Paul Fischer

List of Publications by Year
in descending order

20 papers	178 citations	1040056 9 h-index	1125743 13 g-index
20 all docs	20 docs citations	20 times ranked	96 citing authors

#	Article	IF	Citations
1	In-depth study of in-trap high-resolution mass separation by transversal ion ejection from a multi-reflection time-of-flight device. Review of Scientific Instruments, 2018, 89, 015114.	1.3	23
2	Multi-reflection time-of-flight mass spectrometry with combined in-trap lift capture and mirror-switch ejection. International Journal of Mass Spectrometry, 2017, 423, 46-53.	1.5	16
3	Multiple ion capture and separation in an electrostatic storage device. International Journal of Mass Spectrometry, 2019, 435, 305-314.	1.5	13
4	First steps in the development of the Multi Ion Reflection Apparatus for Collinear Laser Spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 310-314.	1.4	13
5	A multi-reflection time-of-flight setup for the improvement and development of new methods and the study of atomic clusters. International Journal of Mass Spectrometry, 2019, 446, 116189.	1.5	12
6	Photofragmentation of Bin+/- clusters (nÂ=Â2â^'19) in an electrostatic ion beam trap. European Physical Journal D, 2019, 73, 1.	1.3	12
7	Non-isobaric time-of-flight correction for isobar resolving in MR-ToF mass spectrometry. International Journal of Mass Spectrometry, 2018, 432, 44-51.	1.5	11
8	Multiple active voltage stabilizations for multi-reflection time-of-flight mass spectrometry. Review of Scientific Instruments, 2021, 92, 063203.	1.3	10
9	Simulations of a proof-of-principle experiment for collinear laser spectroscopy within a multi-reflection time-of-flight device. Hyperfine Interactions, 2019, 240, 1.	0.5	9
10	Multiple-ion-ejection multi-reflection time-of-flight mass spectrometry for single-reference mass measurements with lapping ion species. Review of Scientific Instruments, 2020, 91, 023201.	1.3	8
11	Decay-rate power-law exponent as a link between dissociation energy and temperature. Physical Review Research, 2020, 2, .	3.6	8
12	Fluorescence detection as a new diagnostics tool for electrostatic ion beam traps. Hyperfine Interactions, 2019, 240, 1.	0.5	7
13	An accuracy benchmark of the MIRACLS apparatus: Conventional, single-passage collinear laser spectroscopy inside a MR-ToF device. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165663.	1.6	6
14	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
15	Simulations of a digital ion filter and a digital ion trap for heavy biomolecules. International Journal of Mass Spectrometry, 2022, 473, 116779.	1.5	6
16	Disentangling the photodissociation pathways of small lead clusters by time-resolved monitoring of their delayed decays: the case of ${{{m{P}}{m{b}}}_{31}}^{+}$. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 044005.	1.5	5
17	Stray-light Suppression for the MIRACLS Proof-of-principle Experiment. Acta Physica Polonica B, 2020, 51, 571.	0.8	5
18	The NEXT Project: Towards Production and Investigation of Neutron-Rich Heavy Nuclides. Atoms, 2022, 10, 59.	1.6	4

#	Article	IF	Citations
19	Concatenated multi-reflection time-of-flight spectra for wide-band mass spectrometry. International Journal of Mass Spectrometry, 2021, 463, 116546.	1.5	3
20	Stacked-ring ion guide for cooling and bunching rare isotopes. International Journal of Mass Spectrometry, 2022, 477, 116856.	1.5	1