

Lutz Schweikhard

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

763
citations

933447

10
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of the doubly charged, gas-phase fullerene anions C60 ²⁻ and C70 ²⁻ . Journal of the American Chemical Society, 1991, 113, 6795-6798.	13.7	157
2	Quadrupolar excitation and collisional cooling for axialization and high pressure trapping of ions in Fourier transform ion cyclotron resonance mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1992, 120, 71-83.	1.8	144
3	Fourier transform ion cyclotron resonance mass spectrometry: technique developments. International Journal of Mass Spectrometry and Ion Processes, 1992, 118-119, 37-70.	1.8	133
4	Excitation modes for fourier transform-ion cyclotron resonance mass spectrometry. Journal of the American Society for Mass Spectrometry, 1993, 4, 433-452.	2.8	95
5	Multiply Charged Metal Cluster Anions. Physical Review Letters, 2001, 86, 2996-2999.	7.8	64
6	A multi-reflection time-of-flight mass separator for isobaric purification of radioactive ion beams. Hyperfine Interactions, 2011, 199, 115-122.	0.5	49
7	Mass-to-charge ratio upper limits for matrix-assisted laser desorption Fourier transform ion cyclotron resonance mass spectrometry. Analytical Chemistry, 1992, 64, 1461-1469.	6.5	16
8	A two-electrode ion trap for Fourier transform ion cyclotron resonance mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1994, 137, 9-30.	1.8	16
9	The elliptical Penning trap: Experimental investigations and simulations. International Journal of Mass Spectrometry, 2008, 275, 34-44.	1.5	14
10	Abundances of Tetra-, Penta-, and Hexa-Anionic Gold Clusters. Journal of Physical Chemistry C, 2015, 119, 10949-10957.	3.1	13
11	Lifting of the trapping potential during ion storage for multi-anion production in a Penning trap. International Journal of Mass Spectrometry, 2012, 313, 30-35.	1.5	10
12	The influence of spontaneous m/z-changes on the ion motion in an ion cyclotron resonance trap. International Journal of Mass Spectrometry, 2004, 234, 161-169.	1.5	9
13	Simultaneous monitoring of the radial modes of the ion motion and their manipulation in Penning traps by FT-ICR mass spectrometry. International Journal of Mass Spectrometry, 2007, 263, 94-100.	1.5	9
14	Dipolar and quadrupolar detection using an FT-ICR MS setup at the MPIK Heidelberg. Hyperfine Interactions, 2011, 199, 347-355.	0.5	9
15	Isotope-resolved photodissociation pathways of lead-doped bismuth clusters from tandem multi-reflection time-of-flight mass spectrometry. Physical Review Research, 2019, 1, .	3.6	6
16	Disentangling the photodissociation pathways of small lead clusters by time-resolved monitoring of their delayed decays: the case of Pb_{31}^{+} . Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 044005.	1.5	5
17	Unintended Parametric Ejection of Ions from an Ion Cyclotron Resonance Trap by Two-Electrode Axialization. European Journal of Mass Spectrometry, 2009, 15, 283-291.	1.0	3
18	Electron attachment to anionic clusters in ion traps. Hyperfine Interactions, 2015, 236, 19-27.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Interaction of anionic tin clusters Sn_n^- , $n = 7 \text{ to } 75$ with electrons – polyanion production and cluster decay. European Physical Journal D, 2018, 72, 1.	1.3	3
20	Photodissociation of mono- and di-anionic tin clusters. European Physical Journal D, 2020, 74, 1.	1.3	3
21	Trap-based Cluster Research and Cluster-based Investigations of Ion Storage at ClusterTrap. AIP Conference Proceedings, 2006, , .	0.4	2
22	Fourier transform ion cyclotron resonance mass spectrometry: technique developments. , 1992, , 37-70.		0
23	Internal ion impact ionization for Fourier-transform ion cyclotron resonance. Rapid Communications in Mass Spectrometry, 1994, 8, 14-21.	1.5	0