

# Henning Zettergren

## List of Publications by Year in Descending Order

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

165  
papers

2,547  
citations

29  
h-index

41  
g-index

177  
ext. papers

2,813  
ext. citations

3  
avg, IF

4.4  
L-index

#	Paper	IF	Citations
165	State-Resolved Mutual Neutralization of $\text{Mg}^{\{+\}}$ and $\text{D}^{\{-}\}$ .. <i>Physical Review Letters</i> , <b>2022</b> , 128, 033401	7.4	0
164	Statistical vibrational autodetachment and radiative cooling rates of -benzoquinone.. <i>Physical Chemistry Chemical Physics</i> , <b>2022</b> , 24, 12002-12010	3.6	2
163	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2022</b> , 134, 054301	5	2
162	Survival of polycyclic aromatic hydrocarbon knockout fragments in the interstellar medium. <i>Nature Communications</i> , <b>2021</b> , 12, 6646	17.4	2
161	Mutual neutralisation of O with O: investigation of the role of metastable ions in a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 24607-24616	3.6	1
160	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , <b>2021</b> , 75, 1	1.3	8
159	Competitive Dehydrogenation and Backbone Fragmentation of Superhydrogenated PAHs: A Laboratory Study. <i>Astrophysical Journal</i> , <b>2021</b> , 913, 46	4.7	1
158	Experimental and theoretical studies of excited states in Ir. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	2
157	"Smart Decomposition" of Cyclic Alanine-Alanine Dipeptide by VUV Radiation: A Seed for the Synthesis of Biologically Relevant Species. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 7379-7386	6.4	4
156	Mutual Neutralization in $\text{Li}^{\{+\}}\text{H/D}$ and $\text{Na}^{\{+\}}\text{H/D}$ Collisions: Implications of Experimental Results for Non-LTE Modeling of Stellar Spectra. <i>Astrophysical Journal</i> , <b>2021</b> , 908, 245	4.7	5
155	Final-state-resolved mutual neutralization of $\text{Na}^{\{+\}}$ and $\text{D}$ . <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	2
154	Non-statistical fragmentation of $\text{C}_{60}$ and the formation of endohedral defect fullerenes. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1412, 202032	0.3	
153	Spontaneous decay of small carbon cluster dianions $\text{C}_n^{\{-2\}}$ ( $n=7-11$ ). <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1412, 232014	0.3	
152	Spontaneous Electron Emission from Hot Silver Dimer Anions: Breakdown of the Born-Oppenheimer Approximation. <i>Physical Review Letters</i> , <b>2020</b> , 124, 173001	7.4	6
151	Vibrational autodetachment from hot copper dimer anions: breakdown of the Born-Oppenheimer approximation. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1412, 232012	0.3	
150	Final state resolved mutual neutralization of $\text{Li}^{\{+\}}$ and $\text{D}$ . <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1412, 232008	0.3	
149	Radiative cooling of carbon cluster anions $\text{C}_{2n+1}^{\{-\}}$ ( $n = 3\text{B}$ ). <i>European Physical Journal D</i> , <b>2020</b> , 74, 1	1.3	9

148	Photodetachment Studies of Iridons at DESIREE. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1412, 132022.	2.3	0
147	On the mechanisms of formation and decomposition of peptide bonds. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1412, 212007	0.3	0
146	Radiative cooling dynamics of anthracene cations stored in DESIREE studied via the time evolution of 2-photon-absorption induced dissociation rate. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1412, 232013	0.3	0
145	Negative ion relaxation and reactions in a cryogenic storage ring. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1412, 062006	0.3	0
144	Unimolecular fragmentation and radiative cooling of isolated PAH ions: A quantitative study. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 154303	3.9	5
143	Cryogenic merged-ion-beam experiments in DESIREE: Final-state-resolved mutual neutralization of Li <sup>+</sup> and D <sup>+</sup> . <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	7
142	Storage time dependent photodissociation action spectroscopy of polycyclic aromatic hydrocarbon cations in the cryogenic electrostatic storage ring DESIREE. <i>Faraday Discussions</i> , <b>2019</b> , 217, 126-137	3.6	9
141	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> , <b>2019</b> , 52, 171003	1.3	12
140	Decay pathways for protonated and deprotonated adenine molecules. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 044306	3.9	0
139	Ultraslow radiative cooling of C (n = 3-5). <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 114304	3.9	8
138	Dianion diagnostics in DESIREE: High-sensitivity detection of C from a sputter ion source. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 033112	1.7	2
137	Shock-driven formation of covalently bound carbon nanoparticles from ion collisions with clusters of C <sub>60</sub> fullerenes. <i>Carbon</i> , <b>2018</b> , 129, 766-774	10.4	8
136	Ion collision-induced chemistry in pure and mixed loosely bound clusters of coronene and C molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 15052-15060	3.6	7
135	The threshold displacement energy of buckminsterfullerene C <sub>60</sub> and formation of the endohedral defect fullerene He@C <sub>59</sub> . <i>Carbon</i> , <b>2018</b> , 139, 906-912	10.4	4
134	DESIREE electrospray ion source test bench and setup for collision induced dissociation experiments. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 075102	1.7	5
133	Decays of excited silver-cluster anions Ag <sub>n</sub> , n=4 to 7, in the Double ElectroStatic Ion Ring Experiment. <i>Physical Review A</i> , <b>2018</b> , 98,	2.6	9
132	A summary of results obtained with the cryogenic electrostatic storage ring DESIREE. <i>Canadian Journal of Physics</i> , <b>2017</b> , 95, 817-820	1.1	1
131	Ion-induced molecular growth in clusters of small hydrocarbon chains. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 19665-19672	3.6	7

130	Interactions of energetic ions with fullerenes, PAHs, and their weakly bound clusters. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2017</b> , 408, 9-15	1.2	0
129	The structure of coronene cluster ions inferred from H uptake in the gas phase. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 27968-27973	3.6	11
128	Spontaneous decay of small copper-cluster anions $Cu_n^-(n=3-8)$ , on long time scales. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	18
127	Lifetimes of bound excited states of Pt. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 875, 022051	0.3	1
126	Knockout driven fragmentation of porphyrins. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 19750-19756	5.6	2
125	Rotationally Cold $OH^+$ Ions in the Cryogenic Electrostatic Ion-Beam Storage Ring DESIREE. <i>Physical Review Letters</i> , <b>2017</b> , 119, 073001	7.4	25
124	Rotationally cold ( $> 99\%$ $J = 0$ ) $OH^+$ molecular ions in a cryogenic storage ring. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 875, 012016	0.3	1
123	PHOTO-STABILITY OF SUPER-HYDROGENATED PAHs DETERMINED BY ACTION SPECTROSCOPY EXPERIMENTS. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 24	4.7	24
122	Radiative lifetimes of the bound excited states of Pt. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	11
121	Hydrogenated pyrene: Statistical single-carbon loss below the knockout threshold. <i>European Physical Journal D</i> , <b>2016</b> , 70, 1	1.3	10
120	Dimethylsilanone Generation from Pyrolysis of Polysiloxanes Filled with Nanosized Silica and Ceria/Silica. <i>ChemPlusChem</i> , <b>2016</b> , 81, 1003-1013	2.8	13
119	Interaction and charge transfer between dielectric spheres: Exact and approximate analytical solutions. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 194307	3.9	4
118	A precedent of van-der-Waals interactions outmatching Coulomb explosion. <i>Carbon</i> , <b>2016</b> , 109, 843-850	10.4	14
117	Knockout driven reactions in complex molecules and their clusters. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2016</b> , 49, 162001	1.3	43
116	Molecular Growth Inside of Polycyclic Aromatic Hydrocarbon Clusters Induced by Ion Collisions. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1536-42	6.4	51
115	Formation of $H_2$ from internally heated polycyclic aromatic hydrocarbons: excitation energy dependence. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 144305	3.9	37
114	High-energy collisions of protonated enantiopure amino acids with a chiral target gas. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 388, 59-64	1.9	5
113	Failure of hydrogenation in protecting polycyclic aromatic hydrocarbons from fragmentation. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	30

112	Fragmentation studies of Hydrogenated-Pyrene Polycyclic Aromatic Hydrocarbons in collisions with He. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 022020	0.3	
111	Threshold energies for single-carbon knockout from polycyclic aromatic hydrocarbons. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4504-9	6.4	23
110	DESIREE: Physics with cold stored ion beams. <i>EPJ Web of Conferences</i> , <b>2015</b> , 84, 01004	0.3	1
109	Ion-Induced Reactivity in Pyrene Clusters. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 583, 012011	0.3	1
108	Ions interacting with complex molecular systems: The effect of a surrounding environment. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 629, 012003	0.3	
107	Radiative cooling of hot C <sub>n</sub> H <sub>n</sub> and C <sub>n</sub> H <sub>n</sub> molecules. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 112124	0.3	
106	Molecular dynamics studies of impulse driven reactions in molecules and molecular clusters. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 032043	0.3	1
105	Improving detection efficiency in a cryogenic environment - implications for DESIREE. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 022039	0.3	
104	Collision Induced Dissociation of PAHs and Biomolecules. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 022045	0.3	
103	Measuring lifetimes of Polycyclic Aromatic Hydrocarbon fragments. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 032067	0.3	
102	Fusion reaction dynamics of fullerene molecules. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 032093	0.3	
101	H <sub>2</sub> formation from Polycyclic Aromatic Hydrocarbon molecules. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 032081	0.3	1
100	Isomer effects in fragmentation of Polycyclic Aromatic Hydrocarbons. <i>International Journal of Mass Spectrometry</i> , <b>2015</b> , 392, 58-62	1.9	13
99	Comment on "Surface-charge distribution on a dielectric sphere due to an external point charge: examples of C <sub>60</sub> and C <sub>240</sub> fullerenes, Phys. Chem. Chem. Phys., 2013, 15, 20115". <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 14969-70	3.6	
98	Fragmentation of anthracene C <sub>6</sub> H <sub>6</sub> <sup>+</sup> , acridine C <sub>12</sub> H <sub>10</sub> <sup>+</sup> and phenazine C <sub>12</sub> H <sub>8</sub> <sup>+</sup> ions in collisions with atoms. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 21980-7	3.6	24
97	Modeling electron and energy transfer processes in collisions between ions and Polycyclic Aromatic Hydrocarbon molecules. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 488, 102015	0.3	
96	Multiple electron capture, excitation, and fragmentation in C <sub>6</sub> <sup>+</sup> +C <sub>60</sub> collisions. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	7
95	Ions colliding with mixed clusters of C <sub>60</sub> and coronene: Fragmentation and bond formation. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	14

94	Non-statistical fragmentation of PAHs and fullerenes in collisions with atoms. <i>International Journal of Mass Spectrometry</i> , <b>2014</b> , 365-366, 260-265	1.9	32
93	Nonstatistical fragmentation of large molecules. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	49
92	Formation dynamics of fullerene dimers C <sub>118</sub> +, C <sub>119</sub> +, and C <sub>120</sub> +. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	26
91	First results from the Double ElectroStatic Ion-Ring ExpEriment, DESIREE. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 488, 092003	0.3	1
90	Bond formation in C+59 C <sub>60</sub> collisions. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 488, 012028	0.3	
89	Commissioning of the DESIREE storage rings in a new facility for cold ion-ion collisions. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 488, 012040	0.3	1
88	Absolute fragmentation cross sections in atom-molecule collisions: scaling laws for non-statistical fragmentation of polycyclic aromatic hydrocarbon molecules. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 224306	3.9	32
87	Ions colliding with polycyclic aromatic hydrocarbon clusters. <i>Physica Scripta</i> , <b>2013</b> , T156, 014062	2.6	0
86	Ions interacting with planar aromatic molecules: modeling electron transfer reactions. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 054306	3.9	17
85	First storage of ion beams in the Double Electrostatic Ion-Ring Experiment: DESIREE. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 055115	1.7	92
84	Ion-polycyclic aromatic hydrocarbon collisions: kinetic energy releases for specific fragmentation channels. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2013</b> , 46, 245201	1.3	16
83	Ions colliding with clusters of fullerenes--decay pathways and covalent bond formations. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 034309	3.9	19
82	Formations of dumbbell C <sub>118</sub> and C <sub>119</sub> inside clusters of C <sub>60</sub> molecules by collision with H <sup>+</sup> particles. <i>Physical Review Letters</i> , <b>2013</b> , 110, 185501	7.4	54
81	The Stability of Cosmic Fullerenes and Fullerenic Aggregates. <i>Proceedings of the International Astronomical Union</i> , <b>2013</b> , 9, 339-343	0.1	1
80	Low-energy ions interacting with anthracene molecules and clusters. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2012</b> , 279, 140-143	1.2	21
79	Comment on "Treating highly charged carbon and fullerene clusters as dielectric particles" by A. J. Stace and E. Bichoutskaia, <i>Phys. Chem. Chem. Phys.</i> , 2011, 13, 18339. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 16770; author reply 16771-2	3.6	8
78	Effects of charge location on the absorptions and lifetimes of protonated tyrosine peptides in vacuo. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 1701-9	2.8	4
77	The Double ElectroStatic Ion-Ring ExpEriment, DESIREE. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 142022	0.3	1

76	Are single C60 fullerenes dielectric or metallic?. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 16360-4	3.6	16
75	Activation energies for fragmentation channels of anthracene dications—Experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2012</b> , 45, 215201	1.3	16
74	Structures, energetics, and dynamics of helium adsorbed on isolated fullerene ions. <i>Physical Review Letters</i> , <b>2012</b> , 108, 076101	7.4	60
73	Density functional theory study of neutral, singly, and multiply charged Polycyclic Aromatic Hydrocarbon molecules. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 102023	0.3	
72	Ionization and fragmentation of cold clusters of PAH molecules [Collisions with keV ions. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 012051	0.3	4
71	Interaction of multiply charged ions with isolated polycyclic aromatic hydrocarbon molecules. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 102049	0.3	
70	Ionization and fragmentation of cold clusters of PAH molecules: collisions with keV ions. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 102060	0.3	2
69	Molecular isomer effects in ionization and fragmentation of PAH monomers and clusters: pyrene and fluoranthene. <i>Journal of Physics: Conference Series</i> , <b>2012</b> , 388, 102061	0.3	
68	The double electrostatic ion ring experiment: a unique cryogenic electrostatic storage ring for merged ion-beams studies. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 065112	1.7	86
67	Dissociation and multiple ionization energies for five polycyclic aromatic hydrocarbon molecules. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 044301	3.9	74
66	DESIREE: a unique cryogenic electrostatic storage ring for merged ion-beams studies. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 300, 012011	0.3	5
65	Polycyclic aromatic hydrocarbon-isomer fragmentation pathways: case study for pyrene and fluoranthene molecules and clusters. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 064302	3.9	19
64	Ionization and fragmentation of polycyclic aromatic hydrocarbon clusters in collisions with keV ions. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	38
63	Multiple ionization and fragmentation of isolated pyrene and coronene molecules in collision with ions. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	60
62	Electron capture induced dissociation of doubly protonated pentapeptides: dependence on molecular structure and charge separation. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 035102	3.9	8
61	Unimolecular dissociation of anthracene and acridine cations: the importance of isomerization barriers for the C2H2 loss and HCN loss channels. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 084304	3.9	17
60	Resonant electron capture by C60 ions at a metal surface with projected band gap. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	9
59	Magic and hot giant fullerenes formed inside ion irradiated weakly bound C(60) clusters. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 104301	3.9	24

58	The histidine effect. Electron transfer and capture cause different dissociations and rearrangements of histidine peptide cation-radicals. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 10728-40	16.4	55
57	UV photodissociation of protonated Gly-Trp and Trp-Gly dipeptides and their complexes with crown ether in an electrostatic ion storage ring. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 299-303	2.8	3
56	Ions colliding with cold polycyclic aromatic hydrocarbon clusters. <i>Physical Review Letters</i> , <b>2010</b> , 105, 213401	4.0	69
55	Double-bond versus triple-bond bridges: does it matter for the charge-transfer absorption by donor-acceptor chromophores?. <i>ChemPhysChem</i> , <b>2010</b> , 11, 2495-8	3.2	15
54	Density functional theory study of multiply ionized weakly bound fullerene dimers. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 224302	3.9	11
53	Near-infrared photoabsorption by C60 dianions in a storage ring. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 014301	3.9	11
52	Heat capacities of freely evaporating charged water clusters. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 224308	3.9	26
51	Electron-capture-induced dissociation of microsolvated di- and tripeptide monocations: elucidation of fragmentation channels from measurements of negative ions. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1619-23	3.2	7
50	Absorption spectra of 4-nitrophenolate ions measured in vacuo and in solution. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1207-9	3.2	27
49	Inside Cover: Absorption Spectra of 4-Nitrophenolate Ions Measured in Vacuo and in Solution (ChemPhysChem 8/2009). <i>ChemPhysChem</i> , <b>2009</b> , 10, 1150-1150	3.2	
48	Photodissociation of protonated tryptamine and its supramolecular complex with 18-crown-6 ether: Dissociation times and channels, absorption spectra, and excited states calculations. <i>Chemical Physics Letters</i> , <b>2009</b> , 480, 57-61	2.5	13
47	On the charge partitioning between c and z fragments formed after electron-capture induced dissociation of charge-tagged Lys-Lys and Ala-Lys dipeptide dications. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2009</b> , 20, 1881-9	3.5	21
46	Influence of temperature and crown ether complex formation on the charge partitioning between z and c fragments formed after electron capture by small peptide dications. <i>International Journal of Mass Spectrometry</i> , <b>2009</b> , 282, 21-27	1.9	9
45	Photodissociation of isolated ferric heme and heme-His cations in an electrostatic ion storage ring. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 1440-4	2.8	15
44	Carboxyl-catalyzed prototropic rearrangements in histidine peptide radicals upon electron transfer: effects of peptide sequence and conformation. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16472-87	16.4	25
43	Tagging of protonated Ala-Tyr and Tyr-Ala by crown ether prevents direct hydrogen loss and proton mobility after photoexcitation: importance for gas-phase absorption spectra, dissociation lifetimes, and channels. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 9277-85	2.8	20
42	Stability of multiply charged fullerene anions and cations. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	9
41	Collisions with biomolecules embedded in small water clusters. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 194, 012053	0.3	1

40	Electron capture induced dissociation of water embedded nucleotide anions. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 194, 102023	0.3	
39	Kinetic energy release distributions for C <sup>2+</sup> emission from multiply charged C <sub>60</sub> and C <sub>70</sub> fullerenes. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 163, 012088	0.3	
38	A Soret marker band for four-coordinate ferric heme proteins from absorption spectra of isolated Fe(III)-Heme <sup>+</sup> and Fe(III)-Heme <sup>+</sup> (His) ions in vacuo. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 11856-7	16.4	21
37	Photodissociation of protonated tryptophan and alteration of dissociation pathways by complexation with crown ether. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 184304	3.9	14
36	Fragmentation of isolated and nanosolvated biomolecular systems <b>2008</b> ,		2
35	Kinetic-energy-release distributions and barrier heights for C <sup>2+</sup> emission from multiply charged C <sub>60</sub> and C <sub>70</sub> fullerenes. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	11
34	A new technique for time-resolved daughter ion mass spectrometry on the microsecond to millisecond time scale using an electrostatic ion storage ring. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 023107	1.7	40
33	DESIREE as a new tool for interstellar ion chemistry. <i>International Journal of Astrobiology</i> , <b>2008</b> , 7, 205-208		25
32	Electron capture induced dissociation of nucleotide anions in water nanodroplets. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 075102	3.9	25
31	Stable non-IPR C <sub>60</sub> and C <sub>70</sub> fullerenes containing a uniform distribution of pyrenes and adjacent pentagons. <i>ChemPhysChem</i> , <b>2008</b> , 9, 861-6	3.2	38
30	Electron capture-induced dissociation of AK dipeptide dications: Influence of ion velocity, crown-ether complexation and collision gas. <i>International Journal of Mass Spectrometry</i> , <b>2008</b> , 276, 77-81	1.9	10
29	Neutralization of charged fullerenes during grazing scattering from a metal surface. <i>Physical Review Letters</i> , <b>2007</b> , 99, 037601	7.4	18
28	Even-odd effects in the ionization cross sections of [C <sub>60</sub> ] <sub>2</sub> and [C <sub>60</sub> C <sub>70</sub> ] dimers. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	33
27	Theoretical study of the stability of multiply charged C <sub>70</sub> fullerenes. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 104308	3.9	15
26	First- and second-electron affinities of C <sub>60</sub> and C <sub>70</sub> isomers. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	26
25	Multiple ionization and fragmentation of fullerene dimers by highly charged ion impact. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 88, 012039	0.3	1
24	Stabilities of multiply charged dimers and clusters of fullerenes. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 224303	3.9	36
23	Experimental separation of the Thomas charge-transfer process in high-velocity pHe collisions. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	31

22	Collision-induced dissociation of hydrated adenosine monophosphate nucleotide ions: protection of the ion in water nanoclusters. <i>Physical Review Letters</i> , <b>2006</b> , 97, 133401	7.4	60
21	Lifetimes of C60(2-) and C70(2-) dianions in a storage ring. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 024310,9	3.9	45
20	Fullerene collisions and clusters of fullerenes. <i>International Journal of Mass Spectrometry</i> , <b>2006</b> , 252, 117-125	1.9	3
19	Fragmentation and ionization of C70 and C60 by slow ions of intermediate charge. <i>European Physical Journal D</i> , <b>2006</b> , 38, 299-306	1.3	4
18	Transfer ionization in p+He collisions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 233, 43-47	1.2	5
17	Fragmentation of charged fullerene dimers: Kinetic energy release. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 235, 419-424	1.2	5
16	Ion beams of carbon clusters and multiply charged fullerenes produced with electron cyclotron resonance ion sources. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 053304	1.7	5
15	Two-center interference in fast proton $\rightarrow$ 2-electron transfer and excitation processes. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	29
14	Recoil-ion momentum distributions for transfer ionization in fast proton-He collisions. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	23
13	COLLISION INDUCED FRAGMENTATION OF FULLERENE CLUSTERS (C60) <sub>n</sub> . <i>International Journal of Modern Physics B</i> , <b>2005</b> , 19, 2345-2352	1.1	2
12	Electrostatic model calculations of fission barriers for fullerene ions. <i>European Physical Journal D</i> , <b>2004</b> , 29, 63-68	1.3	13
11	Photodissociation of protonated amino acids and peptides in an ion storage ring. Determination of Arrhenius parameters in the high-temperature limit. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 2676-2681	2.6	50
10	Ionization of C70 and C60 molecules by slow highly charged ions: A comparison. <i>Physical Review A</i> , <b>2004</b> , 69,	2.6	27
9	STABILITY AND FRAGMENTATION OF HIGHLY CHARGED FULLERENE CLUSTERS <b>2004</b> , 301-311		
8	Electron capture and loss by protonated peptides and proteins in collisions with and Na. <i>European Physical Journal D</i> , <b>2003</b> , 22, 75-79	1.3	15
7	Power-law decay of collisionally excited amino acids and quenching by radiative cooling. <i>European Physical Journal D</i> , <b>2003</b> , 25, 139-148	1.3	46
6	Energy releases in the fission of multiply charged C60 ions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 205, 643-650	1.2	6
5	Highly charged clusters of fullerenes: charge mobility and appearance sizes. <i>Physical Review Letters</i> , <b>2003</b> , 91, 215504	7.4	59

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|---|--------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 4 | Barriers for asymmetric fission of multiply charged C60 fullerenes. <i>Physical Review A</i> , <b>2003</b> , 67,                                 | 2.6 | 33 |
| 3 | Double-to-single target ionization ratio for electron capture in fast p-He collisions. <i>Physical Review Letters</i> , <b>2002</b> , 89, 163201 | 7.4 | 33 |
| 2 | Static over-the-barrier model for electron transfer between metallic spherical objects. <i>Physical Review A</i> , <b>2002</b> , 66,             | 2.6 | 53 |
| 1 | Stabilization of electrons on Ar <sub>q</sub> <sup>+</sup> ions after slow collisions with C60. <i>Physical Review A</i> , <b>2001</b> , 63,     | 2.6 | 18 |