

Henning Zettergren

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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	First storage of ion beams in the Double Electrostatic Ion-Ring Experiment: DESIREE. <i>Review of Scientific Instruments</i> , 2013 , 84, 055115	1.7	92
164	The double electrostatic ion ring experiment: a unique cryogenic electrostatic storage ring for merged ion-beams studies. <i>Review of Scientific Instruments</i> , 2011 , 82, 065112	1.7	86
163	Dissociation and multiple ionization energies for five polycyclic aromatic hydrocarbon molecules. <i>Journal of Chemical Physics</i> , 2011 , 134, 044301	3.9	74
162	Ions colliding with cold polycyclic aromatic hydrocarbon clusters. <i>Physical Review Letters</i> , 2010 , 105, 213401	7.4	69
161	Structures, energetics, and dynamics of helium adsorbed on isolated fullerene ions. <i>Physical Review Letters</i> , 2012 , 108, 076101	7.4	60
160	Multiple ionization and fragmentation of isolated pyrene and coronene molecules in collision with ions. <i>Physical Review A</i> , 2011 , 83,	2.6	60
159	Collision-induced dissociation of hydrated adenosine monophosphate nucleotide ions: protection of the ion in water nanoclusters. <i>Physical Review Letters</i> , 2006 , 97, 133401	7.4	60
158	Highly charged clusters of fullerenes: charge mobility and appearance sizes. <i>Physical Review Letters</i> , 2003 , 91, 215504	7.4	59
157	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> , 2010 , 132, 10728-40	16.4	55
156	Formations of dumbbell C118 and C119 inside clusters of C60 molecules by collision with H^+ particles. <i>Physical Review Letters</i> , 2013 , 110, 185501	7.4	54
155	Static over-the-barrier model for electron transfer between metallic spherical objects. <i>Physical Review A</i> , 2002 , 66,	2.6	53
154	Molecular Growth Inside of Polycyclic Aromatic Hydrocarbon Clusters Induced by Ion Collisions. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1536-42	6.4	51
153	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> , 2004 , 6, 2676-2681	3.6	50
152	Nonstatistical fragmentation of large molecules. <i>Physical Review A</i> , 2014 , 89,	2.6	49
151	Power-law decay of collisionally excited amino acids and quenching by radiative cooling. <i>European Physical Journal D</i> , 2003 , 25, 139-148	1.3	46
150	Lifetimes of C60(2-) and C70(2-) dianions in a storage ring. <i>Journal of Chemical Physics</i> , 2006 , 124, 024310	3.9	45
149	Knockout driven reactions in complex molecules and their clusters. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 162001	1.3	43

148	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> , 2008 , 79, 023107	1.7	40
147	Ionization and fragmentation of polycyclic aromatic hydrocarbon clusters in collisions with keV ions. <i>Physical Review A</i> , 2011 , 84,	2.6	38
146	Stable non-IPR C60 and C70 fullerenes containing a uniform distribution of pyrenes and adjacent pentagons. <i>ChemPhysChem</i> , 2008 , 9, 861-6	3.2	38
145	Formation of H2 from internally heated polycyclic aromatic hydrocarbons: excitation energy dependence. <i>Journal of Chemical Physics</i> , 2015 , 142, 144305	3.9	37
144	Stabilities of multiply charged dimers and clusters of fullerenes. <i>Journal of Chemical Physics</i> , 2007 , 126, 224303	3.9	36
143	Even-odd effects in the ionization cross sections of [C60]2 and [C60C70] dimers. <i>Physical Review A</i> , 2007 , 75,	2.6	33
142	Barriers for asymmetric fission of multiply charged C60 fullerenes. <i>Physical Review A</i> , 2003 , 67,	2.6	33
141	Double-to-single target ionization ratio for electron capture in fast p-He collisions. <i>Physical Review Letters</i> , 2002 , 89, 163201	7.4	33
140	Non-statistical fragmentation of PAHs and fullerenes in collisions with atoms. <i>International Journal of Mass Spectrometry</i> , 2014 , 365-366, 260-265	1.9	32
139	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> , 2014 , 140, 224306	3.9	32
138	Experimental separation of the Thomas charge-transfer process in high-velocity pHe collisions. <i>Physical Review A</i> , 2006 , 73,	2.6	31
137	Failure of hydrogenation in protecting polycyclic aromatic hydrocarbons from fragmentation. <i>Physical Review A</i> , 2015 , 92,	2.6	30
136	Two-center interference in fast protonH2-electron transfer and excitation processes. <i>Physical Review A</i> , 2005 , 72,	2.6	29
135	Absorption spectra of 4-nitrophenolate ions measured in vacuo and in solution. <i>ChemPhysChem</i> , 2009 , 10, 1207-9	3.2	27
134	Ionization of C70 and C60 molecules by slow highly charged ions: A comparison. <i>Physical Review A</i> , 2004 , 69,	2.6	27
133	Formation dynamics of fullerene dimers C118+, C119+, and C120+. <i>Physical Review A</i> , 2014 , 89,	2.6	26
132	Heat capacities of freely evaporating charged water clusters. <i>Journal of Chemical Physics</i> , 2009 , 130, 224308	3.9	26
131	First- and second-electron affinities of C60 and C70 isomers. <i>Physical Review A</i> , 2007 , 76,	2.6	26

130	Rotationally Cold OH ⁻ Ions in the Cryogenic Electrostatic Ion-Beam Storage Ring DESIREE. <i>Physical Review Letters</i> , 2017 , 119, 073001	7.4	25
129	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> , 2009 , 131, 16472-87	16.4	25
128	DESIREE as a new tool for interstellar ion chemistry. <i>International Journal of Astrobiology</i> , 2008 , 7, 205-208	2.8	25
127	Electron capture induced dissociation of nucleotide anions in water nanodroplets. <i>Journal of Chemical Physics</i> , 2008 , 128, 075102	3.9	25
126	PHOTO-STABILITY OF SUPER-HYDROGENATED PAHs DETERMINED BY ACTION SPECTROSCOPY EXPERIMENTS. <i>Astrophysical Journal</i> , 2016 , 832, 24	4.7	24
125	Fragmentation of anthracene C ₁₀ H ₈ ⁺ , acridine C ₁₃ H ₉ ⁺ and phenazine C ₁₂ H ₈ ⁺ ions in collisions with atoms. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21980-7	3.6	24
124	Magic and hot giant fullerenes formed inside ion irradiated weakly bound C(60) clusters. <i>Journal of Chemical Physics</i> , 2010 , 133, 104301	3.9	24
123	Threshold energies for single-carbon knockout from polycyclic aromatic hydrocarbons. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4504-9	6.4	23
122	Recoil-ion momentum distributions for transfer ionization in fast proton-He collisions. <i>Physical Review A</i> , 2005 , 72,	2.6	23
121	Low-energy ions interacting with anthracene molecules and clusters. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 279, 140-143	1.2	21
120	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> , 2009 , 20, 1881-9	3.5	21
119	A Soret marker band for four-coordinate ferric heme proteins from absorption spectra of isolated Fe(III)-Heme ⁺ and Fe(III)-Heme ⁺ (His) ions in vacuo. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11856-7	16.4	21
118	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> , 2009 , 113, 9277-85	2.8	20
117	Ions colliding with clusters of fullerenes--decay pathways and covalent bond formations. <i>Journal of Chemical Physics</i> , 2013 , 139, 034309	3.9	19
116	Polycyclic aromatic hydrocarbon-isomer fragmentation pathways: case study for pyrene and fluoranthene molecules and clusters. <i>Journal of Chemical Physics</i> , 2011 , 135, 064302	3.9	19
115	Spontaneous decay of small copper-cluster anions Cu _n ⁻ (n=3-8), on long time scales. <i>Physical Review A</i> , 2017 , 95,	2.6	18
114	Neutralization of charged fullerenes during grazing scattering from a metal surface. <i>Physical Review Letters</i> , 2007 , 99, 037601	7.4	18
113	Stabilization of electrons on Arq ⁺ ions after slow collisions with C60. <i>Physical Review A</i> , 2001 , 63,	2.6	18

112	Ions interacting with planar aromatic molecules: modeling electron transfer reactions. <i>Journal of Chemical Physics</i> , 2013 , 138, 054306	3.9	17
111	Unimolecular dissociation of anthracene and acridine cations: the importance of isomerization barriers for the C ₂ H ₂ loss and HCN loss channels. <i>Journal of Chemical Physics</i> , 2011 , 135, 084304	3.9	17
110	Are single C ₆₀ fullerenes dielectric or metallic?. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 16360-4	3.6	16
109	Activation energies for fragmentation channels of anthracene dications: Experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 215201	1.3	16
108	Polycyclic aromatic hydrocarbon collisions: kinetic energy releases for specific fragmentation channels. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 245201	1.3	16
107	Photodissociation of isolated ferric heme and heme-His cations in an electrostatic ion storage ring. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 1440-4	2.8	15
106	Double-bond versus triple-bond bridges: does it matter for the charge-transfer absorption by donor-acceptor chromophores?. <i>ChemPhysChem</i> , 2010 , 11, 2495-8	3.2	15
105	Theoretical study of the stability of multiply charged C ₇₀ fullerenes. <i>Journal of Chemical Physics</i> , 2007 , 127, 104308	3.9	15
104	Electron capture and loss by protonated peptides and proteins in collisions with and Na. <i>European Physical Journal D</i> , 2003 , 22, 75-79	1.3	15
103	Ions colliding with mixed clusters of C ₆₀ and coronene: Fragmentation and bond formation. <i>Physical Review A</i> , 2014 , 90,	2.6	14
102	Photodissociation of protonated tryptophan and alteration of dissociation pathways by complexation with crown ether. <i>Journal of Chemical Physics</i> , 2008 , 129, 184304	3.9	14
101	A precedent of van-der-Waals interactions outmatching Coulomb explosion. <i>Carbon</i> , 2016 , 109, 843-850	10.4	14
100	Isomer effects in fragmentation of Polycyclic Aromatic Hydrocarbons. <i>International Journal of Mass Spectrometry</i> , 2015 , 392, 58-62	1.9	13
99	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> , 2009 , 480, 57-61	2.5	13
98	Electrostatic model calculations of fission barriers for fullerene ions. <i>European Physical Journal D</i> , 2004 , 29, 63-68	1.3	13
97	Dimethylsilanone Generation from Pyrolysis of Polysiloxanes Filled with Nanosized Silica and Ceria/Silica. <i>ChemPlusChem</i> , 2016 , 81, 1003-1013	2.8	13
96	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
95	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

94	Radiative lifetimes of the bound excited states of Pt ⁺ . <i>Physical Review A</i> , 2016 , 94,	2.6	11
93	Density functional theory study of multiply ionized weakly bound fullerene dimers. <i>Journal of Chemical Physics</i> , 2009 , 130, 224302	3.9	11
92	Near-infrared photoabsorption by C ₆₀ dianions in a storage ring. <i>Journal of Chemical Physics</i> , 2009 , 131, 014301	3.9	11
91	Kinetic-energy-release distributions and barrier heights for C ₂ ⁺ emission from multiply charged C ₆₀ and C ₇₀ fullerenes. <i>Physical Review A</i> , 2008 , 78,	2.6	11
90	Hydrogenated pyrene: Statistical single-carbon loss below the knockout threshold. <i>European Physical Journal D</i> , 2016 , 70, 1	1.3	10
89	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> , 2008 , 276, 77-81 ¹⁻⁹	1.9	10
88	Storage time dependent photodissociation action spectroscopy of polycyclic aromatic hydrocarbon cations in the cryogenic electrostatic storage ring DESIREE. <i>Faraday Discussions</i> , 2019 , 217, 126-137	3.6	9
87	Resonant electron capture by C ₆₀ ions at a metal surface with projected band gap. <i>Physical Review B</i> , 2010 , 81,	3.3	9
86	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> , 2009 , 282, 21-27	1.9	9
85	Stability of multiply charged fullerene anions and cations. <i>Physical Review A</i> , 2009 , 80,	2.6	9
84	Radiative cooling of carbon cluster anions C _{2n+1} ⁻ (n = 3-5). <i>European Physical Journal D</i> , 2020 , 74, 1	1.3	9
83	Decays of excited silver-cluster anions Ag _n , n=4 to 7, in the Double ElectroStatic Ion Ring Experiment. <i>Physical Review A</i> , 2018 , 98,	2.6	9
82	Shock-driven formation of covalently bound carbon nanoparticles from ion collisions with clusters of C ₆₀ fullerenes. <i>Carbon</i> , 2018 , 129, 766-774	10.4	8
81	Ultraslow radiative cooling of C (n = 3-5). <i>Journal of Chemical Physics</i> , 2019 , 151, 114304	3.9	8
80	Comment on "Treating highly charged carbon and fullerene clusters as dielectric particles" by A. J. Stace and E. Bichoutskaia, Phys. Chem. Chem. Phys., 2011, 13, 18339. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 16770; author reply 16771-2	3.6	8
79	Electron capture induced dissociation of doubly protonated pentapeptides: dependence on molecular structure and charge separation. <i>Journal of Chemical Physics</i> , 2011 , 134, 035102	3.9	8
78	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , 2021 , 75, 1	1.3	8
77	Ion-induced molecular growth in clusters of small hydrocarbon chains. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 19665-19672	3.6	7

76	Ion collision-induced chemistry in pure and mixed loosely bound clusters of coronene and C molecules. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 15052-15060	3.6	7
75	Multiple electron capture, excitation, and fragmentation in C ₆ +C ₆₀ collisions. <i>Physical Review A</i> , 2014 , 90,	2.6	7
74	Electron-capture-induced dissociation of microsolvated di- and tripeptide monocations: elucidation of fragmentation channels from measurements of negative ions. <i>ChemPhysChem</i> , 2009 , 10, 1619-23	3.2	7
73	Cryogenic merged-ion-beam experiments in DESIREE: Final-state-resolved mutual neutralization of Li ⁺ and D ⁺ . <i>Physical Review A</i> , 2020 , 102,	2.6	7
72	Spontaneous Electron Emission from Hot Silver Dimer Anions: Breakdown of the Born-Oppenheimer Approximation. <i>Physical Review Letters</i> , 2020 , 124, 173001	7.4	6
71	Energy releases in the fission of multiply charged C ₆₀ ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 205, 643-650	1.2	6
70	High-energy collisions of protonated enantiopure amino acids with a chiral target gas. <i>International Journal of Mass Spectrometry</i> , 2015 , 388, 59-64	1.9	5
69	DESIREE electrospray ion source test bench and setup for collision induced dissociation experiments. <i>Review of Scientific Instruments</i> , 2018 , 89, 075102	1.7	5
68	DESIREE: a unique cryogenic electrostatic storage ring for merged ion-beams studies. <i>Journal of Physics: Conference Series</i> , 2011 , 300, 012011	0.3	5
67	Transfer ionization in p+He collisions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 233, 43-47	1.2	5
66	Fragmentation of charged fullerene dimers: Kinetic energy release. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 235, 419-424	1.2	5
65	Ion beams of carbon clusters and multiply charged fullerenes produced with electron cyclotron resonance ion sources. <i>Review of Scientific Instruments</i> , 2005 , 76, 053304	1.7	5
64	Unimolecular fragmentation and radiative cooling of isolated PAH ions: A quantitative study. <i>Journal of Chemical Physics</i> , 2020 , 153, 154303	3.9	5
63	Mutual Neutralization in Li ⁺ +H ₂ D ⁺ and Na ⁺ +H ₂ D ⁺ Collisions: Implications of Experimental Results for Non-LTE Modeling of Stellar Spectra. <i>Astrophysical Journal</i> , 2021 , 908, 245	4.7	5
62	The threshold displacement energy of buckminsterfullerene C ₆₀ and formation of the endohedral defect fullerene He@C ₅₉ . <i>Carbon</i> , 2018 , 139, 906-912	10.4	4
61	Effects of charge location on the absorptions and lifetimes of protonated tyrosine peptides in vacuo. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 1701-9	2.8	4
60	Ionization and fragmentation of cold clusters of PAH molecules in collisions with keV ions. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 012051	0.3	4
59	Fragmentation and ionization of C ₇₀ and C ₆₀ by slow ions of intermediate charge. <i>European Physical Journal D</i> , 2006 , 38, 299-306	1.3	4

58	"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> , 2021 , 12, 7379-7386	6.4	4
57	Interaction and charge transfer between dielectric spheres: Exact and approximate analytical solutions. <i>Journal of Chemical Physics</i> , 2016 , 145, 194307	3.9	4
56	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> , 2010 , 114, 299-303	2.8	3
55	Fullerene collisions and clusters of fullerenes. <i>International Journal of Mass Spectrometry</i> , 2006 , 252, 117-125	1.9	3
54	Dianion diagnostics in DESIREE: High-sensitivity detection of C from a sputter ion source. <i>Review of Scientific Instruments</i> , 2018 , 89, 033112	1.7	2
53	Knockout driven fragmentation of porphyrins. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 19750-19756	3.6	2
52	Ionization and fragmentation of cold clusters of PAH molecules: collisions with keV ions. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 102060	0.3	2
51	Fragmentation of isolated and nanosolvated biomolecular systems 2008 ,		2
50	COLLISION INDUCED FRAGMENTATION OF FULLERENE CLUSTERS (C ₆₀) _n . <i>International Journal of Modern Physics B</i> , 2005 , 19, 2345-2352	1.1	2
49	Survival of polycyclic aromatic hydrocarbon knockout fragments in the interstellar medium. <i>Nature Communications</i> , 2021 , 12, 6646	17.4	2
48	Experimental and theoretical studies of excited states in Ir. <i>Physical Review A</i> , 2021 , 103,	2.6	2
47	Final-state-resolved mutual neutralization of Na ⁺ and D. <i>Physical Review A</i> , 2021 , 103,	2.6	2
46	Statistical vibrational autodetachment and radiative cooling rates of -benzoquinone.. <i>Physical Chemistry Chemical Physics</i> , 2022 , 24, 12002-12010	3.6	2
45	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2022 , 134, 054301	5	2
44	A summary of results obtained with the cryogenic electrostatic storage ring DESIREE. <i>Canadian Journal of Physics</i> , 2017 , 95, 817-820	1.1	1
43	Lifetimes of bound excited states of Pt. <i>Journal of Physics: Conference Series</i> , 2017 , 875, 022051	0.3	1
42	First results from the Double ElectroStatic Ion-Ring ExpEriment, DESIREE. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 092003	0.3	1
41	Commissioning of the DESIREE storage rings in a new facility for cold ion-ion collisions. <i>Journal of Physics: Conference Series</i> , 2014 , 488, 012040	0.3	1

40	Rotationally cold (> 99% J = 0) OH ⁺ molecular ions in a cryogenic storage ring. <i>Journal of Physics: Conference Series</i> , 2017 , 875, 012016	0.3	1
39	DESIREE: Physics with cold stored ion beams. <i>EPJ Web of Conferences</i> , 2015 , 84, 01004	0.3	1
38	Ion-Induced Reactivity in Pyrene Clusters. <i>Journal of Physics: Conference Series</i> , 2015 , 583, 012011	0.3	1
37	Molecular dynamics studies of impulse driven reactions in molecules and molecular clusters. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 032043	0.3	1
36	H ₂ formation from Polycyclic Aromatic Hydrocarbon molecules. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 032081	0.3	1
35	The Double ElectroStatic Ion-Ring Experiment, DESIREE. <i>Journal of Physics: Conference Series</i> , 2012 , 388, 142022	0.3	1
34	The Stability of Cosmic Fullerenes and Fullerenic Aggregates. <i>Proceedings of the International Astronomical Union</i> , 2013 , 9, 339-343	0.1	1
33	Collisions with biomolecules embedded in small water clusters. <i>Journal of Physics: Conference Series</i> , 2009 , 194, 012053	0.3	1
32	Multiple ionization and fragmentation of fullerene dimers by highly charged ion impact. <i>Journal of Physics: Conference Series</i> , 2007 , 88, 012039	0.3	1
31	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> , 2021 , 23, 24607-24616	3.6	1
30	Competitive Dehydrogenation and Backbone Fragmentation of Superhydrogenated PAHs: A Laboratory Study. <i>Astrophysical Journal</i> , 2021 , 913, 46	4.7	1
29	Interactions of energetic ions with fullerenes, PAHs, and their weakly bound clusters. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 408, 9-15	1.2	0
28	Ions colliding with polycyclic aromatic hydrocarbon clusters. <i>Physica Scripta</i> , 2013 , T156, 014062	2.6	0
27	State-Resolved Mutual Neutralization of Mg ⁺ and D ⁻ . <i>Physical Review Letters</i> , 2022 , 128, 033401	7.4	0
26	Negative ion relaxation and reactions in a cryogenic storage ring. <i>Journal of Physics: Conference Series</i> , 2020 , 1412, 062006	0.3	0
25	Non-statistical fragmentation of C ₆₀ and the formation of endohedral defect fullerenes. <i>Journal of Physics: Conference Series</i> , 2020 , 1412, 202032	0.3	
24	Spontaneous decay of small carbon cluster dianions $\{\{\text{C}}\}_{\{\text{n}}\}^{\{2-\}}$ (n=7-11). <i>Journal of Physics: Conference Series</i> , 2020 , 1412, 232014	0.3	
23	Decay pathways for protonated and deprotonated adenine molecules. <i>Journal of Chemical Physics</i> , 2019 , 151, 044306	3.9	

- 22 Comment on "Surface-charge distribution on a dielectric sphere due to an external point charge: examples of C₆₀ and C₂₄₀ fullerenes, *Phys. Chem. Chem. Phys.*, 2013, 15, 20115". *Physical Chemistry Chemical Physics*, **2014**, 16, 14969-70 3.6
- 21 Modeling electron and energy transfer processes in collisions between ions and Polycyclic Aromatic Hydrocarbon molecules. *Journal of Physics: Conference Series*, **2014**, 488, 102015 0.3
- 20 Bond formation in C⁺59 [C₆₀ collisions. *Journal of Physics: Conference Series*, **2014**, 488, 012028 0.3
- 19 Fragmentation studies of Hydrogenated-Pyrene Polycyclic Aromatic Hydrocarbons in collisions with He. *Journal of Physics: Conference Series*, **2015**, 635, 022020 0.3
- 18 Ions interacting with complex molecular systems: The effect of a surrounding environment. *Journal of Physics: Conference Series*, **2015**, 629, 012003 0.3
- 17 Radiative cooling of hot C_nH_m and C_nH_n molecules. *Journal of Physics: Conference Series*, **2015**, 635, 112124 0.3
- 16 Improving detection efficiency in a cryogenic environment - implications for DESIREE. *Journal of Physics: Conference Series*, **2015**, 635, 022039 0.3
- 15 Collision Induced Dissociation of PAHs and Biomolecules. *Journal of Physics: Conference Series*, **2015**, 635, 022045 0.3
- 14 Measuring lifetimes of Polycyclic Aromatic Hydrocarbon fragments. *Journal of Physics: Conference Series*, **2015**, 635, 032067 0.3
- 13 Fusion reaction dynamics of fullerene molecules. *Journal of Physics: Conference Series*, **2015**, 635, 032093 0.3
- 12 Inside Cover: Absorption Spectra of 4-Nitrophenolate Ions Measured in Vacuo and in Solution (*ChemPhysChem* 8/2009). *ChemPhysChem*, **2009**, 10, 1150-1150 3.2
- 11 Density functional theory study of neutral, singly, and multiply charged Polycyclic Aromatic Hydrocarbon molecules. *Journal of Physics: Conference Series*, **2012**, 388, 102023 0.3
- 10 Interaction of multiply charged ions with isolated polycyclic aromatic hydrocarbon molecules. *Journal of Physics: Conference Series*, **2012**, 388, 102049 0.3
- 9 Molecular isomer effects in ionization and fragmentation of PAH monomers and clusters: pyrene and fluoranthene. *Journal of Physics: Conference Series*, **2012**, 388, 102061 0.3
- 8 Electron capture induced dissociation of water embedded nucleotide anions. *Journal of Physics: Conference Series*, **2009**, 194, 102023 0.3
- 7 Kinetic energy release distributions for C⁺2 emission from multiply charged C₆₀ and C₇₀ fullerenes. *Journal of Physics: Conference Series*, **2009**, 163, 012088 0.3
- 6 Vibrational autodetachment from hot copper dimer anions: breakdown of the Born-Oppenheimer approximation. *Journal of Physics: Conference Series*, **2020**, 1412, 232012 0.3
- 5 STABILITY AND FRAGMENTATION OF HIGHLY CHARGED FULLERENE CLUSTERS **2004**, 301-311

- 4 Final state resolved mutual neutralization of Li^+ and D^+ . *Journal of Physics: Conference Series*, **2020**, 1412, 232008 0.3
- 3 Photodetachment Studies of Ir^+ Ions at DESIREE. *Journal of Physics: Conference Series*, **2020**, 1412, 132022. 0.3
- 2 On the mechanisms of formation and decomposition of peptide bonds. *Journal of Physics: Conference Series*, **2020**, 1412, 212007 0.3
- 1 Radiative cooling dynamics of anthracene cations stored in DESIREE studied via the time evolution of 2-photon-absorption induced dissociation rate. *Journal of Physics: Conference Series*, **2020**, 1412, 232013 0.3