

# Henning Zettergren

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3589435/publications.pdf>

Version: 2024-02-01

175  
papers

3,040  
citations

147801

31  
h-index

223800

46  
g-index

177  
all docs

177  
docs citations

177  
times ranked

1617  
citing authors

#	ARTICLE	IF	CITATIONS
1	First storage of ion beams in the Double Electrostatic Ion-Ring Experiment: DESIREE. Review of Scientific Instruments, 2013, 84, 055115.	1.3	116
2	The double electrostatic ion ring experiment: A unique cryogenic electrostatic storage ring for merged ion-beams studies. Review of Scientific Instruments, 2011, 82, 065112.	1.3	105
3	Dissociation and multiple ionization energies for five polycyclic aromatic hydrocarbon molecules. Journal of Chemical Physics, 2011, 134, 044301.	3.0	84
4	Ions Colliding with Cold Polycyclic Aromatic Hydrocarbon Clusters. Physical Review Letters, 2010, 105, 213401.	7.8	72
5	Structures, Energetics, and Dynamics of Helium Adsorbed on Isolated Fullerene Ions. Physical Review Letters, 2012, 108, 076101.	7.8	68
6	Multiple ionization and fragmentation of isolated pyrene and coronene molecules in collision with ions. Physical Review A, 2011, 83, .	2.5	66
7	Collision-Induced Dissociation of Hydrated Adenosine Monophosphate Nucleotide Ions: Protection of the Ion in Water Nanoclusters. Physical Review Letters, 2006, 97, 133401.	7.8	65
8	Molecular Growth Inside of Polycyclic Aromatic Hydrocarbon Clusters Induced by Ion Collisions. Journal of Physical Chemistry Letters, 2015, 6, 1536-1542.	4.6	62
9	Highly Charged Clusters of Fullerenes: Charge Mobility and Appearance Sizes. Physical Review Letters, 2003, 91, 215504.	7.8	61
10	Highly Charged Clusters of Fullerenes: Charge Mobility and Appearance Sizes. Physical Review Letters, 2003, 91, 215504.	7.8	60
11	Nonstatistical fragmentation of large molecules. Physical Review A, 2014, 89, .	2.5	57
12	Static over-the-barrier model for electron transfer between metallic spherical objects. Physical Review A, 2002, 66, .	2.5	55
13	The Histidine Effect. Electron Transfer and Capture Cause Different Dissociations and Rearrangements of Histidine Peptide Cation-Radicals. Journal of the American Chemical Society, 2010, 132, 10728-10740.	13.7	55
14	Photodissociation of protonated amino acids and peptides in an ion storage ring. Determination of Arrhenius parameters in the high-temperature limit. Physical Chemistry Chemical Physics, 2004, 6, 2676-2681.	2.8	53
15	Power-law decay of collisionally excited amino acids and quenching by radiative cooling. European Physical Journal D, 2003, 25, 139-148.	1.3	52
16	Knockout driven reactions in complex molecules and their clusters. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 162001.	1.5	52
17	Lifetimes of C60 <sup>2-</sup> and C70 <sup>2-</sup> dianions in a storage ring. Journal of Chemical Physics, 2006, 124, 024310.	3.0	47
18	A new technique for time-resolved daughter ion mass spectrometry on the microsecond to millisecond time scale using an electrostatic ion storage ring. Review of Scientific Instruments, 2008, 79, 023107.	1.3	43

#	ARTICLE	IF	CITATIONS
19	Formation of H <sub>2</sub> from internally heated polycyclic aromatic hydrocarbons: Excitation energy dependence. <i>Journal of Chemical Physics</i> , 2015, 142, 144305.	3.0	43
20	Rotationally Cold $\text{C}_{60}^+$ Ions in the Cryogenic Electrostatic Ion-Beam Storage Ring DESIREE. <i>Physical Review Letters</i> , 2017, 119, 073001.	7.8	41
21	Failure of hydrogenation in protecting polycyclic aromatic hydrocarbons from fragmentation. <i>Physical Review A</i> , 2015, 92, .	2.5	40
22	Stabilities of multiply charged dimers and clusters of fullerenes. <i>Journal of Chemical Physics</i> , 2007, 126, 224303.	3.0	39
23	Stable Non-PR C <sub>60</sub> and C <sub>70</sub> Fullerenes Containing a Uniform Distribution of Pyrenes and Adjacent Pentagons. <i>ChemPhysChem</i> , 2008, 9, 861-866.	2.1	39
24	Ionization and fragmentation of polycyclic aromatic hydrocarbon clusters in collisions with keV ions. <i>Physical Review A</i> , 2011, 84, .	2.5	38
25	Double-to-Single Target Ionization Ratio for Electron Capture in Fast-He Collisions. <i>Physical Review Letters</i> , 2002, 89, 163201.	7.8	36
26	Even-odd effects in the ionization cross sections of [C <sub>60</sub> ] <sup>2+</sup> and [C <sub>60</sub> C <sub>70</sub> ] <sup>2+</sup> dimers. <i>Physical Review A</i> , 2007, 75, .	2.5	36
27	Barriers for asymmetric fission of multiply charged C <sub>60</sub> fullerenes. <i>Physical Review A</i> , 2003, 67, .	2.5	35
28	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.	3.0	35
29	Non-statistical fragmentation of PAHs and fullerenes in collisions with atoms. <i>International Journal of Mass Spectrometry</i> , 2014, 365-366, 260-265.	1.5	34
30	Experimental separation of the Thomas charge-transfer process in high-velocity He collisions. <i>Physical Review A</i> , 2006, 73, .	2.5	33
31	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	32
32	Two-center interference in fast proton-H <sub>2</sub> -electron transfer and excitation processes. <i>Physical Review A</i> , 2005, 72, .	2.5	31
33	First- and second-electron affinities of C <sub>60</sub> and C <sub>70</sub> isomers. <i>Physical Review A</i> , 2007, 76, .	2.5	30
34	DESIREE as a new tool for interstellar ion chemistry. <i>International Journal of Astrobiology</i> , 2008, 7, 205-208.	1.6	29
35	Absorption Spectra of 4-Nitrophenolate Ions Measured <i>in Vacuo</i> and in Solution. <i>ChemPhysChem</i> , 2009, 10, 1207-1209.	2.1	29
36	PHOTO-STABILITY OF SUPER-HYDROGENATED PAHs DETERMINED BY ACTION SPECTROSCOPY EXPERIMENTS. <i>Astrophysical Journal</i> , 2016, 832, 24.	4.5	29

#	ARTICLE	IF	CITATIONS
37	Magic and hot giant fullerenes formed inside ion irradiated weakly bound C60 clusters. Journal of Chemical Physics, 2010, 133, 104301.	3.0	28
38	Ionization of C70 and C60 molecules by slow highly charged ions: A comparison. Physical Review A, 2004, 69, .	2.5	27
39	Heat capacities of freely evaporating charged water clusters. Journal of Chemical Physics, 2009, 130, 224308.	3.0	27
40	Formation dynamics of fullerene dimers $\langle \text{C} \rangle_{118}$ $\langle \text{C} \rangle_{119}$ and $\langle \text{C} \rangle_{120}$ Physical Review A, 2014, 89, .	2.5	27
41	Electron capture induced dissociation of nucleotide anions in water nanodroplets. Journal of Chemical Physics, 2008, 128, 075102.	3.0	26
42	Carboxyl-Catalyzed Prototropic Rearrangements in Histidine Peptide Radicals upon Electron Transfer: Effects of Peptide Sequence and Conformation. Journal of the American Chemical Society, 2009, 131, 16472-16487.	13.7	26
43	Threshold Energies for Single-Carbon Knockout from Polycyclic Aromatic Hydrocarbons. Journal of Physical Chemistry Letters, 2015, 6, 4504-4509.	4.6	26
44	PDRs4All: A JWST Early Release Science Program on Radiative Feedback from Massive Stars. Publications of the Astronomical Society of the Pacific, 2022, 134, 054301.	3.1	26
45	Recoil-ion momentum distributions for transfer ionization in fast proton-He collisions. Physical Review A, 2005, 72, .	2.5	25
46	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. Journal of the American Chemical Society, 2008, 130, 11856-11857.	13.7	24
47	Fragmentation of anthracene C <sub>14</sub> H <sub>10</sub> , acridine C <sub>13</sub> H <sub>9</sub> N and phenazine C <sub>12</sub> H <sub>8</sub> N <sub>2</sub> ions in collisions with atoms. Physical Chemistry Chemical Physics, 2014, 16, 21980-21987.	2.8	24
48	Low-energy ions interacting with anthracene molecules and clusters. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 140-143.	1.4	23
49	Spontaneous decay of small copper-cluster anions $\langle \text{Cu}_n \rangle$ on long time scales. Physical Review A, 2017, 95, .	1.4	23
50	On the charge partitioning between $\langle \text{C} \rangle$ and $\langle \text{Z} \rangle$ fragments formed after electron-capture induced dissociation of charge-tagged Lys-Lys and Ala-Lys dipeptide dications. Journal of the American Society for Mass Spectrometry, 2009, 20, 1881-1889.	2.8	22
51	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. Journal of Physical Chemistry A, 2009, 113, 9277-9285.	2.5	22
52	Ion-induced polycyclic aromatic hydrocarbon collisions: kinetic energy releases for specific fragmentation channels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 245201.	1.5	22
53	Roadmap on photonic, electronic and atomic collision physics: III. Heavy particles: with zero to relativistic speeds. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171003.	1.5	22
54	Polycyclic aromatic hydrocarbon-isomer fragmentation pathways: Case study for pyrene and fluoranthene molecules and clusters. Journal of Chemical Physics, 2011, 135, 064302.	3.0	21

#	ARTICLE	IF	CITATIONS
55	Ions colliding with clusters of fullerenes – Decay pathways and covalent bond formations. Journal of Chemical Physics, 2013, 139, 034309.	3.0	21
56	Unimolecular dissociation of anthracene and acridine cations: The importance of isomerization barriers for the C <sub>2</sub> H <sub>2</sub> loss and HCN loss channels. Journal of Chemical Physics, 2011, 135, 084304.	3.0	20
57	Activation energies for fragmentation channels of anthracene dications – experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 215201.	1.5	20
58	Neutralization of Charged Fullerenes during Grazing Scattering from a Metal Surface. Physical Review Letters, 2007, 99, 037601.	7.8	19
59	Isomer effects in fragmentation of Polycyclic Aromatic Hydrocarbons. International Journal of Mass Spectrometry, 2015, 392, 58-62.	1.5	19
60	Stabilization of electrons on Arq <sup>+</sup> ions after slow collisions with C <sub>60</sub> . Physical Review A, 2001, 63, .	2.5	18
61	Are single C <sub>60</sub> fullerenes dielectric or metallic?. Physical Chemistry Chemical Physics, 2012, 14, 16360.	2.8	18
62	Ions interacting with planar aromatic molecules: Modeling electron transfer reactions. Journal of Chemical Physics, 2013, 138, 054306.	3.0	18
63	Cryogenic ion-atom beam experiments in DESIREE: Final state-resolved mutual neutralization of Li <sup>+</sup> and D <sup>+</sup> . Physical Review A, 2020, 102, .	2.5	18
64	Radiative cooling of carbon cluster anions C <sub>2n+1</sub> <sup>-</sup> (n = 3–5). European Physical Journal D, 2020, 74, 1.	1.3	17
65	Unimolecular fragmentation and radiative cooling of isolated PAH ions: A quantitative study. Journal of Chemical Physics, 2020, 153, 154303.	3.0	17
66	Electron capture and loss by protonated peptides and proteins in collisions with C <sub>60</sub> <sup>+</sup> and Na. European Physical Journal D, 2003, 22, 75-79.	1.3	16
67	Theoretical study of the stability of multiply charged C <sub>70</sub> fullerenes. Journal of Chemical Physics, 2007, 127, 104308.	3.0	16
68	Photodissociation of protonated tryptophan and alteration of dissociation pathways by complexation with crown ether. Journal of Chemical Physics, 2008, 129, 184304.	3.0	16
69	Photodissociation of Isolated Ferric Heme and Heme-His Cations in an Electrostatic Ion Storage Ring. Journal of Physical Chemistry A, 2009, 113, 1440-1444.	2.5	16
70	A precedent of van-der-Waals interactions outmatching Coulomb explosion. Carbon, 2016, 109, 843-850.	10.3	16
71	Ultraslow radiative cooling of C <sub>n</sub> <sup>-</sup> (n = 3–5). Journal of Chemical Physics, 2019, 151, 114304.	3.0	16
72	Storage time dependent photodissociation action spectroscopy of polycyclic aromatic hydrocarbon cations in the cryogenic electrostatic storage ring DESIREE. Faraday Discussions, 2019, 217, 126-137.	3.2	16

#	ARTICLE	IF	CITATIONS
73	Double-Bond versus Triple-Bond Bridges: Does it Matter for the Charge-Transfer Absorption by Donor-Acceptor Chromophores?. ChemPhysChem, 2010, 11, 2495-2498.	2.1	15
74	Ions colliding with mixed clusters of $C_{60}$ and coronene: Fragmentation and bond formation. Physical Review A, 2014, 90, .	2.5	15
75	Dimethylsilanone Generation from Pyrolysis of Polysiloxanes Filled with Nanosized Silica and Ceria/Silica. ChemPlusChem, 2016, 81, 1003-1013.	2.8	15
76	Radiative lifetimes of the bound excited states of $Pt^{2+}$ . Physical Review A, 2016, 94, .	2.5	15
77	Hydrogenated pyrene: Statistical single-carbon loss below the knockout threshold. European Physical Journal D, 2016, 70, 1.	1.3	15
78	Survival of polycyclic aromatic hydrocarbon knockout fragments in the interstellar medium. Nature Communications, 2021, 12, 6646.	12.8	15
79	Density functional theory study of multiply ionized weakly bound fullerene dimers. Journal of Chemical Physics, 2009, 130, 224302.	3.0	14
80	Electrostatic model calculations of fission barriers for fullerene ions. European Physical Journal D, 2004, 29, 63-68.	1.3	13
81	Release distributions and barrier heights for $C_2$ emission from multiply charged $C_n$ ions. Physical Review A, 2018, 98, .	2.5	13
82	Photodissociation of protonated tryptamine and its supramolecular complex with 18-crown-6 ether: Dissociation times and channels, absorption spectra, and excited states calculations. Chemical Physics Letters, 2009, 480, 57-61.	2.6	13
83	Decays of excited silver-cluster anions $Ag_n^-$ . Physical Review A, 2018, 98, .	2.5	13
84	Final-state-resolved mutual neutralization of $Na^+D^-$ and $Na^+D^-$ collisions: Implications of Experimental Results for Non-LTE Modeling of Stellar Spectra. Astrophysical Journal, 2021, 908, 245.	2.5	13
85	Near-infrared photoabsorption by $C_{60}$ dianions in a storage ring. Journal of Chemical Physics, 2009, 131, 014301.	3.0	12
86	The structure of coronene cluster ions inferred from $H_2$ uptake in the gas phase. Physical Chemistry Chemical Physics, 2017, 19, 27968-27973.	2.8	12
87	Electron capture-induced dissociation of AK dipeptide dications: Influence of ion velocity, crown-ether complexation and collision gas. International Journal of Mass Spectrometry, 2008, 276, 77-81.	1.5	11
88	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. International Journal of Mass Spectrometry, 2009, 282, 21-27.	1.5	11
89	Stability of multiply charged fullerene anions and cations. Physical Review A, 2009, 80, .	2.5	11
90	Mutual Neutralization in $Li^+ + H^- / D^-$ and $Na^+ + H^- / D^-$ Collisions: Implications of Experimental Results for Non-LTE Modeling of Stellar Spectra. Astrophysical Journal, 2021, 908, 245.	4.5	11

#	ARTICLE	IF	CITATIONS
91	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.	4.6	11
92	Ion-induced molecular growth in clusters of small hydrocarbon chains. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19665-19672.	2.8	10
93	Spontaneous Electron Emission from Hot Silver Dimer Anions: Breakdown of the Born-Oppenheimer Approximation. <i>Physical Review Letters</i> , 2020, 124, 173001.	7.8	10
94	Electron-Capture-Induced Dissociation of Microsolvated Di- and Tripeptide Monocations: Elucidation of Fragmentation Channels from Measurements of Negative Ions. <i>ChemPhysChem</i> , 2009, 10, 1619-1623.	2.1	9
95	Resonant electron capture by $C_{60}$ at a metal surface with projected band gap. <i>Physical Review B</i> , 2010, 81, .	10.3	9
96	Shock-driven formation of covalently bound carbon nanoparticles from ion collisions with clusters of C <sub>60</sub> fullerenes. <i>Carbon</i> , 2018, 129, 766-774.	3.0	8
97	Electron capture induced dissociation of doubly protonated pentapeptides: Dependence on molecular structure and charge separation. <i>Journal of Chemical Physics</i> , 2011, 134, 035102.	2.8	8
98	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> , 2012, 14, 16770.	2.8	8
99	Stable, Resonant, Mutual Neutralization of $C_{60}^{2+}$ and $C_{60}^{2-}$ Ions. <i>Physical Review A</i> , 2014, 90.	2.8	8
100	Ion collision-induced chemistry in pure and mixed loosely bound clusters of coronene and C <sub>60</sub> molecules. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15052-15060.	1.3	7
101	DESIREE electro spray ion source test bench and setup for collision induced dissociation experiments. <i>Review of Scientific Instruments</i> , 2018, 89, 075102.	4.5	7
102	Competitive Dehydrogenation and Backbone Fragmentation of Superhydrogenated PAHs: A Laboratory Study. <i>Astrophysical Journal</i> , 2021, 913, 46.	7.8	7
103	Energy releases in the fission of multiply charged C <sub>60</sub> ions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2003, 205, 643-650.	1.4	6
104	Transfer ionization in p+He collisions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 233, 43-47.	0.4	6
105	DESIREE: a unique cryogenic electrostatic storage ring for merged ion-beams studies. <i>Journal of Physics: Conference Series</i> , 2011, 300, 012011.	1.5	6
106	High-energy collisions of protonated enantiopure amino acids with a chiral target gas. <i>International Journal of Mass Spectrometry</i> , 2015, 388, 59-64.	2.5	6
107	Experimental and theoretical studies of excited states in $C_{60}^{2+}$ ions. <i>Physical Review A</i> , 2021, 103, .		

#	ARTICLE	IF	CITATIONS
109	Statistical vibrational autodetachment and radiative cooling rates of <i>para</i> -benzoquinone. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12002-12010.	2.8	6
110	Fragmentation of charged fullerene dimers: Kinetic energy release. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 235, 419-424.	1.4	5
111	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.	1.3	5
112	Fullerene collisions and clusters of fullerenes. <i>International Journal of Mass Spectrometry</i> , 2006, 252, 117-125.	1.5	5
113	Interaction and charge transfer between dielectric spheres: Exact and approximate analytical solutions. <i>Journal of Chemical Physics</i> , 2016, 145, 194307.	3.0	5
114	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> , 2018, 139, 906-912.	10.3	5
115	Mutual neutralisation of O <sup>+</sup> with O <sup>+</sup> : investigation of the role of metastable ions in a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24607-24616.	2.8	5
116	Fragmentation and ionization of C <sub>70</sub> and C <sub>60</sub> by slow ions of intermediate charge. <i>European Physical Journal D</i> , 2006, 38, 299-306.	1.3	4
117	Ionization and fragmentation of cold clusters of PAH molecules – collisions with keV ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 012051.	0.4	4
118	Effects of Charge Location on the Absorptions and Lifetimes of Protonated Tyrosine Peptides in Vacuo. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1701-1709.	2.5	4
119	Dianion diagnostics in DESIREE: High-sensitivity detection of C <sub>2</sub> <sup>2-</sup> from a sputter ion source. <i>Review of Scientific Instruments</i> , 2018, 89, 033112.	1.3	4
120	Electron and ion spectroscopy of the cyclo-alanine–alanine dipeptide. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5855-5867.	2.8	4
121	Radiative cooling rates of substituted PAH ions. <i>Journal of Chemical Physics</i> , 2022, 157, .	3.0	4
122	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.	2.5	3
123	Ionization and fragmentation of cold clusters of PAH molecules: collisions with keV ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 102060.	0.4	3
124	DESIREE: Physics with cold stored ion beams. <i>EPJ Web of Conferences</i> , 2015, 84, 01004.	0.3	3
125	Ion-Induced Reactivity in Pyrene Clusters. <i>Journal of Physics: Conference Series</i> , 2015, 583, 012011.	0.4	3
126	Open questions on the interaction dynamics of molecules and clusters in the gas phase. <i>Communications Chemistry</i> , 2022, 5, .	4.5	3



#	ARTICLE	IF	CITATIONS
127	COLLISION INDUCED FRAGMENTATION OF FULLERENE CLUSTERS (C <sub>60</sub> ) <sub>n</sub> . International Journal of Modern Physics B, 2005, 19, 2345-2352.	2.0	2
128	Multiple ionization and fragmentation of fullerene dimers by highly charged ion impact. Journal of Physics: Conference Series, 2007, 88, 012039.	0.4	2
129	Fragmentation of isolated and nanosolvated biomolecular systems. , 2008, , .		2
130	Collisions with biomolecules embedded in small water clusters. Journal of Physics: Conference Series, 2009, 194, 012053.	0.4	2
131	Commissioning of the DESIREE storage rings – a new facility for cold ion-ion collisions. Journal of Physics: Conference Series, 2014, 488, 012040.	0.4	2
132	Knockout driven fragmentation of porphyrins. Physical Chemistry Chemical Physics, 2017, 19, 19750-19755.	2.8	2
133	Experimental lifetime of the a <sup>1</sup> π electronically excited state of CH <sup>+</sup> . Physical Review Research, 2022, 4, .	3.6	2
134	Transfer Ionization in MeV p-He Collisions Studied by Pulsed Recoil-Ion-Momentum Spectroscopy in a Storage Ring/Gas Target Experiment. AIP Conference Proceedings, 2003, , .	0.4	1
135	Ions colliding with polycyclic aromatic hydrocarbon clusters. Physica Scripta, 2013, T156, 014062.	2.5	1
136	The Stability of Cosmic Fullerenes and Fullerenic Aggregates. Proceedings of the International Astronomical Union, 2013, 9, 339-343.	0.0	1
137	First results from the Double ElectroStatic Ion-Ring Experiment, DESIREE. Journal of Physics: Conference Series, 2014, 488, 092003.	0.4	1
138	Molecular dynamics studies of impulse driven reactions in molecules and molecular clusters. Journal of Physics: Conference Series, 2015, 635, 032043.	0.4	1
139	H <sub>2</sub> formation from Polycyclic Aromatic Hydrocarbon molecules. Journal of Physics: Conference Series, 2015, 635, 032081.	0.4	1
140	A summary of results obtained with the cryogenic electrostatic storage ring DESIREE. Canadian Journal of Physics, 2017, 95, 817-820.	1.1	1
141	Interactions of energetic ions with fullerenes, PAHs, and their weakly bound clusters. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 9-15.	1.4	1
142	Rotationally cold (> 99% J = 0) OH <sup>+</sup> molecular ions in a cryogenic storage ring. Journal of Physics: Conference Series, 2017, 875, 012016.	0.4	1
143	Lifetimes of bound excited states of Pt <sup>+</sup> . Journal of Physics: Conference Series, 2017, 875, 022051.	0.4	1
144	Negative ion relaxation and reactions in a cryogenic storage ring. Journal of Physics: Conference Series, 2020, 1412, 062006.	0.4	1

#	ARTICLE	IF	CITATIONS
145	CLUSTERS AND CLUSTERS OF CLUSTERS IN COLLISIONS. , 2006, , .		1
146	Kinetic energy releases of exploding C60 ions produced by slow highly charged ions. AIP Conference Proceedings, 2003, , .	0.4	0
147	Inside Cover: Absorption Spectra of 4-Nitrophenolate Ions Measured in Vacuo and in Solution (ChemPhysChem 8/2009). ChemPhysChem, 2009, 10, 1150-1150.	2.1	0
148	Electron capture induced dissociation of water embedded nucleotide anions. Journal of Physics: Conference Series, 2009, 194, 102023.	0.4	0
149	Kinetic energy release distributions for C <sup>2+</sup> emission from multiply charged C <sub>60</sub> and C <sub>70</sub> fullerenes. Journal of Physics: Conference Series, 2009, 163, 012088.	0.4	0
150	Density functional theory study of neutral, singly, and multiply charged Polycyclic Aromatic Hydrocarbon molecules. Journal of Physics: Conference Series, 2012, 388, 102023.	0.4	0
151	Interaction of multiply charged ions with isolated polycyclic aromatic hydrocarbon molecules. Journal of Physics: Conference Series, 2012, 388, 102049.	0.4	0
152	Molecular isomer effects in ionization and fragmentation of PAH monomers and clusters: pyrene and fluoranthene. Journal of Physics: Conference Series, 2012, 388, 102061.	0.4	0
153	The Double Electrostatic Ion-Ring Experiment, DESIREE. Journal of Physics: Conference Series, 2012, 388, 142022.	0.4	0
154	Fragmentation dynamics of complex molecules and their clusters. , 2013, , .		0
155	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" Physical Chemistry Chemical Physics, 2014, 16, 14969-14970.	2.8	0
156	Modeling electron and energy transfer processes in collisions between ions and Polycyclic Aromatic Hydrocarbon molecules. Journal of Physics: Conference Series, 2014, 488, 102015.	0.4	0
157	Bond formation in C <sup>+59</sup> C <sub>60</sub> collisions. Journal of Physics: Conference Series, 2014, 488, 012028.	0.4	0
158	Fragmentation studies of Hydrogenated-Pyrene Polycyclic Aromatic Hydrocarbons in collisions with He. Journal of Physics: Conference Series, 2015, 635, 022020.	0.4	0
159	Ions interacting with complex molecular systems: The effect of a surrounding environment. Journal of Physics: Conference Series, 2015, 629, 012003.	0.4	0
160	Radiative cooling of hot C <sub>n</sub> <sup>+</sup> and C <sub>n</sub> H <sup>+</sup> molecules. Journal of Physics: Conference Series, 2015, 635, 112124.	0.4	0
161	Improving detection efficiency in a cryogenic environment - implications for DESIREE. Journal of Physics: Conference Series, 2015, 635, 022039.	0.4	0
162	Collision Induced Dissociation of PAHs and Biomolecules. Journal of Physics: Conference Series, 2015, 635, 022045.	0.4	0

#	ARTICLE	IF	CITATIONS
163	Measuring lifetimes of Polycyclic Aromatic Hydrocarbon fragments. Journal of Physics: Conference Series, 2015, 635, 032067.	0.4	0
164	Fusion reaction dynamics of fullerene molecules. Journal of Physics: Conference Series, 2015, 635, 032093.	0.4	0
165	Interactions of amino acid enantiomers with chiral target in high and low energy collisions. Journal of Physics: Conference Series, 2015, 635, 032053.	0.4	0
166	Decay pathways for protonated and deprotonated adenine molecules. Journal of Chemical Physics, 2019, 151, 044306.	3.0	0
167	Photodetachment Studies of Ir <sup>+</sup> Ions at DESIREE. Journal of Physics: Conference Series, 2020, 1412, 132022.	0.4	0
168	On the mechanisms of formation and decomposition of peptide bonds. Journal of Physics: Conference Series, 2020, 1412, 212007.	0.4	0
169	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.	0.4	0
170	Non-statistical fragmentation of C60 and the formation of endohedral defect fullerenes. Journal of Physics: Conference Series, 2020, 1412, 202032.	0.4	0
171	Spontaneous decay of small carbon cluster dianions C <sub>n</sub> <sup>2-</sup> (n=7-11). Journal of Physics: Conference Series, 2020, 1412, 232014.	0.4	0
172	STABILITY AND FRAGMENTATION OF HIGHLY CHARGED FULLERENE CLUSTERS. , 2004, , 301-311.		0
173	LIFETIMES OF C <sub>60</sub> <sup>2-</sup> AND C <sub>70</sub> <sup>2-</sup> DIANIONS IN A STORAGE RING. , 2006, , .		0
174	Final state resolved mutual neutralization of Li <sup>+</sup> and D <sup>+</sup> . Journal of Physics: Conference Series, 2020, 1412, 232008.	0.4	0
175	Vibrational autodetachment from hot copper dimer anions: breakdown of the Born-Oppenheimer approximation. Journal of Physics: Conference Series, 2020, 1412, 232012.	0.4	0