physics*, **1987**, 87, 5238-5241 3.9 23
- 341 A Decade with VAMDC: Results and Ambitions. *Atoms*, **2020**, 8, 76 2.1 22
- 340 Cationic complexes of hydrogen with helium. *ChemPhysChem*, **2013**, 14, 227-32 3.2 22
- 339 Ion-molecule reactions of ammonia clusters with C₆₀ aggregates embedded in helium droplets. *Physical Chemistry Chemical Physics*, **2011**, 13, 1092-8 3.6 22
- 338 Relative dissociation energies of singly and doubly charged fullerene ions, C_n^{z+}, for n = 52 to 70. *International Journal of Mass Spectrometry and Ion Processes*, **1997**, 167-168, 753-759 22
- 337 Binding energies of neon and krypton cluster ions. *Chemical Physics Letters*, **2002**, 352, 288-293 2.5 22
- 336 Electron impact induced production and isotope-resolved identification of C₆+70 and sextuply-charged fragment ions of C₇₀ and C₆₀. *International Journal of Mass Spectrometry and Ion Processes*, **1994**, 133, L5-L9 22
- 335 Methane Adsorption on Graphitic Nanostructures: Every Molecule Counts. *Journal of Physical Chemistry Letters*, **2012**, 3, 2598-2603 6.4 21
- 334 Bond dissociation of the dipeptide dialanine and its derivative alanine anhydride induced by low energy electrons. *Journal of Chemical Physics*, **2011**, 134, 054305 3.9 21

333	Hydrogen loss in aminobutanoic acid isomers by the π resonance formed in electron capture. <i>New Journal of Physics</i> , 2012 , 14, 043017	2.9	21
332	A detailed study on the decomposition pathways of the amino acid valine upon dissociative electron attachment. <i>European Physical Journal D</i> , 2010 , 60, 37-44	1.3	21
331	Suppression of potential electron emission for impact of slow multicharged fullerenes on clean gold. <i>Physical Review A</i> , 1997 , 56, 3007-3010	2.6	21
330	Kinetic energies of ions produced by dissociative electron impact ionization of propane. <i>International Journal of Mass Spectrometry</i> , 1998 , 177, 143-154	1.9	21
329	Fragmentation of metastable SF(6)(-*) ions with microsecond lifetimes in competition with autodetachment. <i>Journal of Chemical Physics</i> , 2008 , 128, 104304	3.9	21
328	Cross sections and ion kinetic energy analysis for the electron impact ionization of acetylene. <i>Journal of Chemical Physics</i> , 2006 , 124, 214307	3.9	21
327	Kinetic Energy Releases and Electron-Induced Decay of C60z+. <i>European Journal of Mass Spectrometry</i> , 1999 , 5, 477		21
326	Electron impact ionization of C60 and C70: production and properties of parent and fragment ions studied with a two-sector field mass spectrometer. <i>International Reviews in Physical Chemistry</i> , 1996 , 15, 93-131	7	21
325	Solvation of ions in helium. <i>International Reviews in Physical Chemistry</i> , 2020 , 39, 465-516	7	21
324	Communication: Dopant-induced solvation of alkalis in liquid helium nanodroplets. <i>Journal of Chemical Physics</i> , 2016 , 145, 181101	3.9	21
323	N-site de-methylation in pyrimidine bases as studied by low energy electrons and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11431-40	3.6	20
322	Electron emission from a clean gold surface bombarded by slow multiply charged fullerenes. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998 , 174, 317-328		20
321	Time-resolved kinetic energy releases in propane. <i>International Journal of Mass Spectrometry</i> , 2003 , 222, 213-219	1.9	20
320	C60+ as a diffuse interstellar band carrier; a spectroscopic story in 6 acts. <i>Journal of Molecular Spectroscopy</i> , 2020 , 367, 111243	1.3	20
319	The adsorption of helium atoms on coronene cations. <i>Journal of Chemical Physics</i> , 2016 , 145, 064305	3.9	20
318	Electron attachment to formamide clusters in helium nanodroplets. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 1633-8	2.8	19
317	High resolution electron attachment to CO _n clusters. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5219-24	3.6	19
316	Electron impact ionization of thymine clusters embedded in superfluid helium droplets. <i>European Physical Journal D</i> , 2007 , 43, 117-120	1.3	19

315	Metastable dissociation of anions formed by electron attachment. <i>ChemPhysChem</i> , 2008 , 9, 607-11	3.2	19
314	Electron impact ionization of alanine: Appearance energies of the ions. <i>International Journal of Mass Spectrometry</i> , 2006 , 252, 228-233	1.9	19
313	Calculated cross-sections for the electron-impact detachment from negative ions using the Deutsch-Mark (DM) Formalism. <i>Chemical Physics Letters</i> , 2003 , 382, 26-31	2.5	19
312	A detailed comparison of calculated and measured electron-impact ionization cross sections of atoms using the Deutsch-Mark (DM) Formalism. <i>International Journal of Mass Spectrometry</i> , 2005 , 243, 215-221	1.9	19
311	Dissociative electron attachment to hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 1415-1423	1.3	19
310	Kinetic energies of C_n^+ fragment ions ($58 \leq n \leq 74$) produced by electron impact on C_{60} . <i>Journal of Chemical Physics</i> , 1998 , 108, 963-970	3.9	19
309	Production and stability of singly and doubly charged O_2 clusters. <i>Chemical Physics Letters</i> , 1988 , 144, 119-124	2.5	19
308	Low-temperature Condensation of Carbon. <i>Astrophysical Journal</i> , 2017 , 847, 89	4.7	18
307	Lithium ions solvated in helium. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 25569-25576	3.6	18
306	Electron impact excitation of methane: determination of appearance energies for dissociation products. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 045203	1.3	18
305	Methane adsorption on aggregates of fullerenes: site-selective storage capacities and adsorption energies. <i>ChemSusChem</i> , 2013 , 6, 1235-44	8.3	18
304	Identification of isomers of nitrotoluene via free electron attachment. <i>Analytical Chemistry</i> , 2007 , 79, 6585-91	7.8	18
303	Low-energy electron interaction with nitrobenzene: $C_6H_5NO_2$. <i>Vacuum</i> , 2007 , 81, 1180-1183	3.7	18
302	Low-energy electron attachment to chloroform ($CHCl_3$) molecules: A joint experimental and theoretical study. <i>International Journal of Mass Spectrometry</i> , 2008 , 277, 130-141	1.9	18
301	Dissociative electron attachment to NO molecules and NO clusters. <i>Physical Review A</i> , 1998 , 57, R697-R700		18
300	Appearance Energies of C_{60} Fragment Ions Revisited. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 8692-8696		18
299	Near-Threshold Electron Emission from Slow Cluster Impact on Clean Gold. <i>Europhysics Letters</i> , 1993 , 22, 597-602	1.6	18
298	Evaporation of C_4 (C_4^+) from C_{60}^+ . <i>Chemical Physics Letters</i> , 1995 , 236, 271-276	2.5	18

297	Electron attachment to SO ₂ clusters. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1987 , 6, 351-362	18
296	Formation of dianions in helium nanodroplets. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1379-1384	17
295	Electron ionization of the nucleobases adenine and hypoxanthine near the threshold: a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25039-53	3.6 17
294	Formation of the magic L-serine octamer in helium nanodroplets. <i>ChemPhysChem</i> , 2010 , 11, 90-2	3.2 17
293	Electron attachment to POCl ₃ : measurement and theoretical analysis of rate constants and branching ratios as a function of gas pressure and temperature, electron temperature, and electron energy. <i>Journal of Chemical Physics</i> , 2006 , 124, 124322	3.9 17
292	Surface-Induced Dissociation of Polyatomic Hydrocarbon Projectile Ions with Different Initial Internal Energy Content. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 1-8	2.8 17
291	Universal behaviour in fragmentation phenomena? The cluster case. <i>European Physical Journal D</i> , 1999 , 5, 5-8	1.3 17
290	Reactions in Nitroimidazole and Methylnitroimidazole Triggered by Low-Energy (0-8 eV) Electrons. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 6668-75	2.8 16
289	Electron Attachment to Uracil, Thymine and Cytosine. <i>Physica Scripta</i> , 2004 , 110, 252	2.6 16
288	Bindungsselektive H-Abspaltung von Thymin. <i>Angewandte Chemie</i> , 2005 , 117, 1673-1676	3.6 16
287	Interaction of free electrons with C ₆₀ : ionization and attachment reactions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993 , 129, 49-56	16
286	Metastable anions of dinitrobenzene: resonances for electron attachment and kinetic energy release. <i>Journal of Chemical Physics</i> , 2010 , 133, 244302	3.9 15
285	Probing royal demolition explosive (1,3,5-trinitro-1,3,5-triazocyclohexane) by low-energy electrons: Strong dissociative electron attachment near 0 eV. <i>Journal of Chemical Physics</i> , 2009 , 131, 144304	3.9 15
284	Electron impact ionization of CCl ₄ and SF ₆ embedded in superfluid helium droplets. <i>International Journal of Mass Spectrometry</i> , 2009 , 280, 26-31	1.9 15
283	The influence of the surface state onto the distance distribution of single molecules and small molecular clusters. <i>Surface Science</i> , 2010 , 604, 1698-1704	1.8 15
282	Distinction between multicharged fullerene ions and their fragment ions with equal charge-to-mass. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 163, 9-14	15
281	Discrimination effects for ions with initial kinetic energy produced by electron ionization of C ₂ H ₂ in a Nier-type ion source. <i>International Journal of Mass Spectrometry</i> , 2004 , 233, 325-333	1.9 15
280	Electron impact ionization of CHF ₂ Cl: Unusual ordering of ionization energies for parent and fragment ions. <i>Journal of Chemical Physics</i> , 2003 , 119, 11704-11711	3.9 15

- 279 Metastable fractions and dissociations energies for fullerene ions . *Chemical Physics Letters*, **2005**, 407, 464-470 2.5 15
- 278 Production and stability of oxygen cluster cations and anions, revisited. *Zeitschrift für Physik D-Atoms Molecules and Clusters*, **1991**, 20, 201-203 15
- 277 A combined experimental and theoretical investigation of Cs ions solvated in He clusters. *Journal of Chemical Physics*, **2019**, 150, 154304 3.9 14
- 276 ULTRA-LOW-TEMPERATURE REACTIONS OF CARBON ATOMS WITH HYDROGEN MOLECULES. *Astrophysical Journal Letters*, **2016**, 818, L31 7.9 14
- 275 Dissociative electron attachment and dipolar dissociation in ethylene. *International Journal of Mass Spectrometry*, **2014**, 365-366, 356-364 1.9 14
- 274 Ionization energies of argon clusters: a combined experimental and theoretical study. *Journal of Chemical Physics*, **2005**, 123, 084313 3.9 14
- 273 Metastable dissociation and kinetic energy release of helium clusters upon electron impact ionization. *International Journal of Mass Spectrometry*, **2006**, 252, 166-172 1.9 14
- 272 Reactive Interactions of Hydrogen Molecular Ions H₂⁺, D₂⁺, H₃⁺, D₃⁺ and HD⁺ with Carbon Tiles from TORE SUPRA. *Physica Scripta*, **2003**, T103, 29 2.6 14
- 271 Edge plasma-relevant ion-surface collision processes. *International Journal of Mass Spectrometry*, **2003**, 223-224, 21-36 1.9 14
- 270 Dissociative electron attachment to nitroethane: C₂H₅NO₂. *Journal of Chemical Physics*, **2003**, 119, 7887-7892 1.9 14
- 269 Electron impact ionization of C₃H₈: appearance energies and temperature effects. *Chemical Physics Letters*, **2005**, 402, 80-87 2.5 14
- 268 Multiple ionization of helium and krypton by electron impact close to threshold: appearance energies and Wannier exponents. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2002**, 35, 4685-4694 1.3 14
- 267 Ion attachment to van der Waals clusters: reactions of NO⁺ with Ar_n. *Chemical Physics Letters*, **1992**, 196, 118-122 2.5 14
- 266 Comparative process analysis of fullerene production by the arc and the radio-frequency discharge methods. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 1357-69 1.3 14
- 265 Building Carbon Bridges on and between Fullerenes in Helium Nanodroplets. *Journal of Physical Chemistry Letters*, **2016**, 7, 1440-5 6.4 14
- 264 Spectroscopy of corannulene cations in helium nanodroplets. *Faraday Discussions*, **2019**, 217, 276-289 3.6 13
- 263 The interaction of He(-) with fullerenes. *Journal of Chemical Physics*, **2015**, 142, 104306 3.9 13
- 262 On subthreshold ionization of helium droplets, ejection of He(+), and the role of anions. *Physical Chemistry Chemical Physics*, **2014**, 16, 22466-70 3.6 13

261	Dissociative electron attachment to Alanine. <i>ChemPhysChem</i> , 2011 , 12, 1272-9	3.2	13
260	Electron impact ionization and dissociation of neutral and charged fullerenes. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1997 , 40, 389-394		13
259	High resolution studies of low-energy electron attachment to SF ₅ Cl: Product anions and absolute cross sections. <i>International Journal of Mass Spectrometry</i> , 2006 , 252, 234-241	1.9	13
258	Single, double and triple ionization of tetraphenyl iron(III) porphyrin chloride. <i>International Journal of Mass Spectrometry</i> , 2006 , 255-256, 232-238	1.9	13
257	Multiply charged cluster ions of Ar, Kr, Xe, N ₂ , O ₂ , CO ₂ , SO ₂ and NH ₃ : Production mechanism, appearance size and appearance energy. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1989 , 12, 279-281		13
256	Mass-resolved argon cluster spectra up to 12000 u (Ar ₃₀₀₊). <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1987 , 76, R11-R15		13
255	Roadmap on photonic, electronic and atomic collision physics: III. Heavy particles: with zero to relativistic speeds. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019 , 52, 171003	1.3	12
254	Ordered phases of ethylene adsorbed on charged fullerenes and their aggregates. <i>Carbon</i> , 2014 , 69, 206-220	10.4	12
253	Electron ionization of different large perfluoroethers embedded in ultracold helium droplets: effective freezing of short-lived decomposition intermediates. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 298-304	2.2	12
252	Electron-driven self-assembly of salt nanocrystals in liquid helium. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13528-31	16.4	12
251	Electron attachment to the dipeptide dialanine: influence of methylation on site selective dissociation reactions. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 3834-40	3.6	12
250	Electron-driven ionization of large methanol clusters in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 3577-82	3.6	12
249	Absolute partial cross sections and kinetic energy analysis for the electron impact ionization of ethylene. <i>International Journal of Mass Spectrometry</i> , 2009 , 280, 65-71	1.9	12
248	Mechanisms and dynamics of the metastable decay in Ar ²⁺ . <i>Journal of Chemical Physics</i> , 2004 , 121, 7253-59		12
247	Electron emission induced by cluster impact on a clean metal surface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994 , 88, 44-48	1.2	12
246	Critical appearance size of doubly charged Xe clusters revisited. <i>Journal of Chemical Physics</i> , 1989 , 90, 4091-4094	3.9	12
245	The structure of coronene cluster ions inferred from H uptake in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27968-27973	3.6	11
244	Ion formation upon electron collisions with valine embedded in helium nanodroplets. <i>European Physical Journal D</i> , 2016 , 70, 1	1.3	11

243	Low energy electron attachment to platinum(II) bromide (PtBr ₂). <i>International Journal of Mass Spectrometry</i> , 2014 , 365-366, 152-156	1.9	11
242	Dissociative electron attachment to the nitroamine HMX (octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine). <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 744-52	3.5	11
241	Electron interaction with nitromethane embedded in helium droplets: attachment and ionization measurements. <i>Journal of Chemical Physics</i> , 2011 , 135, 174504	3.9	11
240	Unimolecular dissociation of multiply-charged fullerene ions via the loss of intact C ₆ ⁺ units. <i>Chemical Physics Letters</i> , 1997 , 266, 276-282	2.5	11
239	Formation of NO ⁻ following electron attachment to NO clusters. <i>Chemical Physics Letters</i> , 1998 , 289, 521-526	2.5	11
238	On the role of the II(1/2g) state in spontaneous dissociation of krypton and xenon dimer ions. <i>Chemical Physics Letters</i> , 2007 , 437, 183-188	2.5	11
237	Calculated absolute cross section for the electron-impact ionisation of simple molecular ions. <i>International Journal of Mass Spectrometry</i> , 2003 , 223-224, 639-646	1.9	11
236	Electron impact ionization studies for SF ₅ CF ₃ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, 2567-2574	1.3	11
235	Scaling behavior of cross-sections for electron-impact multiple-ionization of negatively-charged fullerene ions. <i>Chemical Physics Letters</i> , 2000 , 319, 13-19	2.5	11
234	Appearance size and appearance energy of doubly and triply charged ammonia clusters. <i>Chemical Physics Letters</i> , 1988 , 150, 222-226	2.5	11
233	Raman-induced photodissociation of neutral (CO ₂) Van der Waals clusters with visible laser light. <i>Chemical Physics Letters</i> , 1988 , 145, 95-101	2.5	11
232	Photodissociation of large neutral Ar _n clusters (n up to 150) with visible laser light. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988 , 83, R1-R5		11
231	Magic sizes of cationic and protonated argon clusters. <i>Physical Review A</i> , 2018 , 98,	2.6	11
230	Cs ⁺ Solvated in Hydrogen Evidence for Several Distinct Solvation Shells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10887-10892	3.8	10
229	The adsorption of helium atoms on small cationic gold clusters. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 9554-9560	3.6	10
228	Experimental evidence for the influence of charge on the adsorption capacity of carbon dioxide on charged fullerenes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3048-55	3.6	10
227	Collisions of low-energy ions Ar ⁺ and N ₂ ⁺ with room-temperature and heated surfaces of tungsten, beryllium, and a mixed beryllium-tungsten thin film. <i>International Journal of Mass Spectrometry</i> , 2013 , 354-355, 78-86	1.9	10
226	Interaction of small hydrocarbon ions and Ar ⁺ with carbon-fibre-composite surfaces at room temperature. <i>International Journal of Mass Spectrometry</i> , 2011 , 306, 204-209	1.9	10

225	Ion-Molecule Reactions in Helium Nanodroplets Doped with C60 and Water Clusters. <i>Angewandte Chemie</i> , 2009 , 121, 9102-9105	3.6	10
224	Oxidation study of silicon nanoparticle thin films on HOPG. <i>Surface Science</i> , 2009 , 603, 2999-3004	1.8	10
223	Electron attachment studies to musk ketone and high mass resolution anionic isobaric fragment detection. <i>International Journal of Mass Spectrometry</i> , 2008 , 277, 123-129	1.9	10
222	Electron impact ionization of glycolaldehyde. <i>International Journal of Mass Spectrometry</i> , 2005 , 243, 171-176	1.36	10
221	Metastable dissociation of doubly charged ions produced from toluene: Kinetic energy release upon charge separation and H2 elimination. <i>Chemical Physics Letters</i> , 2005 , 411, 366-372	2.5	10
220	High-resolution analysis of the kinetic energy distribution of fragment ions produced by dissociative ionization of propane. <i>International Journal of Mass Spectrometry</i> , 2001 , 207, 145-152	1.9	10
219	Ionization energy studies for Cl2O monomers and dimers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002 , 35, 589-599	1.3	10
218	The energy gap of pristine silicon clusters. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000 , 109, 157-168	1.7	10
217	Metastable decay of Ar +n involving single monomer evaporation and the loss of peculiar numbers of monomers. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1991 , 20, 157-159		10
216	Electron attachment to CO2 embedded in superfluid He droplets. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 6553-9	2.8	9
215	Adsorption of helium on isolated C60 and C70 anions. <i>Molecular Physics</i> , 2015 , 113, 2191-2196	1.7	9
214	Dissociative electron attachment to pentaerythritol tetranitrate: significant fragmentation near 0 eV. <i>Journal of Chemical Physics</i> , 2010 , 132, 134305	3.9	9
213	Temperature dependence of dissociative electron attachment to 1-bromo-2-chlorobenzene and 1-bromo-3-chlorobenzene. <i>International Journal of Mass Spectrometry</i> , 2010 , 293, 51-55	1.9	9
212	Investigations of electron attachment to the perfluorocarbon molecules c-C4F8, 2-C4F8, 1,3 C4F6, and c-C5F8. <i>International Journal of Mass Spectrometry</i> , 2008 , 277, 41-51	1.9	9
211	Dissociative electron attachment to ozone at very low energies revisited. <i>International Journal of Mass Spectrometry</i> , 2007 , 260, 85-87	1.9	9
210	Vacuum-UV and electron dissociative ionisation studies of SF5Cl. <i>International Journal of Mass Spectrometry</i> , 2007 , 261, 208-217	1.9	9
209	Surface-induced dissociation and reactions of cations and dications C7H8+/2+, C7H7+/2+ and C7H62+: Dependence of mass spectra of product ions on incident energy of the projectiles. <i>International Journal of Mass Spectrometry</i> , 2007 , 265, 337-346	1.9	9
208	Negative ion formation by low energy electron attachment to gas-phase 5-nitouracil. <i>International Journal of Mass Spectrometry</i> , 2008 , 277, 291-295	1.9	9

207	Dissociative electron attachment to HBr: A temperature effect. <i>Physical Review A</i> , 2007 , 75,	2.6	9
206	The role of internal energy of polyatomic projectile ions in surface-induced dissociation. <i>Chemical Physics Letters</i> , 2003 , 376, 539-547	2.5	9
205	The energies of the triply excited $n = 2$ intrashell He resonances $2s22p$ and $2s2p^2$ revisited. <i>International Journal of Mass Spectrometry</i> , 2001 , 209, 23-29	1.9	9
204	Cluster multifragmentation and percolation transition: A quantitative comparison for two systems of the same size. <i>Physical Review A</i> , 2001 , 63,	2.6	9
203	Comment on the shape of the ionization cross section function for $C_{60} + e \rightarrow C^+_{60} + 2e$ from threshold to maximum. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1993 , 125, R17-R19		9
202	Positively and Negatively Charged Cesium and (C) Cs Cluster Ions. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10817-10823	3.8	8
201	Hydrogenated Gold Clusters from Helium Nanodroplets: Cluster Ionization and Affinities for Protons and Hydrogen Molecules. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 1906-1913	3.5	8
200	Fission of multiply charged alkali clusters in helium droplets - approaching the Rayleigh limit. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 10623-9	3.6	8
199	Formation and decay of the dehydrogenated parent anion upon electron attachment to dialanine. <i>Chemistry - A European Journal</i> , 2012 , 18, 4613-9	4.8	8
198	Formation of HCN^+ in heterogeneous reactions of N_2^+ and N^+ with surface hydrocarbons. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 9653-60	2.8	8
197	Electron attachment to doped helium droplets: C_{60}^- , $(C_{60})_2^-$, and $C_{60}D_{20}^-$ anions. <i>European Physical Journal D</i> , 2009 , 52, 91-94	1.3	8
196	RF thermal plasma processing of fullerenes. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 320-326	3	8
195	$Ne_2^+[[1(1/2)u]]$: radiative decay and electronic predissociation. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 1043-8	3.6	8
194	Surface-induced reactions and dissociations of small acetone, acetonitrile and ethanol cluster ions: competitive chemical reactions, dissociation mechanisms and determination of dissociation energy. <i>New Journal of Physics</i> , 2003 , 5, 9-9	2.9	8
193	Dissociative electron impact ionization of N_2O_5 . <i>International Journal of Mass Spectrometry</i> , 2004 , 232, 147-150	1.9	8
192	Quantitative investigation of the kinetic energy release in metastable decay reactions of $(O_2)_n^+ [2\Pi^+]$ ions: Evidence for a change in the metastable decay mechanism as a function of cluster size. <i>Journal of Chemical Physics</i> , 2002 , 116, 7583-7588	3.9	8
191	Formation of positive and negative clusters of gold atoms inside helium nanodroplets close to zero K. <i>International Journal of Mass Spectrometry</i> , 2018 , 434, 136-141	1.9	8
190	High-Resolution Electron Attachment to the Water Dimer Embedded in Helium Droplets: Direct Observation of the Electronic Conduction Band Formation. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2220-2223	6.4	7

189	Magic Numbers for Packing Adamantane in Helium Droplets: Cluster Cations, Dications, and Trications. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10767-10772	3.8	7
188	Cluster ion polymerization of serine and tryptophan, the water loss channel. <i>European Physical Journal D</i> , 2020 , 74, 1	1.3	7
187	Protonated and Cationic Helium Clusters. <i>Molecules</i> , 2020 , 25,	4.8	7
186	Complexes of gold and imidazole formed in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 7739-7745	3.6	7
185	Protonated Clusters of Neon and Krypton. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2632-2636	3.5	7
184	Solvation of Silver Ions in Noble Gases He, Ne, Ar, Kr, and Xe. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10426-10436	2.8	7
183	Atomic Gold Ions Clustered with Noble Gases: Helium, Neon, Argon, Krypton, and Xenon. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 9505-9513	2.8	7
182	Collisions of low-energy Ar ⁺ , N ₂ ⁺ , and D ₂ ⁺ ions with room-temperature and heated surfaces of mixed beryllium-tungsten thin films of different composition. <i>International Journal of Mass Spectrometry</i> , 2014 , 365-366, 316-323	1.9	7
181	Reaktionen in Nitroimidazol, ausgelöst durch niederenergetische (0.2 eV) Elektronen: Methylierung an N1-H blockiert die Reaktivität. <i>Angewandte Chemie</i> , 2014 , 126, 12437-12440	3.6	7
180	Helium Droplets Doped with Sulfur and C. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10919-10924	3.8	7
179	Strong fragmentation processes driven by low energy electron attachment to various small perfluoroether molecules. <i>International Journal of Mass Spectrometry</i> , 2011 , 306, 63-69	1.9	7
178	Temperature effects on the dissociative electron attachment to dichlorobenzene isomers. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 14923-9	2.8	7
177	First direct observation and identification of the smaller fragment ion in a metastable asymmetric charge separation reaction. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998 , 172, L1-L6		7
176	Charge exchange, surface-induced dissociation and reactions of doubly charged molecular ions SF ₄ ²⁺ upon impact on a stainless steel surface: A comparison with surface-induced dissociation of singly charged SF ₄ ⁺ molecular ions. <i>International Journal of Mass Spectrometry</i> , 2008 , 276, 37-42	1.9	7
175	Fragmentierung von Thymidin durch niederenergetische Elektronen: Implikationen für den Mechanismus von Einzelstrangbrüchen in DNA. <i>Angewandte Chemie</i> , 2006 , 118, 1926-1930	3.6	7
174	The anomalous shape of the cross section for the formation of SF ₃ ⁺ fragment ions produced by electron impact on SF ₆ revisited. <i>Journal of Chemical Physics</i> , 2004 , 120, 11465-8	3.9	7
173	Films of silicon nanoparticles grown by gas aggregation. <i>Journal of Applied Physics</i> , 2003 , 94, 6069-6075	2.5	7
172	Formation and dissociation of triply charged fragment ions of benzene. <i>Journal of Chemical Physics</i> , 2001 , 114, 9875-9881	3.9	7

171	Formation of the superhalogen ion SF ₆ ⁻ via electron attachment to SF ₆ clusters. <i>Journal of Chemical Physics</i> , 1992 , 96, 9241-9242	3.9	7
170	Proton transfer at subkelvin temperatures. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 28165-28172	3.6	7
169	Multiply Charged Helium Droplet Anions. <i>Chemistry - A European Journal</i> , 2021 , 27, 7283-7287	4.8	7
168	Electronic Spectroscopy of Anthracene Cations and Protonated Anthracene in the Search for Carriers of Diffuse Interstellar Bands. <i>Astrophysical Journal</i> , 2021 , 913, 136	4.7	7
167	Adsorption of sodium and cesium on aggregates of C ₆₀ . <i>European Physical Journal D</i> , 2016 , 70, 1	1.3	7
166	Electron Attachment and Electron Ionization of Formic Acid Clusters Embedded in Helium Nanodroplets. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 787-795	3.5	6
165	Highly Stable [CAuC] Dumbbells. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2703-2706	6.4	6
164	Snowball formation for Cs solvation in molecular hydrogen and deuterium. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15662-15668	3.6	6
163	Doubly charged CO clusters formed by ionization of doped helium nanodroplets. <i>International Journal of Mass Spectrometry</i> , 2014 , 365-366, 200-205	1.9	6
162	On the stability of cationic complexes of neon with helium--solving an experimental discrepancy. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 16599-604	3.6	6
161	Decorating (C) _n , n=1-3, with CO at low temperatures: Sterically enhanced physisorption. <i>International Journal of Mass Spectrometry</i> , 2013 , 354-355, 271-274	1.9	6
160	Nitrogen Cluster Anions. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10632-10637	3.8	6
159	Electron-Induced Chemistry of Cobalt Tricarbonyl Nitrosyl (Co(CO)NO) in Liquid Helium Nanodroplets. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20917-20922	3.8	6
158	Cavity-hollow cathode-sputtering source for titanium films. <i>Journal of Plasma Physics</i> , 2010 , 76, 655-664	2.7	6
157	Experimental evidence for the existence of an electronically excited state of the proposed dihydrogen radical cation He-H-H-He ⁺ . <i>Chemistry - A European Journal</i> , 2009 , 15, 4190-4	4.8	6
156	Dissociative electron attachment to triflates. <i>Journal of Chemical Physics</i> , 2011 , 135, 214309	3.9	6
155	Isotope effects in the metastable decay of Ne ₂ ⁺ . <i>European Physical Journal D</i> , 2007 , 43, 77-80	1.3	6
154	Free electron attachment to the chloromethane CHCl ₃ . <i>International Journal of Mass Spectrometry</i> , 2007 , 265, 139-145	1.9	6

153	Absolute partial cross-sections for the destruction of H ₂ and H ₃ ⁺ in collisions with helium atoms at 50 and 60 keV/amu. <i>International Journal of Mass Spectrometry</i> , 2008 , 272, 48-56	1.9	6
152	Charge exchange and surface-induced dissociation of doubly charged molecular ions C ₆ H ₅ ²⁺ , C ₆ H ₆ ²⁺ and C ₇ H ₈ ²⁺ upon impact on a stainless steel surface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 205, 714-718	1.2	6
151	Electron and ion high-resolution interaction studies using sector field mass spectrometry: propane a case study. <i>Vacuum</i> , 2001 , 63, 561-569	3.7	6
150	Decay reactions of rare gas cluster ions: Kinetic energy release distributions and binding energies. <i>European Physical Journal D</i> , 2001 , 16, 69-72	1.3	6
149	Metastable transitions and isotope distribution identification program for use in mass spectrometry involving spectra with multiple coincidences. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992 , 113, R7-R15		6
148	Ionization of Ammonia Nanoices with Adsorbed Methanol Molecules. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8458-8468	2.8	6
147	Doubly charged coronene clusters-Much smaller than previously observed. <i>Journal of Chemical Physics</i> , 2018 , 148, 174303	3.9	5
146	Helium nanodroplets doped with copper and water. <i>European Physical Journal D</i> , 2018 , 72, 1	1.3	5
145	Uptake and accommodation of water clusters by adamantane clusters in helium droplets: interplay between magic number clusters. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 21573-21579	3.6	5
144	Low energy (0-4 eV) electron impact to N ₂ O clusters: Dissociative electron attachment, ion-molecule reactions, and vibrational Feshbach resonances. <i>Journal of Chemical Physics</i> , 2010 , 133, 154512	3.9	5
143	Surface-induced dissociation and chemical reactions of C ₂ D ₄ ⁽⁺⁾ on stainless steel, carbon (HOPG), and two different diamond surfaces. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 927-38	3.5	5
142	Einfluss funktioneller Gruppen auf den ortselektiven Bindungsbruch von Adenin, induziert durch Anlagerung niederenergetischer Elektronen. <i>Angewandte Chemie</i> , 2007 , 119, 5331-5334	3.6	5
141	Electron Impact Ionization/Dissociation of Molecules: Production of Energetic Radical Ions and Anions. <i>Journal of Physics: Conference Series</i> , 2007 , 86, 012003	0.3	5
140	Appearance energies of hydrogen and deuterium cluster ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004 , 37, 4167-4175	1.3	5
139	Kinetic energy release in exciton-driven metastable decay of neon cluster ions. <i>Chemical Physics Letters</i> , 2002 , 361, 91-98	2.5	5
138	Dissociative electron attachment to CHF ₂ Cl. <i>Chemical Physics Letters</i> , 2003 , 371, 231-237	2.5	5
137	Surface induced dissociation of HD ₂ ⁺ [a non-statistical behavior in the H ⁺ and D ⁺ fragmentation channels. <i>Chemical Physics Letters</i> , 2003 , 372, 166-172	2.5	5
136	Ion surface collisions of CH ₃ ⁺ , CH ₄ ⁺ , CH ₅ ⁺ and CD ₄ ⁺ . <i>Radiation Physics and Chemistry</i> , 2003 , 68, 257-261	2.5	5

- 135 Coulomb explosion of ions produced by electron impact ionization of toluene. *Vacuum*, **2005**, 78, 187-191. 3.7 5
- 134 Electron attachment to monomeric and dimeric forms of glycolaldehyde. *Chemical Physics Letters*, **2005**, 401, 227-231 2.5 5
- 133 Theoretical study of small silicon clusters on a graphite layer. *European Physical Journal D*, **2001**, 16, 37-41. 3 5
- 132 Electron impact ionization of neutral and ionized fullerenes: ionization cross sections and kinetic energy release. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **1999**, 357, 1201-1227 3 5
- 131 Electron, exciton and ion reactions with (in) van der Waals (Ar_n) clusters. *Physica Scripta*, **1994**, T53, 43-52. 6 5
- 130 Dissociative xenon ion capture by neutral argon clusters. *International Journal of Mass Spectrometry and Ion Processes*, **1993**, 129, 67-78 5
- 129 Production and appearance size of multiply charged stoichiometric and nonstoichiometric SO₂ cluster ions. *Journal of Chemical Physics*, **1989**, 90, 1288-1289 3.9 5
- 128 Photodissociation of neutral van der waals clusters with visible laser light. *Chemical Physics Letters*, **1988**, 149, 230-232 2.5 5
- 127 Isotope enrichment in neon clusters grown in helium nanodroplets. *Journal of Chemical Physics*, **2020**, 153, 164305 3.9 5
- 126 Chemistry and physics of dopants embedded in helium droplets. *Mass Spectrometry Reviews*, **2021**, 11 5
- 125 Observation of stable HO₄(+) and DO₄(+) ions from ion-molecule reactions in helium nanodroplets. *Physical Chemistry Chemical Physics*, **2016**, 18, 13169-72 3.6 5
- 124 Considerable matrix shift in the electronic transitions of helium-solvated cesium dimer cation CsHe. *Physical Chemistry Chemical Physics*, **2019**, 21, 25362-25368 3.6 5
- 123 Dissociative electron attachment to the volatile anaesthetics enflurane and isoflurane and the chlorinated ethanes pentachloroethane and hexachloroethane. *International Journal of Mass Spectrometry*, **2015**, 379, 179-186 1.9 4
- 122 Temperature dependence of dissociative electron attachment to bromo-chlorotoluene isomers: Competition between detachment of Cl and Br. *Journal of Chemical Physics*, **2018**, 148, 074301 3.9 4
- 121 Electron-induced chemistry in imidazole clusters embedded in helium nanodroplets. *European Physical Journal D*, **2018**, 72, 1 1.3 4
- 120 Helium anion formation inside helium droplets. *European Physical Journal D*, **2016**, 70, 1 1.3 4
- 119 Bond cleavage reactions in the tripeptide trialanine upon free electron capture. *European Physical Journal D*, **2014**, 68, 1 1.3 4
- 118 Semtex 1A and H negative ion resonances for explosives detection. *International Journal of Mass Spectrometry*, **2012**, 309, 39-43 1.9 4

117	Electron ionization of helium droplets containing C and alcohol clusters. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 24197-24201	3.6	4
116	Electron impact on N ₂ /CH ₄ mixtures in He droplets probing chemistry in Titan's atmosphere. <i>RSC Advances</i> , 2012 , 2, 10492	3.7	4
115	The Role of Secondary Electrons in Radiation Damage 2012 , 45-58		4
114	Absolute partial cross sections and kinetic energy analysis for the electron impact ionization of propene. <i>International Journal of Mass Spectrometry</i> , 2006 , 253, 122-129	1.9	4
113	Calculations of electron-impact cross sections for the fragmentation and dissociative ionization of fullerenes using a semi-empirical method. <i>International Journal of Mass Spectrometry</i> , 2004 , 233, 293-298	1.9	4
112	Electron emission and molecular fragmentation during hydrogen and deuterium ion impact on carbon surfaces. <i>Journal of Nuclear Materials</i> , 2003 , 313-316, 670-674	3.3	4
111	A semi-empirical concept for the calculation of electron-impact ionization cross-sections of neutral and ionized fullerenes. <i>International Journal of Mass Spectrometry</i> , 2003 , 223-224, 1-8	1.9	4
110	Calculations of partial electron-impact cross sections for the multiple ionization of fullerenes using a semi-empirical method. <i>International Journal of Mass Spectrometry</i> , 2003 , 223-224, 253-261	1.9	4
109	Dissociation pathways in low energy (0.2 eV) electron attachment to Cl ₂ O. <i>Chemical Physics Letters</i> , 2001 , 344, 471-478	2.5	4
108	Spontaneous and induced dissociation of singly and multiply charged fullerene ions. <i>International Journal of Mass Spectrometry</i> , 1999 , 192, 267-280	1.9	4
107	Electron attachment to nitric oxide clusters and electron impact ionization of carbon monoxide clusters. <i>European Physical Journal D</i> , 1999 , 9, 159-162	1.3	4
106	Stability of multiply charged fullerene ions. <i>European Physical Journal D</i> , 1999 , 9, 91-94	1.3	4
105	Production and decay of highly-charged fullerene ions. <i>Hyperfine Interactions</i> , 1996 , 99, 175-191	0.8	4
104	On the relationship between successive ionization energies of C ₆₀ : the ionization scaling law revisited. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995 , 146-147, 233-238		4
103	Interactions of electrons with SF ₆ : ionization and attachment. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1989 , 12, 303-305		4
102	Unimolecular Decay of Metastable Cluster Anions: (O ₂) ⁿ⁻ → (O ₂) + O ₂ . <i>Contributions To Plasma Physics</i> , 1990 , 30, 749-753	1.4	4
101	Splashing of Large Helium Nanodroplets upon Surface Collisions.. <i>Physical Review Letters</i> , 2021 , 127, 263401	7.4	4
100	Heterogeneous reactions between ions NH ₃ ⁺ and NH ⁺ and hydrocarbons adsorbed on a tungsten surface. Formation of HCN ⁺ in NH ⁺ -surface hydrocarbon collisions. <i>International Journal of Mass Spectrometry</i> , 2015 , 392, 139-144	1.9	3

- 99 A high sensitivity, high resolution tandem mass spectrometer to research low-energy, reactive ion-surface interactions. *Review of Scientific Instruments*, **2020**, 91, 065101 1.7 3
- 98 Electron attachment and electron ionization of helium droplets containing clusters of C60 and formic acid. *International Journal of Mass Spectrometry*, **2020**, 450, 116293 1.9 3
- 97 Electron-induced dissociation of chlorosilanes: Role of aromatic side groups in gas phase and solution chemistry. *International Journal of Mass Spectrometry*, **2014**, 365-366, 169-176 1.9 3
- 96 Low-energy electron interactions with dimethyl disulphide. *Chemical Physics Letters*, **2014**, 605-606, 71-76.5 3
- 95 Desorption of small ionic fragments from oligonucleotides induced by low energy carbon ions. *European Physical Journal D*, **2010**, 60, 59-63 1.3 3
- 94 Very low energy electrons transform the cyclobutane-pyrimidine dimer into a highly reactive intermediate. *ChemPhysChem*, **2010**, 11, 561-4 3.2 3
- 93 Electron attachment to 2-nitro-m-xylene. *International Journal of Mass Spectrometry*, **2010**, 289, 128-137 1.9 3
- 92 Sticking coefficient and SIMS of hydrocarbons on fusion relevant plasma-sprayed tungsten surfaces. *Nuclear Instruments & Methods in Physics Research B*, **2007**, 258, 278-281 1.2 3
- 91 Relative partial cross sections for anions formed upon electron attachment to nitrotoluene. *International Journal of Mass Spectrometry*, **2008**, 271, 36-44 1.9 3
- 90 Energetics and dynamics of decaying cluster ions. *European Physical Journal D*, **2003**, 24, 131-136 1.3 3
- 89 Investigation of fullerene ions in crossed-beams experiments. *Nuclear Instruments & Methods in Physics Research B*, **2003**, 212, 67-71 1.2 3
- 88 A semi-empirical method for the calculation of cross sections for the electron-impact ionization of negatively charged fullerenes. *International Journal of Mass Spectrometry*, **2003**, 223-224, 703-711 1.9 3
- 87 Surface collisions of formic acid cations HCOOH⁺ and DCOOD⁺ with a hydrocarbon-covered stainless steel surface. *International Journal of Mass Spectrometry*, **2005**, 244, 164-170 1.9 3
- 86 POSITIVE AND NEGATIVE ION FORMATION IN ELECTRON COLLISIONS WITH FULLERENES **1998**, 1-56 3
- 85 Spontaneous Decay of Ionized Atomic Clusters: Statistical and Non-Statistical Channels. *Springer Series in Nuclear and Particle Physics*, **1992**, 313-323 3
- 84 Energetics, kinetics and dynamics of decaying metastable ions studied with a high-resolution three-sector field mass spectrometer. *Plasma Sources Science and Technology*, **2005**, 14, S26-S30 3.5 3
- 83 Formation of beryllium-hydrogen ions in chemical sputtering from 20 to 420eV. *Nuclear Materials and Energy*, **2020**, 22, 100722 2.1 3
- 82 Submersion of rubidium clusters in helium nanodroplets. *European Physical Journal D*, **2021**, 75, 1 1.3 3

81	Dissociative electron attachment to 2-chlorotoluene: Unusual temperature effects for the formation of Cl ⁻ . <i>Chemical Physics Letters</i> , 2019 , 730, 527-530	2.5	2
80	Charged Clusters of C and Au or Cu: Evidence for Stable Sizes and Specific Dissociation Channels. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 4599-4608	2.8	2
79	Hydrogenated gold clusters from helium nanodroplets: displacement of H ₂ by H ₂ O. <i>European Physical Journal D</i> , 2020 , 74, 1	1.3	2
78	Correlation of target properties and plasma parameters in DC magnetron sputtering with Langmuir probe measurements. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 061308	2.9	2
77	Monocarbon cationic cluster yields from N ₂ /CH ₄ mixtures embedded in He nanodroplets and their calculated binding energies. <i>Journal of Chemical Physics</i> , 2014 , 140, 034316	3.9	2
76	Formation of pyrimidine dimer radical anions in the gas phase. <i>Chemical Communications</i> , 2009 , 7291-3	5.8	2
75	Site selective cleavage of purine derivatives by capture of low energy electrons. <i>Physica Scripta</i> , 2008 , 78, 058101	2.6	2
74	Metastable C ₃ H ₅ ²⁺ produced by electron impact of propane. <i>Vacuum</i> , 2007 , 81, 1129-1132	3.7	2
73	The stability of singly and multiply charged La@C ₈₀ and La@C ₈₂ ions determined from kinetic energy release measurements. <i>International Journal of Mass Spectrometry</i> , 2006 , 249-250, 396-402	1.9	2
72	Dissociative electron attachment to nitroaromatic compounds [Resonances as fingerprints for isomers. <i>Journal of Physics: Conference Series</i> , 2007 , 88, 012075	0.3	2
71	Dissociative electron attachment to dinitrogen pentoxide, N ₂ O ₅ . <i>Journal of Chemical Physics</i> , 2004 , 121, 9891-7	3.9	2
70	Unimolecular dissociation of non-stoichiometric oxygen cluster ions O _n ^{+*} (n=5, 7, 9, 11): a switch from O ₃ to O ₂ loss above cluster size n=5. <i>International Journal of Mass Spectrometry</i> , 2002 , 220, 221-230 ^{1,9}	1.9	2
69	Scanning tunneling lithography of silicon nanoparticle films. <i>European Physical Journal D</i> , 2003 , 24, 347-349	1.9	2
68	Collision induced cluster fragmentation: From fragment size distributions to the caloric curve. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 209, 9-18	1.2	2
67	High resolution multiple electron impact ionisation of He, Ne, Ar, Kr and Xe atoms close to threshold: Appearance energies and Wannier exponents. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 205, 413-416	1.2	2
66	Novel decay channels of carbon cluster ions, C ₄₀ ^{z+} and C ₄₁ ^{z+} (z=3,4). <i>Chemical Physics Letters</i> , 2000 , 330, 53-60	2.5	2
65	Coulomb blockade effects in charged Si ₇ clusters on a graphite substrate. <i>Computational and Theoretical Chemistry</i> , 2000 , 529, 149-160		2
64	Interaction of electrons with C ₆₀ ⁺ and C ₆₀ ⁰ post-ionization, dissociation and kinetic energy release. <i>Chemical Physics Letters</i> , 1995 , 247, 515-521	2.5	2

63	Ion attachment to Van der Waals clusters. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1993 , 26, 210-212		2
62	Ablation of tungsten surfaces in collisions with Ar ⁺ , He ⁺ and N ₂ ⁺ cation projectiles in the presence of D ₂ . <i>International Journal of Mass Spectrometry</i> , 2020 , 448, 116252	1.9	2
61	Dissociation of Valine Cluster Cations. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 8439-8445	2.8	2
60	Electronic transitions in Rb ₂ ⁺ dimers solvated in helium. <i>Theoretical Chemistry Accounts</i> , 2021 , 140, 1	1.9	2
59	Ca Ions Solvated in Helium Clusters. <i>Molecules</i> , 2021 , 26,	4.8	2
58	Phosphorus cluster cations formed in doped helium nanodroplets are different. <i>International Journal of Mass Spectrometry</i> , 2021 , 459, 116472	1.9	2
57	Adsorption of Helium on Small Cationic PAHs: Influence of Hydrocarbon Structure on the Microsolvation Pattern. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 7813-7824	2.8	2
56	Size and Velocity Distribution of Negatively Charged Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 7662-7669	2.8	2
55	Chiral recognition via abundances of mixed chiral clusters. <i>International Journal of Mass Spectrometry</i> , 2019 , 446, 116215	1.9	1
54	Selection of ionization paths of K ₂ on superfluid helium droplets by wave packet interference. <i>Chemical Physics Letters</i> , 2016 , 658, 109-113	2.5	1
53	Resonant electron attachment to mixed hydrogen/oxygen and deuterium/oxygen clusters. <i>Journal of Chemical Physics</i> , 2017 , 147, 194301	3.9	1
52	Charge dependent adsorption of carbon dioxide on fullerenes. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 072048	0.3	1
51	Dissociative electron attachment to the explosive detection taggant 2,3-dimethyl-2,3-dinitrobutane (DMNB). <i>European Physical Journal D</i> , 2012 , 66, 1	1.3	1
50	Reflection properties of small hydrocarbons impinging on tungsten and carbon surfaces. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 700-703	1.2	1
49	Electron ionization of superfluid helium nanodroplets doped with C ₆₀ and small molecules. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 012044	0.3	1
48	Unimolecular dissociation of singly- and multiply-charged fullerene ions 1997 , 108, 95-105		1
47	CALCULATION OF PROCESSES RELEVANT TO REACTIONS BETWEEN NUCLEIC ACIDS AND FREE ELECTRONS. <i>Chemical Engineering Communications</i> , 2008 , 195, 1371-1381	2.2	1
46	Combined Experimental and Theoretical Study on the Nature and the Metastable Decay Pathways of the Amino Acid Ion Fragment [M ⁺]. <i>Angewandte Chemie</i> , 2007 , 119, 8203-8205	3.6	1

45	Dissociative Electron Attachment to Thymine: Bond and Site Selectivity in Different Molecular Environments. <i>AIP Conference Proceedings</i> , 2007 ,	0	1
44	Gobet et al. Reply. <i>Physical Review Letters</i> , 2004 , 93,	7.4	1
43	Recent results on multiple ionization and fragmentation of negatively charged fullerene ions by electron impact. <i>Physics of the Solid State</i> , 2002 , 44, 511-514	0.8	1
42	Ion optics evaluation of the plasma ion mass spectrometer (PIMS) designed for the JET tokamak. <i>International Journal of Mass Spectrometry</i> , 2003 , 223-224, 45-53	1.9	1
41	Spontaneous Decay of Highly-Charged Fullerene Ions C ₆₀ Z ⁺ and C ₅₈ Z ⁺ . <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1996 , 4, 257-276		1
40	Observation and investigation of metastable decay series of (N ₂) ⁺ _n cluster ions. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1989 , 12, 285-287		1
39	Multiply charged cluster ions of Ar, Kr, Xe, N ₂ , O ₂ , CO ₂ SO ₂ and NH ₃ : Production mechanism, appearance size and appearance energy 1989 , 279-281		1
38	Stability of multiply charged fullerene ions 1999 , 91-94		1
37	Mixed cationic clusters of nitrogen and hydrogen. <i>Journal of Chemical Physics</i> , 2020 , 152, 014303	3.9	1
36	SF: Stabilizing Transient Ions in Helium Nanodroplets. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4112-4117	6.4	1
35	On the stability of neon cluster ions [Evidence for isomeric structures. <i>International Journal of Mass Spectrometry</i> , 2021 , 462, 116528	1.9	1
34	Reactions of atomic and molecular ions with acetone, 1,1,1-trifluoroacetone, and hexafluoroacetone: An investigation of the effects of molecular structure on the dynamics and kinetics of ion-molecule reactions. <i>International Journal of Mass Spectrometry</i> , 2014 , 369, 1-8	1.9	0
33	Adsorption of helium on a charged propeller molecule: hexaphenylbenzene. <i>European Physical Journal D</i> , 2021 , 75, 1	1.3	0
32	Energetic D ⁺ and He ⁺ impinging on solid beryllium: Observation of physical and chemically assisted atomic and molecular ion sputtering. <i>Nuclear Materials and Energy</i> , 2022 , 30, 101110	2.1	0
31	Electron Ionization of Size-Selected Positively and Negatively Charged Helium Droplets. <i>Atoms</i> , 2021 , 9, 74	2.1	0
30	Ionization of large helium nanodroplets. <i>Journal of Physics: Conference Series</i> , 2020 , 1412, 122019	0.3	
29	Formation of Dianions in Helium Nanodroplets. <i>Angewandte Chemie</i> , 2014 , 126, 14014-14017	3.6	
28	Evaporation of silicon nanoparticles under scanning tunneling microscope control. <i>Chemical Physics</i> , 2013 , 425, 141-147	2.3	

- 27 Das didaktische Potential der Rastertunnelmikroskopie in der Hochschullehre. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2015**, 22, 15-22 0.3
- 26 Electron driven water formation from oxyhydrogen clusters in superfluid helium nanodroplets. *Journal of Physics: Conference Series*, **2015**, 635, 072037 0.3
- 25 Electron-induced chemistry of cobalt tricarbonyl nitrosyl (Co(CO)₃NO) in liquid helium nanodroplets. *Journal of Physics: Conference Series*, **2015**, 635, 072045 0.3
- 24 High Resolution Electron Attachment to Water Clusters in Helium Droplets. *Journal of Physics: Conference Series*, **2015**, 635, 072078 0.3
- 23 Formation of HCN⁺ in heterogeneous surface reactions. *Journal of Physics: Conference Series*, **2015**, 635, 032019 0.3
- 22 Electron-Driven Self-Assembly of Salt Nanocrystals in Liquid Helium. *Angewandte Chemie*, **2014**, 126, 13746-13749 3.6
- 21 Energy harvesting in doped helium nano-droplets. *Journal of Physics: Conference Series*, **2012**, 388, 132003 0.3
- 20 Loss of hydrogen from amino acids upon low-energy electrons attachment. *Journal of Physics: Conference Series*, **2012**, 388, 052084 0.3
- 19 Spatiotemporal evolution of reaction fronts trigger by tunneling electrons. *Journal of Physics: Conference Series*, **2012**, 388, 052070 0.3
- 18 Electron emission for impact of slow fullerene ions on clean gold. *Physica Scripta*, **1997**, T73, 318-319 2.6
- 17 Experimental and theoretical determination of electron ionization cross sections for atoms, molecules and molecular ions relevant to fusion edge plasmas. *European Physical Journal D*, **1998**, 48, 333-338
- 16 Partial and Differential Electron Impact Ionization Cross-Sections for Small Hydrocarbon Molecules. *Springer Series in Chemical Physics*, **2005**, 437-456 0.3
- 15 Fragmentation of neutral van der Waals clusters with visible laser light: a new variant of the Raman effect?. *Zeitschrift Für Physik D-Atoms Molecules and Clusters*, **1989**, 12, 275-277
- 14 High resolution electron interaction studies with atoms, molecules, biomolecules and clusters **2005**, 149-177
- 13 Electron Attachment to Oxygen and Nitric Oxide Clusters **2001**, 683-692
- 12 Silicon Nanostructures Grown by Vapor Deposition on HOPG **2001**, 115-125
- 11 Ionization and Fragmentation of Fullerene Ions by Electron Impact **2002**, 163-166
- 10 Fragmentation of neutral van der Waals clusters with visible laser light: a new variant of the Raman effect? **1989**, 275-277

- 9 Observation and investigation of metastable decay series of $(N_2)_n$ cluster ions **1989**, 285-287
- 8 Interactions of electrons with SF₆: ionization and attachment **1989**, 303-305
- 7 Metastable decay of Ar n^+ involving single monomer evaporation and the loss of peculiar numbers of monomers **1991**, 607-609
- 6 Production and stability of oxygen cluster cations and anions, revisited **1991**, 651-653
- 5 Electron impact ionization and dissociation of neutral and charged fullerenes **1997**, 389-394
- 4 Electron attachment to nitric oxide clusters and electron impact ionization of carbon monoxide clusters **1999**, 159-162
- 3 Surface characterization determined from the secondary electron emission coefficient upon ion bombardment. *Applied Surface Science*, **2021**, 538, 148042 6.7
- 2 Formation of HCN in collisions of N and N with a self-assembled propanethiol surface on gold. *Physical Chemistry Chemical Physics*, **2021**, 23, 7777-7782 3.6
- 1 Mass Spectra Resulting from Collision Processes. *Atoms*, **2022**, 10, 56 2.1