

Henning Zettergren

List of Publications by Year in descending order

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175
papers

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177
all docs

177
docs citations

177
times ranked

1617
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutual Neutralization of Mg^+ and D^+ Ions. Physical Review Research, 2022, 4, .	7.8	7
2	Experimental lifetime of the $a1^+$ electronically excited state of CH^+ . Physical Review Research, 2022, 4, .	3.6	2
3	Electron and ion spectroscopy of the cyclo-alanine-alanine dipeptide. Physical Chemistry Chemical Physics, 2022, 24, 5855-5867.	2.8	4
4	Open questions on the interaction dynamics of molecules and clusters in the gas phase. Communications Chemistry, 2022, 5, .	4.5	3
5	Statistical vibrational autodetachment and radiative cooling rates of <i>para</i> -benzoquinone. Physical Chemistry Chemical Physics, 2022, 24, 12002-12010.	2.8	6
6	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
7	Radiative cooling rates of substituted PAH ions. Journal of Chemical Physics, 2022, 157, .	3.0	4
8	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
9	Final-state-resolved mutual neutralization of Na^+ and D^+ ions. Physical Review A, 2021, 103, .	2.5	13
10	Roadmap on dynamics of molecules and clusters in the gas phase. European Physical Journal D, 2021, 75, 1.	1.3	32
11	Competitive Dehydrogenation and Backbone Fragmentation of Superhydrogenated PAHs: A Laboratory Study. Astrophysical Journal, 2021, 913, 46.	4.5	7
12	Experimental and theoretical studies of excited states in Ir^+ ions. Physical Review A, 2021, 103, .	2.5	13
13	Smart Decomposition of Cyclic Alanine-Alanine Dipeptide by VUV Radiation: A Seed for the Synthesis of Biologically Relevant Species. Journal of Physical Chemistry Letters, 2021, 12, 7379-7386.	4.6	11
14	Mutual neutralisation of O^+ with O^+ : investigation of the role of metastable ions in a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2021, 23, 24607-24616.	2.8	5
15	Survival of polycyclic aromatic hydrocarbon knockout fragments in the interstellar medium. Nature Communications, 2021, 12, 6646.	12.8	15
16	Radiative cooling of carbon cluster anions C_{2n+1}^- ($n=3-5$). European Physical Journal D, 2020, 74, 1.	1.3	17
17	Photodetachment Studies of Ir^+ Ions at DESIREE. Journal of Physics: Conference Series, 2020, 1412, 132022.	0.4	0
18	On the mechanisms of formation and decomposition of peptide bonds. Journal of Physics: Conference Series, 2020, 1412, 212007.	0.4	0

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19	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
20	Negative ion relaxation and reactions in a cryogenic storage ring. Journal of Physics: Conference Series, 2020, 1412, 062006.	0.4	1
21	Unimolecular fragmentation and radiative cooling of isolated PAH ions: A quantitative study. Journal of Chemical Physics, 2020, 153, 154303.	3.0	17
22	Cryogenic merged-ion-beam experiments in DESIREE: Final-state-resolved mutual neutralization of $\text{Li}^+ + \text{D}^-$ and $\text{Li}^+ + \text{D}^-$. Physical Review A, 2020, 102, .	2.5	18
23	Non-statistical fragmentation of C ₆₀ and the formation of endohedral defect fullerenes. Journal of Physics: Conference Series, 2020, 1412, 202032.	0.4	0
24	Spontaneous decay of small carbon cluster dianions C_n^{2-} (n=7-11). Journal of Physics: Conference Series, 2020, 1412, 232014.	0.4	0
25	Spontaneous Electron Emission from Hot Silver Dimer Anions: Breakdown of the Born-Oppenheimer Approximation. Physical Review Letters, 2020, 124, 173001.	7.8	10
26	Final state resolved mutual neutralization of $\text{Li}^+ + \text{D}^-$ and $\text{D}^+ + \text{Li}^-$. Journal of Physics: Conference Series, 2020, 1412, 232008.	0.4	0
27	Vibrational autodetachment from hot copper dimer anions: breakdown of the Born-Oppenheimer approximation. Journal of Physics: Conference Series, 2020, 1412, 232012.	0.4	0
28	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
29	Decay pathways for protonated and deprotonated adenine molecules. Journal of Chemical Physics, 2019, 151, 044306.	3.0	0
30	Ultraslow radiative cooling of C_n^+ ($n = 3-5$). Journal of Chemical Physics, 2019, 151, 114304.	3.0	16
31	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
32	Dianion diagnostics in DESIREE: High-sensitivity detection of C_n^{2-} from a sputter ion source. Review of Scientific Instruments, 2018, 89, 033112.	1.3	4
33	Shock-driven formation of covalently bound carbon nanoparticles from ion collisions with clusters of C ₆₀ fullerenes. Carbon, 2018, 129, 766-774.	10.3	9
34	Ion collision-induced chemistry in pure and mixed loosely bound clusters of coronene and C ₆₀ molecules. Physical Chemistry Chemical Physics, 2018, 20, 15052-15060.	2.8	8
35	Decays of excited silver-cluster anions Ag_n^- , $n = 1-7$, in the Double ElectroStatic Ion Ring Experiment. Physical Review A, 2018, 98, .	2.5	13
36	The threshold displacement energy of buckminsterfullerene C ₆₀ and formation of the endohedral defect fullerene He@C ₅₉ . Carbon, 2018, 139, 906-912.	10.3	5

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37	DESIREE electrospray ion source test bench and setup for collision induced dissociation experiments. Review of Scientific Instruments, 2018, 89, 075102.	1.3	7
38	A summary of results obtained with the cryogenic electrostatic storage ring DESIREE. Canadian Journal of Physics, 2017, 95, 817-820.	1.1	1
39	Ion-induced molecular growth in clusters of small hydrocarbon chains. Physical Chemistry Chemical Physics, 2017, 19, 19665-19672.	2.8	10
40	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
41	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
42	Spontaneous decay of small copper-cluster anions Cu_n^- on long time scales. Physical Review A, 2017, 95, .	1.5	1
43	Knockout driven fragmentation of porphyrins. Physical Chemistry Chemical Physics, 2017, 19, 19750-19755.	2.8	2
44	Rotationally Cold OH^+ molecular ions in the Cryogenic Electrostatic Ion-Beam Storage Ring DESIREE. Physical Review Letters, 2017, 119, 073001.	7.8	41
45	Rotationally cold ($> 99\% J = 0$) OH^+ molecular ions in a cryogenic storage ring. Journal of Physics: Conference Series, 2017, 875, 012016.	0.4	1
46	Lifetimes of bound excited states of Pt^+ . Journal of Physics: Conference Series, 2017, 875, 022051.	0.4	1
47	Dimethylsilanone Generation from Pyrolysis of Polysiloxanes Filled with Nanosized Silica and Ceria/Silica. ChemPlusChem, 2016, 81, 1003-1013.	2.8	15
48	Interaction and charge transfer between dielectric spheres: Exact and approximate analytical solutions. Journal of Chemical Physics, 2016, 145, 194307.	3.0	5
49	A precedent of van-der-Waals interactions outmatching Coulomb explosion. Carbon, 2016, 109, 843-850.	10.3	16
50	Knockout driven reactions in complex molecules and their clusters. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 162001.	1.5	52
51	PHOTO-STABILITY OF SUPER-HYDROGENATED PAHs DETERMINED BY ACTION SPECTROSCOPY EXPERIMENTS. Astrophysical Journal, 2016, 832, 24.	4.5	29
52	Radiative lifetimes of the bound excited states of Pt^+ . Physical Review A, 2016, 94, .	2.5	15
53	Hydrogenated pyrene: Statistical single-carbon loss below the knockout threshold. European Physical Journal D, 2016, 70, 1.	1.3	15
54	Failure of hydrogenation in protecting polycyclic aromatic hydrocarbons from fragmentation. Physical Review A, 2015, 92, .	2.5	40

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55	Fragmentation studies of Hydrogenated-Pyrene Polycyclic Aromatic Hydrocarbons in collisions with He. Journal of Physics: Conference Series, 2015, 635, 022020.	0.4	0
56	Threshold Energies for Single-Carbon Knockout from Polycyclic Aromatic Hydrocarbons. Journal of Physical Chemistry Letters, 2015, 6, 4504-4509.	4.6	26
57	DESIREE: Physics with cold stored ion beams. EPJ Web of Conferences, 2015, 84, 01004.	0.3	3
58	Ion-Induced Reactivity in Pyrene Clusters. Journal of Physics: Conference Series, 2015, 583, 012011.	0.4	3
59	Ions interacting with complex molecular systems: The effect of a surrounding environment. Journal of Physics: Conference Series, 2015, 629, 012003.	0.4	0
60	Radiative cooling of hot C _n ⁺ and C _n H ⁺ molecules. Journal of Physics: Conference Series, 2015, 635, 112124.	0.4	0
61	Molecular dynamics studies of impulse driven reactions in molecules and molecular clusters. Journal of Physics: Conference Series, 2015, 635, 032043.	0.4	1
62	Improving detection efficiency in a cryogenic environment - implications for DESIREE. Journal of Physics: Conference Series, 2015, 635, 022039.	0.4	0
63	Collision Induced Dissociation of PAHs and Biomolecules. Journal of Physics: Conference Series, 2015, 635, 022045.	0.4	0
64	Measuring lifetimes of Polycyclic Aromatic Hydrocarbon fragments. Journal of Physics: Conference Series, 2015, 635, 032067.	0.4	0
65	Fusion reaction dynamics of fullerene molecules. Journal of Physics: Conference Series, 2015, 635, 032093.	0.4	0
66	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
67	H ₂ formation from Polycyclic Aromatic Hydrocarbon molecules. Journal of Physics: Conference Series, 2015, 635, 032081.	0.4	1
68	Isomer effects in fragmentation of Polycyclic Aromatic Hydrocarbons. International Journal of Mass Spectrometry, 2015, 392, 58-62.	1.5	19
69	Molecular Growth Inside of Polycyclic Aromatic Hydrocarbon Clusters Induced by Ion Collisions. Journal of Physical Chemistry Letters, 2015, 6, 1536-1542.	4.6	62
70	Formation of H ₂ from internally heated polycyclic aromatic hydrocarbons: Excitation energy dependence. Journal of Chemical Physics, 2015, 142, 144305.	3.0	43
71	High-energy collisions of protonated enantiopure amino acids with a chiral target gas. International Journal of Mass Spectrometry, 2015, 388, 59-64.	1.5	6
72	Absolute fragmentation cross sections in atom-molecule collisions: Scaling laws for non-statistical fragmentation of polycyclic aromatic hydrocarbon molecules. Journal of Chemical Physics, 2014, 140, 224306.	3.0	35

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73	Comment on "Surface-charge distribution on a dielectric sphere due to an external point charge: examples of C ₆₀ and C ₂₄₀ fullerenes, Phys. Chem. Chem. Phys., 2013, 15, 20115" Physical Chemistry Chemical Physics, 2014, 16, 14969-14970.	2.8	0
74	Fragmentation of anthracene C ₁₄ H ₁₀ , acridine C ₁₃ H ₉ N and phenazine C ₁₂ H ₈ N ₂ ions in collisions with atoms. Physical Chemistry Chemical Physics, 2014, 16, 21980-21987.	2.8	24
75	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
76	Multiple electron capture, excitation, and fragmentation in C ²⁺ collisions with mixed clusters of ions colliding with mixed clusters of ions.	2.5	8
77	Fragmentation and bond formation. Physical Review A, 2014, 90, .	2.5	15
78	Non-statistical fragmentation of PAHs and fullerenes in collisions with atoms. International Journal of Mass Spectrometry, 2014, 365-366, 260-265.	1.5	34
79	Nonstatistical fragmentation of large molecules. Physical Review A, 2014, 89, .	2.5	57
80	Formation dynamics of fullerene dimers C ₁₁₈ and C ₁₁₉ .	2.5	27
81	Physical Review A, 2014, 89, . First results from the Double ElectroStatic Ion-Ring Experiment, DESIREE. Journal of Physics: Conference Series, 2014, 488, 092003.	0.4	1
82	Bond formation in C ⁺ C ₆₀ collisions. Journal of Physics: Conference Series, 2014, 488, 012028.	0.4	0
83	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
84	Ions colliding with polycyclic aromatic hydrocarbon clusters. Physica Scripta, 2013, T156, 014062.	2.5	1
85	Ions interacting with planar aromatic molecules: Modeling electron transfer reactions. Journal of Chemical Physics, 2013, 138, 054306.	3.0	18
86	First storage of ion beams in the Double Electrostatic Ion-Ring Experiment: DESIREE. Review of Scientific Instruments, 2013, 84, 055115.	1.3	116
87	Fragmentation dynamics of complex molecules and their clusters. , 2013, , .		0
88	Ion " 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
89	Ions colliding with clusters of fullerenes " Decay pathways and covalent bond formations. Journal of Chemical Physics, 2013, 139, 034309.	3.0	21
90	Formations of Dumbbell C ₁₁₈ and C ₁₁₉ inside Clusters of C ₁₁₈ and C ₁₁₉ .	7.8	61

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91	The Stability of Cosmic Fullerenes and Fullerenic Aggregates. Proceedings of the International Astronomical Union, 2013, 9, 339-343.	0.0	1
92	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
93	Ionization and fragmentation of cold clusters of PAH molecules – collisions with keV ions. Journal of Physics: Conference Series, 2012, 388, 012051.	0.4	4
94	Interaction of multiply charged ions with isolated polycyclic aromatic hydrocarbon molecules. Journal of Physics: Conference Series, 2012, 388, 102049.	0.4	0
95	Ionization and fragmentation of cold clusters of PAH molecules: collisions with keV ions. Journal of Physics: Conference Series, 2012, 388, 102060.	0.4	3
96	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
97	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. Physical Chemistry Chemical Physics, 2012, 14, 16770.	2.8	8
98	Effects of Charge Location on the Absorptions and Lifetimes of Protonated Tyrosine Peptides in Vacuo. Journal of Physical Chemistry A, 2012, 116, 1701-1709.	2.5	4
99	The Double ElectroStatic Ion-Ring Experiment, DESIREE. Journal of Physics: Conference Series, 2012, 388, 142022.	0.4	0
100	Are single C60 fullerenes dielectric or metallic?. Physical Chemistry Chemical Physics, 2012, 14, 16360.	2.8	18
101	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
102	Structures, Energetics, and Dynamics of Helium Adsorbed on Isolated Fullerene Ions. Physical Review Letters, 2012, 108, 076101.	7.8	68
103	Low-energy ions interacting with anthracene molecules and clusters. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 140-143.	1.4	23
104	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
105	Dissociation and multiple ionization energies for five polycyclic aromatic hydrocarbon molecules. Journal of Chemical Physics, 2011, 134, 044301.	3.0	84
106	DESIREE: a unique cryogenic electrostatic storage ring for merged ion-beams studies. Journal of Physics: Conference Series, 2011, 300, 012011.	0.4	6
107	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
108	Ionization and fragmentation of polycyclic aromatic hydrocarbon clusters in collisions with keV ions. Physical Review A, 2011, 84, .	2.5	38

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109	Multiple ionization and fragmentation of isolated pyrene and coronene molecules in collision with ions. <i>Physical Review A</i> , 2011, 83, .	2.5	66
110	Electron capture induced dissociation of doubly protonated pentapeptides: Dependence on molecular structure and charge separation. <i>Journal of Chemical Physics</i> , 2011, 134, 035102.	3.0	8
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.	3.0	20
112	Double- π -Bond versus Triple- π -Bond Bridges: Does it Matter for the Charge-Transfer Absorption by Donor-Acceptor Chromophores?. <i>ChemPhysChem</i> , 2010, 11, 2495-2498.	2.1	15
113	Resonant electron capture by C_{60} at a metal surface with projected band gap. <i>Physical Review B</i> , 2010, 81, .	12.2	9
114	Magic and hot giant fullerenes formed inside ion irradiated weakly bound C ₆₀ clusters. <i>Journal of Chemical Physics</i> , 2010, 133, 104301.	3.0	28
115	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, 10728-10740.	13.7	55
116	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
117	Ions Colliding with Cold Polycyclic Aromatic Hydrocarbon Clusters. <i>Physical Review Letters</i> , 2010, 105, 213401.	7.8	72
118	Density functional theory study of multiply ionized weakly bound fullerene dimers. <i>Journal of Chemical Physics</i> , 2009, 130, 224302.	3.0	14
119	Near-infrared photoabsorption by C ₆₀ dianions in a storage ring. <i>Journal of Chemical Physics</i> , 2009, 131, 014301.	3.0	12
120	Heat capacities of freely evaporating charged water clusters. <i>Journal of Chemical Physics</i> , 2009, 130, 224308.	3.0	27
121	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
122	Absorption Spectra of 4-Nitrophenolate Ions Measured <i>in Vacuo</i> and in Solution. <i>ChemPhysChem</i> , 2009, 10, 1207-1209.	2.1	29
123	Inside Cover: Absorption Spectra of 4-Nitrophenolate Ions Measured <i>in Vacuo</i> and in Solution (<i>ChemPhysChem</i> 8/2009). <i>ChemPhysChem</i> , 2009, 10, 1150-1150.	2.1	0
124	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.	2.6	13
125	On the charge partitioning between <i>c</i> and <i>z</i> 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, 1881-1889.	2.8	22
126	Influence of temperature and crown ether complex formation on the charge partitioning between <i>z</i> and <i>c</i> fragments formed after electron capture by small peptide dications. <i>International Journal of Mass Spectrometry</i> , 2009, 282, 21-27.	1.5	11

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127	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
128	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
129	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
130	Stability of multiply charged fullerene anions and cations. Physical Review A, 2009, 80, .	2.5	11
131	Collisions with biomolecules embedded in small water clusters. Journal of Physics: Conference Series, 2009, 194, 012053.	0.4	2
132	Electron capture induced dissociation of water embedded nucleotide anions. Journal of Physics: Conference Series, 2009, 194, 102023.	0.4	0
133	Kinetic energy release distributions for C ²⁺ emission from multiply charged C ₆₀ and C ₇₀ fullerenes. Journal of Physics: Conference Series, 2009, 163, 012088.	0.4	0
134	Stable Non- π - π C ₆₀ and C ₇₀ Fullerenes Containing a Uniform Distribution of Pyrenes and Adjacent Pentagons. ChemPhysChem, 2008, 9, 861-866.	2.1	39
135	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
136	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
137	Photodissociation of protonated tryptophan and alteration of dissociation pathways by complexation with crown ether. Journal of Chemical Physics, 2008, 129, 184304.	3.0	16
138	Fragmentation of isolated and nanosolvated biomolecular systems. , 2008, , . Kinetic energy release distributions and barrier heights for		2
139	C ²⁺ emission from multiply charged	2.5	13
140	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
141	DESIREE as a new tool for interstellar ion chemistry. International Journal of Astrobiology, 2008, 7, 205-208.	1.6	29
142	Electron capture induced dissociation of nucleotide anions in water nanodroplets. Journal of Chemical Physics, 2008, 128, 075102.	3.0	26
143	Theoretical study of the stability of multiply charged C ₇₀ fullerenes. Journal of Chemical Physics, 2007, 127, 104308.	3.0	16
144	First- and second-electron affinities of C ₆₀ and C ₇₀ isomers. Physical Review A, 2007, 76, .	2.5	30

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145	Multiple ionization and fragmentation of fullerene dimers by highly charged ion impact. Journal of Physics: Conference Series, 2007, 88, 012039.	0.4	2
146	Stabilities of multiply charged dimers and clusters of fullerenes. Journal of Chemical Physics, 2007, 126, 224303.	3.0	39
147	Neutralization of Charged Fullerenes during Grazing Scattering from a Metal Surface. Physical Review Letters, 2007, 99, 037601.	7.8	19
148	Even-odd effects in the ionization cross sections of $[C_{60}]_2$ and $[C_{60}C_{70}]$ dimers. Physical Review A, 2007, 75, .	2.5	36
149	Lifetimes of C_{60}^{2-} and C_{70}^{2-} dianions in a storage ring. Journal of Chemical Physics, 2006, 124, 024310.	3.0	47
150	Fullerene collisions and clusters of fullerenes. International Journal of Mass Spectrometry, 2006, 252, 117-125.	1.5	5
151	Fragmentation and ionization of C_{70} and C_{60} by slow ions of intermediate charge. European Physical Journal D, 2006, 38, 299-306.	1.3	4
152	Experimental separation of the Thomas charge-transfer process in high-velocity He collisions. Physical Review A, 2006, 73, .	2.5	33
153	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
154	CLUSTERS AND CLUSTERS OF CLUSTERS IN COLLISIONS. , 2006, , .		1
155	LIFETIMES OF C_{60}^{2-} AND C_{70}^{2-} DIANIONS IN A STORAGE RING. , 2006, , .		0
156	Transfer ionization in $p+He$ collisions. Nuclear Instruments & Methods in Physics Research B, 2005, 233, 43-47.	1.4	6
157	Fragmentation of charged fullerene dimers: Kinetic energy release. Nuclear Instruments & Methods in Physics Research B, 2005, 235, 419-424.	1.4	5
158	Ion beams of carbon clusters and multiply charged fullerenes produced with electron cyclotron resonance ion sources. Review of Scientific Instruments, 2005, 76, 053304.	1.3	5
159	Two-center interference in fast proton H_2 -electron transfer and excitation processes. Physical Review A, 2005, 72, .	2.5	31
160	Recoil-ion momentum distributions for transfer ionization in fast proton-He collisions. Physical Review A, 2005, 72, .	2.5	25
161	COLLISION INDUCED FRAGMENTATION OF FULLERENE CLUSTERS $(C_{60})_n$. International Journal of Modern Physics B, 2005, 19, 2345-2352.	2.0	2
162	Electrostatic model calculations of fission barriers for fullerene ions. European Physical Journal D, 2004, 29, 63-68.	1.3	13

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163	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.	2.8	53
164	Ionization of C ₇₀ and C ₆₀ molecules by slow highly charged ions: A comparison. <i>Physical Review A</i> , 2004, 69, .	2.5	27
165	STABILITY AND FRAGMENTATION OF HIGHLY CHARGED FULLERENE CLUSTERS. , 2004, , 301-311.		0
166	Electron capture and loss by protonated peptides and proteins in collisions with C_{60}^{+} and Na. <i>European Physical Journal D</i> , 2003, 22, 75-79.	1.3	16
167	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	52
168	Energy releases in the fission of multiply charged C ₆₀ ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 205, 643-650.	1.4	6
169	Highly Charged Clusters of Fullerenes: Charge Mobility and Appearance Sizes. <i>Physical Review Letters</i> , 2003, 91, 215504.	7.8	60
170	Barriers for asymmetric fission of multiply charged C ₆₀ fullerenes. <i>Physical Review A</i> , 2003, 67, .	2.5	35
171	Kinetic energy releases of exploding C ₆₀ ions produced by slow highly charged ions. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	0
172	Transfer Ionization in MeV p-He Collisions Studied by Pulsed Recoil-Ion-Momentum Spectroscopy in a Storage Ring/Gas Target Experiment. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	1
173	Double-to-Single Target Ionization Ratio for Electron Capture in Fast p-He Collisions. <i>Physical Review Letters</i> , 2002, 89, 163201.	7.8	36
174	Static over-the-barrier model for electron transfer between metallic spherical objects. <i>Physical Review A</i> , 2002, 66, .	2.5	55
175	Stabilization of electrons on Ar ^{q+} ions after slow collisions with C ₆₀ . <i>Physical Review A</i> , 2001, 63, .	2.5	18