

# Henrik Cederquist

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2784983/publications.pdf>

Version: 2024-02-01

68  
papers

1,513  
citations

257450

24  
h-index

330143

37  
g-index

69  
all docs

69  
docs citations

69  
times ranked

849  
citing authors

#	ARTICLE	IF	CITATIONS
1	<a href="#">solved Mutual Neutralization of <math>Mg^+</math> and <math>D^+</math> in the Laboratory. Physical Review Research, 2022, 4, .</a>	7.8	7
2	<a href="#">Experimental lifetime of the <math>a1^{\pi}</math> electronically excited state of <math>CH^+</math>. Physical Review Research, 2022, 4, .</a>	3.6	2
3	<a href="#">Mutual Neutralization in <math>Li^+ + H^+</math> and <math>Na^+ + H^+</math> Collisions: Implications of Experimental Results for Non-LTE Modeling of Stellar Spectra. Astrophysical Journal, 2021, 908, 245.</a>	4.5	11
4	<a href="#">Final-state-resolved mutual neutralization of <math>Li^+</math> and <math>D^+</math>. Physical Review A, 2021, 103, .</a>	2.5	13
5	<a href="#">Roadmap on dynamics of molecules and clusters in the gas phase. European Physical Journal D, 2021, 75, 1.</a>	1.3	32
6	<a href="#">Mutual neutralisation of <math>O^+</math> with <math>O^+</math>: investigation of the role of metastable ions in a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2021, 23, 24607-24616.</a>	2.8	5
7	<a href="#">Survival of polycyclic aromatic hydrocarbon knockout fragments in the interstellar medium. Nature Communications, 2021, 12, 6646.</a>	12.8	15
8	<a href="#">Radiative cooling of carbon cluster anions <math>C_{2n+1}^-</math> (<math>n=3-5</math>). European Physical Journal D, 2020, 74, 1.</a>	1.3	17
9	<a href="#">Cryogenic merged-ion-beam experiments in DESIREE: Final-state-resolved mutual neutralization of <math>Li^+</math> and <math>D^+</math>. Physical Review A, 2020, 102, .</a>	2.5	18
10	<a href="#">Spontaneous Electron Emission from Hot Silver Dimer Anions: Breakdown of the Born-Oppenheimer Approximation. Physical Review Letters, 2020, 124, 173001.</a>	7.8	10
11	<a href="#">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.</a>	1.5	22
12	<a href="#">Decay pathways for protonated and deprotonated adenine molecules. Journal of Chemical Physics, 2019, 151, 044306.</a>	3.0	0
13	<a href="#">Ultraslow radiative cooling of <math>Cn^+</math> (<math>n=3-5</math>). Journal of Chemical Physics, 2019, 151, 114304.</a>	3.0	16
14	<a href="#">Storage time dependent photodissociation action spectroscopy of polycyclic aromatic hydrocarbon cations in the cryogenic electrostatic storage ring DESIREE. Faraday Discussions, 2019, 217, 126-137.</a>	3.2	16
15	<a href="#">Intrinsic absorption profile and radiative cooling rate of a PAH cation revealed by action spectroscopy in the cryogenic electrostatic storage ring DESIREE. Proceedings of the International Astronomical Union, 2019, 15, 127-131.</a>	0.0	5
16	<a href="#">Dianion diagnostics in DESIREE: High-sensitivity detection of <math>Cn^{2-}</math> from a sputter ion source. Review of Scientific Instruments, 2018, 89, 033112.</a>	1.3	4
17	<a href="#">Decays of excited silver-cluster anions <math>Ag_n^-</math>, <math>n=4</math> to 7, in the Double ElectroStatic Ion Ring ExpERiment. Physical Review A, 2018, 98, .</a>	2.5	13
18	<a href="#">DESIREE electrospray ion source test bench and setup for collision induced dissociation experiments. Review of Scientific Instruments, 2018, 89, 075102.</a>	1.3	7

#	ARTICLE	IF	CITATIONS
19	Neutralization of small copper-cluster anions $O^+ + Cu_n^- \rightarrow O + Cu_n$ with $O^+ + Cu_n^- \rightarrow O + Cu_n$ Spontaneous decay of small copper-cluster anions $O^+ + Cu_n^- \rightarrow O + Cu_n$ Physical Review A, 2017, 95, .	7.8	26
20	Rotationally Cold $OH^+ + Cu_n^- \rightarrow OH + Cu_n$ Ions in the Cryogenic Electrostatic Ion-Beam Storage Ring DESIREE. Physical Review Letters, 2017, 119, 073001, .	7.8	41
22	Interaction and charge transfer between dielectric spheres: Exact and approximate analytical solutions. Journal of Chemical Physics, 2016, 145, 194307.	3.0	5
23	Radiative lifetimes of the bound excited states of $Pt^+ + Cu_n^- \rightarrow Pt + Cu_n$ Physical Review A, 2016, 94, .	2.5	15
24	Lifetime of the bound excited level in $Ni^+ + Cu_n^- \rightarrow Ni + Cu_n$ Physical Review A, 2016, 93, .	2.5	14
25	Hydrogenated pyrene: Statistical single-carbon loss below the knockout threshold. European Physical Journal D, 2016, 70, 1.	1.3	15
26	Failure of hydrogenation in protecting polycyclic aromatic hydrocarbons from fragmentation. Physical Review A, 2015, 92, .	2.5	40
27	Threshold Energies for Single-Carbon Knockout from Polycyclic Aromatic Hydrocarbons. Journal of Physical Chemistry Letters, 2015, 6, 4504-4509.	4.6	26
28	Storing keV Negative Ions for an Hour: The Lifetime of the Metastable $P^- + Cu_n^- \rightarrow P + Cu_n$ Physical Review A, 2015, 92, .	7.8	53
29	Molecular Growth Inside of Polycyclic Aromatic Hydrocarbon Clusters Induced by Ion Collisions. Journal of Physical Chemistry Letters, 2015, 6, 1536-1542.	4.6	62
30	Formation of H2 from internally heated polycyclic aromatic hydrocarbons: Excitation energy dependence. Journal of Chemical Physics, 2015, 142, 144305.	3.0	43
31	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
32	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
33	Multiple electron capture, excitation, and fragmentation in $C^+ + Cu_n^- \rightarrow C + Cu_n$ ions colliding with mixed clusters of $C^+ + Cu_n^- \rightarrow C + Cu_n$ Physical Review A, 2014, 90, .	2.5	8
34	Fragmentation and bond formation. Physical Review A, 2014, 90, .	2.5	15
35	Nonstatistical fragmentation of large molecules. Physical Review A, 2014, 89, .	2.5	57
36	Formation dynamics of fullerene dimers $C^+ + C_{118}^- \rightarrow C + C_{118}$ and $C^+ + C_{119}^- \rightarrow C + C_{119}$ Physical Review A, 2014, 89, .	2.5	27

#	ARTICLE	IF	CITATIONS
37	First storage of ion beams in the Double Electrostatic Ion-Ring Experiment: DESIREE. Review of Scientific Instruments, 2013, 84, 055115.	1.3	116
38	The Stability of Cosmic Fullerenes and Fullerenic Aggregates. Proceedings of the International Astronomical Union, 2013, 9, 339-343.	0.0	1
39	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
40	Ionization and fragmentation of polycyclic aromatic hydrocarbon clusters in collisions with keV ions. Physical Review A, 2011, 84, .	2.5	38
41	Multiple ionization and fragmentation of isolated pyrene and coronene molecules in collision with ions. Physical Review A, 2011, 83, .	2.5	66
42	Resonant electron capture by $C_{60}$ at a metal surface with projected band gap. Physical Review B, 2010, 81, .	2.5	9
43	Importance of Thomas single-electron transfer in fast $He$ - $C_{60}$ collisions. Physical Review A, 2010, 81, .	2.5	32
44	Status of the Mini-Ring project: a compact electrostatic storage ring. , 2008, , .		0
45	Fragmentation of isolated and nanosolvated biomolecular systems. , 2008, , .		2
46	Operating a triple stack microchannel plate-phosphor assembly for single particle counting in the 12â€“300K temperature range. Review of Scientific Instruments, 2007, 78, 113301.	1.3	33
47	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
48	Experimental separation of the Thomas charge-transfer process in high-velocity $He$ - $C_{60}$ collisions. Physical Review A, 2006, 73, .	2.5	33
49	CLUSTERS AND CLUSTERS OF CLUSTERS IN COLLISIONS. , 2006, , .		1
50	LIFETIMES OF $C_{60}^{2-}$ AND $C_{70}^{2-}$ DIANIONS IN A STORAGE RING. , 2006, , .		0
51	Two-center interference in fast proton $H_2$ -electron transfer and excitation processes. Physical Review A, 2005, 72, .	2.5	31
52	Recoil-ion momentum distributions for transfer ionization in fast proton- $He$ collisions. Physical Review A, 2005, 72, .	2.5	25
53	COLLISION INDUCED FRAGMENTATION OF FULLERENE CLUSTERS ( $C_{60}$ ) <sub>n</sub> . International Journal of Modern Physics B, 2005, 19, 2345-2352.	2.0	2
54	Electrostatic model calculations of fission barriers for fullerene ions. European Physical Journal D, 2004, 29, 63-68.	1.3	13

#	ARTICLE	IF	CITATIONS
55	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
56	STABILITY AND FRAGMENTATION OF HIGHLY CHARGED FULLERENE CLUSTERS. , 2004, , 301-311.		0
57	Electron capture and loss by protonated peptides and proteins in collisions with $C_{60}^{+}$ and Na. European Physical Journal D, 2003, 22, 75-79.	1.3	16
58	Power-law decay of collisionally excited amino acids and quenching by radiative cooling. European Physical Journal D, 2003, 25, 139-148.	1.3	52
59	Kinetic energy releases of exploding C60 ions produced by slow highly charged ions. AIP Conference Proceedings, 2003, , .	0.4	0
60	Experimental investigation of the asymptotic momentum wave function of the He ground state. AIP Conference Proceedings, 2002, , .	0.4	4
61	Present status of the Stockholm electron beam ion source and its scientific program. AIP Conference Proceedings, 2001, , .	0.4	4
62	Lifetime measurements for metastable He like ions. , 2000, 127, 247-250.		5
63	Collisional deexcitation of metastable ions: A new technique to separate radiative and nonradiative contributions. , 1999, , .		0
64	Thermionic emission laser spectroscopy of stored C60-. European Physical Journal D, 1999, 9, 351-354.	1.3	12
65	Energy gain in collisions of highly charged ions with C60. Physical Review A, 1997, 56, 4799-4806.	2.5	26
66	Intra-atomic Electron-Electron Scattering in p-He Collisions (Thomas Process) Investigated by Cold Target Recoil Ion Momentum Spectroscopy. Physical Review Letters, 1997, 79, 387-390.	7.8	79
67	A design study for an internal gas-jet target for the heavy-ion storage ring CRYRING. , 1997, 108, 339-354.		25
68	A design study for an internal gas-jet target for the heavy-ion storage ring CRYRING. , 1997, 108, 339.		1