

# Ronnie Hoekstra

## List of Publications by Year in descending order

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283  
papers

5,436  
citations

71102

41  
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54  
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286  
all docs

286  
docs citations

286  
times ranked

2117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge Driven Fragmentation of Nucleobases. <i>Physical Review Letters</i> , 2003, 91, 053401.	7.8	121
2	Spectral analysis of the Chandracomet survey. <i>Astronomy and Astrophysics</i> , 2007, 469, 1183-1195.	5.1	85
3	Ion-Induced Biomolecular Radiation Damage: From Isolated Nucleobases to Nucleobase Clusters. <i>ChemPhysChem</i> , 2006, 7, 2339-2345.	2.1	82
4	Photodissociation of protonated leucine-enkephalin in the VUV range of 8–40 eV. <i>Journal of Chemical Physics</i> , 2011, 134, 024314.	3.0	77
5	Strong Velocity Effects in Collisions of He <sup>+</sup> with Fullerenes. <i>Physical Review Letters</i> , 1999, 82, 73-76.	7.8	73
6	Plasma Propulsion of a Metallic Microdroplet and its Deformation upon Laser Impact. <i>Physical Review Applied</i> , 2016, 6, .	3.8	72
7	Sputtering of silicon by multiply charged ions. <i>Surface Science</i> , 1986, 177, L939-L946.	1.9	69
8	Neutral beam stopping and emission in fusion plasmas I: deuterium beams. <i>Plasma Physics and Controlled Fusion</i> , 2000, 42, 781-806.	2.1	69
9	Prominent radiative contributions from multiply-excited states in laser-produced tin plasma for nanolithography. <i>Nature Communications</i> , 2020, 11, 2334.	12.8	68
10	Cq <sup>+</sup> -induced excitation and fragmentation of uracil: effects of the projectile electronic structure. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 4373-4381.	1.5	67
11	Do Hollow Atoms Exist in Front of an Insulating LiF(100) Surface?. <i>Physical Review Letters</i> , 1995, 75, 217-219.	7.8	66
12	State-selective electron capture in collisions of He <sup>2+</sup> with H. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1991, 24, 4025-4048.	1.5	65
13	The 1983 atomic mass evaluation. <i>Nuclear Physics A</i> , 1985, 432, 185-362.	1.5	64
14	State-selective charge transfer in slow collisions of C <sup>4+</sup> with H and H <sub>2</sub> . <i>Physical Review A</i> , 1990, 41, 4800-4808.	2.5	64
15	Quantification of ion-induced molecular fragmentation of isolated 2-deoxy-d-ribose molecules. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1922-1928.	2.8	64
16	Dynamic properties of ion guiding through nanocapillaries in an insulating polymer. <i>Physical Review A</i> , 2009, 79, .	2.5	64
17	Inner- and outer-shell electron dynamics in proton collisions with sodium atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 2353-2369.	1.5	61
18	IONIZATION AND FRAGMENTATION OF ANTHRACENE UPON INTERACTION WITH keV PROTONS AND $\hat{\pm}$ PARTICLES. <i>Astrophysical Journal</i> , 2010, 708, 435-444.	4.5	61

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19	DATABASE FOR INELASTIC COLLISIONS OF LITHIUM ATOMS WITH ELECTRONS, PROTONS, AND MULTIPLY CHARGED IONS. <i>Atomic Data and Nuclear Data Tables</i> , 1999, 72, 239-273.	2.4	56
20	Recoil Momentum Spectroscopy of Highly Charged Ion Collisions on Magneto-Optically Trapped Na. <i>Physical Review Letters</i> , 2001, 87, 123202.	7.8	53
21	Dissociation of water molecules upon keV H <sup>+</sup> - and Heq <sup>+</sup> -induced ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 4085-4094.	1.5	52
22	An empirical analysis of alleged misunderstandings of coefficient alpha. <i>International Journal of Social Research Methodology: Theory and Practice</i> , 2019, 22, 351-364.	4.4	52
23	Charge Exchange Emission from Solar Wind Helium Ions. <i>Astrophysical Journal</i> , 2006, 642, 593-605.	4.5	50
24	Comment on "Evidence for correlated double-electron capture in low-energy collisions of O <sup>6+</sup> with He <sup>+</sup> ". <i>Physical Review Letters</i> , 1987, 58, 957-957.	7.8	49
25	Velocity and Charge State Dependences of Molecular Dissociation Induced by Slow Multicharged Ions. <i>Physical Review Letters</i> , 1996, 77, 3339-3342.	7.8	49
26	Evidence of blocking effects on 3-keV Ne ions guided through nanocapillaries in polycarbonate. <i>Physical Review A</i> , 2011, 83, .	2.5	47
27	Deexcitation Dynamics of Superhydrogenated Polycyclic Aromatic Hydrocarbon Cations after Soft-x-Ray Absorption. <i>Physical Review Letters</i> , 2014, 113, 053002.	7.8	47
28	Charge exchange from D(n= 2) atoms to low-Z-receiver ions. <i>Plasma Physics and Controlled Fusion</i> , 1998, 40, 1541-1550.	2.1	46
29	H <sub>2</sub> formation on PAHs in photodissociation regions: a high-temperature pathway to molecular hydrogen. <i>Astronomy and Astrophysics</i> , 2015, 579, A72.	5.1	46
30	The sequence to hydrogenate coronene cations: A journey guided by magic numbers. <i>Scientific Reports</i> , 2016, 6, 19835.	3.3	46
31	Charge driven fragmentation of biologically relevant molecules. <i>International Journal of Mass Spectrometry</i> , 2004, 233, 173-179.	1.5	45
32	Catching Some Sun: Probing the Solar Wind with Cometary X-Ray and Far-Ultraviolet Emission. <i>Astrophysical Journal</i> , 2004, 606, L81-L84.	4.5	45
33	Efficient Generation of Extreme Ultraviolet Light From Nd:YAG-Driven Microdroplet-Tin Plasma. <i>Physical Review Applied</i> , 2019, 12, .	3.8	45
34	Chandra Observations of Comet 2P/Encke 2003: First Detection of a Collisionally Thin, Fast Solar Wind Charge Exchange System. <i>Astrophysical Journal</i> , 2005, 635, 1329-1347.	4.5	44
35	Ion-Induced Fragmentation of Amino Acids: Effect of the Environment. <i>ChemPhysChem</i> , 2011, 12, 930-936.	2.1	44
36	Near-Edge X-ray Absorption Mass Spectrometry of a Gas-Phase Peptide. <i>Journal of Physical Chemistry A</i> , 2012, 116, 10745-10751.	2.5	44

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37	Collisions of with neutral : Charge transfer and fragmentation. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 1321-1331.	1.5	42
38	Multiple ionization and fragmentation of the DNA base thymine by interaction with C q+ ions. European Physical Journal D, 2003, 24, 161-164.	1.3	42
39	Interactions of neutral and singly charged keV atomic particles with gas-phase adenine molecules. Journal of Chemical Physics, 2007, 127, 034301.	3.0	42
40	Guided transmission of Ne7+ ions through nanocapillaries in insulating polymers: Scaling laws for projectile energies up to 50 keV. Physical Review A, 2009, 79, .	2.5	42
41	Line emission from C6+, O8+ + Li electron capture collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, 4241-4247.	1.5	41
42	Atomic structure calculations of KLL Auger spectra from highly charged ion solid-surface collisions. Physical Review A, 1994, 50, 540-552.	2.5	41
43	Fragmentation of L±- and L²-alanine molecules by ions at Bragg-peak energies. Journal of Chemical Physics, 2008, 128, 074306.	3.0	41
44	Analysis of the fine structure of $\text{Sn}^{40+}$ by optical spectroscopy in an electron-beam ion trap. Physical Review A, 2016, 94, .	2.5	41
45	Strong velocity dependence of electron capture in collisions between aligned $\text{Na}^*(3p)$ and $\text{He}^{2+}$ . Physical Review Letters, 1993, 71, 513-516.	7.8	40
46	Projectile atomic-number effect on ion-induced fragmentation and ionization of fullerenes. Physical Review A, 2001, 63, .	2.5	40
47	Peptide fragmentation by keV ion-induced dissociation. Physical Chemistry Chemical Physics, 2010, 12, 3376.	2.8	39
48	Velocity dependence of KLL Auger emission from hollow atoms formed during collisions of hydrogenic $\text{N}^{6+}$ ions on surfaces. Physical Review A, 1995, 51, 3873-3882.	2.5	38
49	Investigation of thermal and slowing-down alpha particles on JET using charge-exchange spectroscopy. Plasma Physics and Controlled Fusion, 1991, 33, 1805-1824.	2.1	37
50	Z Oscillations in Ion-Induced Fullerene Fragmentation. Physical Review Letters, 2000, 84, 4076-4079.	7.8	37
51	Optical spectroscopy of complex open-shell ions $\text{Sn}^{40+}$ . Physical Review A, 2017, 95, .	2.5	37
52	Power-law scaling of plasma pressure on laser-ablated tin microdroplets. Physics of Plasmas, 2018, 25, .	1.9	37
53	State selective electron capture into nl subshells in slow collisions of $\text{C}^{5+}$ and $\text{N}^{6+}$ with He and H2 studied by photon emission spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 1991, 24, 2543-2558.	1.5	36
54	State-selective electron-capture cross section measurements for low-energy collisions of He-like ions on H2. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 5275-5296.	1.5	36

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55	Ionâ€“biomolecule interactions and radiation damage. Nuclear Instruments & Methods in Physics Research B, 2005, 233, 62-69.	1.4	36
56	Guided transmission of 3-keV Ne <sup>7+</sup> ions through nanocapillaries in insulating polymers: Dependence on the capillary diameter. Physical Review A, 2010, 82, .	2.5	36
57	HYDROGENATION OF PAH CATIONS: A FIRST STEP TOWARD H <sub>2</sub> FORMATION. Astrophysical Journal Letters, 2012, 761, L33.	8.3	36
58	Coster-Kronig transitions in hollow atoms created during highly charged ion-surface interactions. Physical Review Letters, 1994, 73, 786-789.	7.8	35
59	Polarized light emission in keV He <sup>2+</sup> Na(3s) collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 3271-3282.	1.5	35
60	Low-energy electron capture by C <sup>4+</sup> ions from atomic hydrogen. Physical Review A, 1997, 56, 426-431.	2.5	35
61	Charge Localization in Collision-Induced Multiple Ionization of van der Waals Clusters with Highly Charged Ions. Physical Review Letters, 2002, 88, 143401.	7.8	35
62	Precise Determination of 2â€“Deoxyâ€“scp>D</scp>â€“Ribose Internal Energies after keV Proton Collisions. ChemPhysChem, 2008, 9, 1254-1258.	2.1	35
63	Electronic versus vibrational excitation in He <sup>q+</sup> collisions with fullerenes. International Journal of Mass Spectrometry, 1999, 192, 245-257.	1.5	34
64	Near edge X-ray absorption mass spectrometry of gas phase proteins: the influence of protein size. Physical Chemistry Chemical Physics, 2016, 18, 26213-26223.	2.8	34
65	Charge exchange and dissociative processes in collisions of slow He <sup>2+</sup> ions with H <sub>2</sub> O molecules. Physical Review A, 2005, 71, .	2.5	33
66	Fragmentation of protonated oligonucleotides by energetic photons and C <sup>q+</sup> ions. Physical Review A, 2013, 87, .	2.5	33
67	Extreme ultraviolet light from a tin plasma driven by a 2-Âµm-wavelength laser. Optics Express, 2021, 29, 4475.	3.4	32
68	Dissociation of CO induced by ions: I. Fragmentation and kinetic energy release spectra. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 5833-5847.	1.5	31
69	Low-Energy State-Selective Charge Transfer by Multiply Charged Ions. Physical Review Letters, 2001, 86, 616-619.	7.8	31
70	Hollow Atom Dynamics on LiF Covered Au(111): Role of the Surface Electronic Structure. Physical Review Letters, 1998, 81, 1219-1222.	7.8	30
71	Expansion Dynamics after Laser-Induced Cavitation in Liquid Tin Microdroplets. Physical Review Applied, 2018, 10, .	3.8	30
72	He <sup>2+</sup> -H <sub>2</sub> collisions: non-dissociative and dissociative one-electron capture. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 2021-2031.	1.5	29

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73	Strong Isotope Effects on the Charge Transfer in Slow Collisions of He <sup>2+</sup> with Atomic Hydrogen, Deuterium, and Tritium. <i>Physical Review Letters</i> , 2007, 99, 103201.	7.8	29
74	State Selective Electron Capture in Collisions of C <sup>6+</sup> and O <sup>8+</sup> on Atomic and Molecular Hydrogen Studied by Photon Emission Spectroscopy. <i>Physica Scripta</i> , 1989, T28, 81-90.	2.5	28
75	Anisotropy effects in electron capture by O <sup>6+</sup> from aligned Na*(3p). <i>Physical Review Letters</i> , 1994, 72, 1628-1631.	7.8	28
76	The interaction of hydrogenic ions with metal and semiconductor surfaces. <i>Surface Science</i> , 1994, 313, 355-364.	1.9	28
77	Ion-induced ionization and fragmentation of DNA building blocks. <i>Physica Scripta</i> , 2006, 73, C113-C117.	2.5	27
78	Short-wavelength out-of-band EUV emission from Sn laser-produced plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 045005.	1.5	27
79	State-selective electron-capture measurements for N <sup>4+</sup> -H and N <sup>4+</sup> -H <sub>2</sub> collisions. <i>Physical Review A</i> , 1998, 57, 221-226.	2.5	26
80	Kinetic energy releases of small amino acids upon interaction with keV ions. <i>European Physical Journal D</i> , 2009, 51, 81-87.	1.3	26
81	Ionization and Fragmentation Modes of Nucleobases after Collisions with Multiply Charged Ions. <i>Physica Scripta</i> , 2004, 110, 336.	2.5	25
82	Radiation transport and scaling of optical depth in Nd:YAG laser-produced microdroplet-tin plasma. <i>Applied Physics Letters</i> , 2019, 115, 124101.	3.3	25
83	Electron capture into He+(2p) in low-energy collisions of He <sup>2+</sup> with atomic and molecular hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989, 22, L603-L607.	1.5	24
84	Absolute visible light emission cross sections for electron capture from Li atoms by slow, highly charged ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1992, 25, 2597-2606.	1.5	24
85	Fast side-chain losses in keV ion-induced dissociation of protonated peptides. <i>International Journal of Mass Spectrometry</i> , 2011, 299, 64-70.	1.5	24
86	A MOLECULAR DYNAMICS STUDY ON SLOW ION INTERACTIONS WITH THE POLYCYCLIC AROMATIC HYDROCARBON MOLECULE ANTHRACENE. <i>Astrophysical Journal</i> , 2014, 783, 61.	4.5	24
87	EUV spectroscopy of highly charged $\text{Sn}^{27+}$ in an electron-beam ion trap. <i>Physical Review A</i> , 2020, 101, .		
88	Dissociation of CO induced by ions: II. Dissociation pathways and states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 5849-5860.	1.5	23
89	Soft X-ray Spectroscopy as a Probe for Gas Phase Protein Structure: Electron Impact Ionization from Within. <i>Chemistry - A European Journal</i> , 2018, 24, 7631-7636.	3.3	23
90	Present State of the Analysis of Nd i and Nd ii. <i>Journal of the Optical Society of America</i> , 1971, 61, 1335.	1.2	22

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91	Probing hollow atom states formed during impact of highly charged ions on surfaces: N <sub>6,7+</sub> and O <sub>7+</sub> on Al(110) and Si(100). Nuclear Instruments & Methods in Physics Research B, 1995, 98, 436-440.	1.4	22
92	Response of Polyatomic Molecules to Ultrastrong Laser- and Ion-Induced Fields. Physical Review Letters, 2005, 94, 233001.	7.8	22
93	Relationships between $O^{6+}$ and $O^{7+}$ and $H^{11+}$ and $H^{12+}$ ions. $O^{6+}$ and $O^{7+}$ ions. $H^{11+}$ and $H^{12+}$ ions.	2.5	22
94	lonæ“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
95	Towards imaging of ultrafast molecular dynamics using FELs. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 164029.	1.5	22
96	Atomic hydrogen interactions with gas-phase coronene cations: hydrogenation versus fragmentation. Physical Chemistry Chemical Physics, 2018, 20, 22427-22438.	2.8	22
97	Roadmap on photonic, electronic and atomic collision physics: II. Electron and antimatter interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171002.	1.5	22
98	Two- and more-electron transitions in slow multicharged ion-He collisions. Nuclear Instruments & Methods in Physics Research B, 1987, 23, 104-108.	1.4	21
99	Cross sections for l-selective electron capture into the He+(n=4) shell in intermediate energy collisions of He <sup>2+</sup> with H and H <sub>2</sub> . Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, 1245-1255.	1.5	21
100	Length effects in VUV photofragmentation of protonated peptides. Physical Chemistry Chemical Physics, 2012, 14, 4351.	2.8	21
101	Solar wind charge exchange in cometary atmospheres. Astronomy and Astrophysics, 2019, 630, A37.	5.1	21
102	Electron capture from Li by B <sup>5+</sup> , N <sup>5+</sup> and Be <sup>4+</sup> ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, 2029-2040.	1.5	20
103	Mitochondrial inheritance in <i>Aspergillus nidulans</i> . Genetical Research, 1996, 67, 93-100.	0.9	20
104	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
105	Sn ion energy distributions of ns- and ps-laser produced plasmas. Plasma Sources Science and Technology, 2018, 27, 045001.	3.1	20
106	The Sequence of Coronene Hydrogenation Revealed by Gas-phase IR Spectroscopy. Astrophysical Journal, 2019, 875, 27.	4.5	20
107	A coincidence study of multiple-electron capture in <sup>15</sup> N <sup>7+</sup> -Ar collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 2557-2567.	1.5	19
108	He <sup>2+</sup> -He collisions: one-electron capture and target-ion excitation. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 3475-3488.	1.5	19

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109	Additive action of partial heterokaryon incompatibility (partial-het) genes in <i>Aspergillus nidulans</i> . <i>Current Genetics</i> , 1994, 26, 233-237.	1.7	19
110	Electron capture into He <sup>+</sup> (4l) states in collisions of He <sup>2+</sup> on Li. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1992, 25, 2587-2596.	1.5	18
111	Isotope effects on the charge transfer into then=1, 2, and 3 shells of He <sup>2+</sup> in collisions with H, D, and T. <i>Physical Review A</i> , 2010, 81, .	2.5	18
112	Heavy ion induced damage to plasmid DNA: plateau region vs. spread out Bragg-peak. <i>European Physical Journal D</i> , 2011, 63, 359-367.	1.3	18
113	High-energy ions from Nd:YAG laser ablation of tin microdroplets: comparison between experiment and a single-fluid hydrodynamic model. <i>Plasma Sources Science and Technology</i> , 2021, 30, 105006.	3.1	18
114	State-selective charge transfer between He-like ions and He. <i>Physical Review A</i> , 1994, 49, 363-373.	2.5	17
115	Anisotropy and polarization in charge changing collisions of with Na(3s) and laser aligned Na(3p). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 2819-2836.	1.5	17
116	Single ionization and electron capture in He <sup>2+</sup> +Na collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 1987-1998.	1.5	17
117	Probing local spin ordering at surfaces by He <sup>2+</sup> ions. <i>Physical Review A</i> , 2006, 74, .	2.5	17
118	Local Spin Polarization at Surfaces Probed by Hollow Atoms. <i>Physical Review Letters</i> , 2006, 96, 177601.	7.8	17
119	Radical-driven processes within a peptidic sequence of type I collagen upon single-photon ionisation in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22895-22904.	2.8	17
120	A novel family of linear plasmids with homology to plasmid pAL2-1 of <i>Podospora anserina</i> . <i>Molecular Genetics and Genomics</i> , 1995, 246, 638-647.	2.4	16
121	Surface magnetism studied by polarized light emission after He <sup>+</sup> scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 168, 249-256.	2.3	16
122	Molecular fragmentation by slow highly charged ion impact. <i>Europhysics Letters</i> , 2000, 49, 41-47.	2.0	16
123	Chandra observations of Comet 9P/Tempel 1 during the Deep Impact campaign. <i>Icarus</i> , 2007, 190, 391-405.	2.5	16
124	Single-electron capture in keV Ar <sup>15+</sup>   18+ </sup>+He collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 195203.	1.5	16
125	Microdroplet-tin plasma sources of EUV radiation driven by solid-state-lasers (Topical Review). <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 054014.	2.2	16
126	State-selective electron capture in slow collisions of C <sup>6+</sup> and O <sup>6+</sup> with He. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1992, 25, 463-474.	1.5	15

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127	On the formation of hollow atoms in front of an insulating LiF surface. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 237-241.	1.4	15
128	State-selective charge transfer in slow collisions of with H and. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 1397-1408.	1.5	15
129	Single-atom detection of calcium isotopes by atom-trap trace analysis. Physical Review A, 2005, 71, .	2.5	15
130	Areal density effects on the blocking of 3-keV Ne <sup>7+</sup> ions guided through nanocapillaries in polymers. Physical Review A, 2013, 88, .	2.5	15
131	Near edge X-ray absorption mass spectrometry on coronene. Journal of Chemical Physics, 2015, 142, 024308.	3.0	15
132	Spectral characterization of an industrial EUV light source for nanolithography. Journal Physics D: Applied Physics, 2020, 53, 055204.	2.8	15
133	Characterization of 1- and $2\lambda$ -wavelength laser-produced microdroplet-tin plasma for generating extreme-ultraviolet light. Physical Review Research, 2021, 3, .	3.6	15
134	Electron capture and excitation in He <sup>2+</sup> -Na collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, 3155-3164.	1.5	14
135	State-selective electron capture in He <sup>2+</sup> -H <sub>2</sub> collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 2269-2276.	1.5	14
136	Energy loss of highly charged ions on an aluminum surface. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 165-167.	1.4	14
137	A comparative VUV absorption mass-spectroscopy study on protonated peptides of different size. Physical Chemistry Chemical Physics, 2017, 19, 20608-20618.	2.8	14
138	Solar wind charge exchange in cometary atmospheres. Astronomy and Astrophysics, 2019, 630, A35.	5.1	14
139	Characterization of angularly resolved EUV emission from 2- $\mu$ m-wavelength laser-driven Sn plasmas using preformed liquid disk targets. Journal Physics D: Applied Physics, 2021, 54, 365103.	2.8	14
140	A Rapid Precision Wavelength Measuring Apparatus. Applied Optics, 1967, 6, 807.	2.1	13
141	Five-body calculations of D <sub>2</sub> fragmentation by Xe <sup>19+</sup> impact. Physical Review A, 1999, 60, 2112-2117.	2.5	13
142	State selective single-electron capture in O <sup>6+</sup> -Na collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 3163-3172.	1.5	13
143	Multiple Ionization of Free Ubiquitin Molecular Ions in Extreme Ultraviolet Free-Electron Laser Pulses. Angewandte Chemie - International Edition, 2016, 55, 10741-10745.	13.8	13
144	Molecular hydrogen formation on interstellar PAHs through Eley-Rideal abstraction reactions. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	13

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145	Controlling ion kinetic energy distributions in laser produced plasma sources by means of a picosecond pulse pair. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	13
146	The scattering chamber of the BOL-system. <i>Nuclear Instruments &amp; Methods</i> , 1971, 92, 161-172.	1.2	12
147	Hydrogenated carbon clusters produced by highly charged ion impact on solid. <i>European Physical Journal D</i> , 2000, 12, 323-327.	1.3	12
148	EUV spectroscopy of $\text{Sn}^{5+}$ – $\text{Sn}^{10+}$ ions in an electron beam ion trap and laser-produced plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 195001.	1.5	12
149	State-selective electron capture and core excitation in slow $\text{Ne}^{6+}$ -He collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1992, 25, 4851-4864.	1.5	11
150	$\text{He}^{2+}$ -He collisions: one-electron capture versus electron removal and target-ion excitation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, L619-L624.	1.5	11
151	Energy loss and charge state distribution of reflected ions in $\text{N}_{6,7+}$ ion-Al(110) surface collisions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1997, 125, 116-119.	1.4	11
152	State-selective electron transfer and ionization in collisions of highly charged ions with ground-state $\text{Na}(3s)$ and laser-excited $\text{Na}^*(3p)$ . <i>Physical Review A</i> , 2012, 85, .	2.5	11
153	Femtosecond laser induced ionization and dissociation of gas-phase protonated leucine enkephalin. <i>International Journal of Mass Spectrometry</i> , 2014, 365-366, 365-371.	1.5	11
154	Single-photon absorption of isolated collagen mimetic peptides and triple-helix models in the VUV-X energy range. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18321-18329.	2.8	11
155	Solar wind charge exchange in cometary atmospheres. <i>Astronomy and Astrophysics</i> , 2019, 630, A36.	5.1	11
156	Multiple target ionization in collisions between highly charged ions and Ar. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 85-95.	1.5	10
157	Charge equilibration pathways following collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 6143-6153.	1.5	10
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