

# Paul Fischer

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

178  
citations

1040056

9  
h-index

1125743

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g-index

20  
all docs

20  
docs citations

20  
times ranked

96  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Stacked-ring ion guide for cooling and bunching rare isotopes. International Journal of Mass Spectrometry, 2022, 477, 116856.	1.5	1
3	The NEXT Project: Towards Production and Investigation of Neutron-Rich Heavy Nuclides. Atoms, 2022, 10, 59.	1.6	4
4	Concatenated multi-reflection time-of-flight spectra for wide-band mass spectrometry. International Journal of Mass Spectrometry, 2021, 463, 116546.	1.5	3
5	Multiple active voltage stabilizations for multi-reflection time-of-flight mass spectrometry. Review of Scientific Instruments, 2021, 92, 063203.	1.3	10
6	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
7	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
8	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
9	Decay-rate power-law exponent as a link between dissociation energy and temperature. Physical Review Research, 2020, 2, .	3.6	8
10	Stray-light Suppression for the MIRACLS Proof-of-principle Experiment. Acta Physica Polonica B, 2020, 51, 571.	0.8	5
11	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
12	Fluorescence detection as a new diagnostics tool for electrostatic ion beam traps. Hyperfine Interactions, 2019, 240, 1.	0.5	7
13	Photofragmentation of Bin+/- clusters ( $n \hat{=} \hat{=} 19$ ) in an electrostatic ion beam trap. European Physical Journal D, 2019, 73, 1.	1.3	12
14	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
15	Multiple ion capture and separation in an electrostatic storage device. International Journal of Mass Spectrometry, 2019, 435, 305-314.	1.5	13
16	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
17	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
18	Disentangling the photodissociation pathways of small lead clusters by time-resolved monitoring of their delayed decays: the case of $\text{Pb}_n^+ \text{Bi}_m^+$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 044005.	1.5	5

#	ARTICLE	IF	CITATIONS
19	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
20	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