

Stephen Eckel

List of Publications by Year in descending order

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9
papers

451
citations

1163117

8
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

557
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of two multiplexed portable cold-atom vacuum standards. <i>AVS Quantum Science</i> , 2022, 4, .	4.9	9
2	Collisions of room-temperature helium with ultracold lithium and the van der Waals bound state of HeLi. <i>Physical Review A</i> , 2020, 101, .	2.5	13
3	Elastic rate coefficients for Li^+H collisions in the calibration of a cold-atom vacuum standard. <i>Physical Review A</i> , 2019, 99, .	2.5	19
4	Elastic rate coefficients for Li^+H collisions in the calibration of a cold-atom vacuum standard. <i>Physical Review A</i> , 2019, 99, .	2.5	2
5	Review Article: Quantum-based vacuum metrology at the National Institute of Standards and Technology. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	25
6	Challenges to miniaturizing cold atom technology for deployable vacuum metrology. <i>Metrologia</i> , 2018, 55, S182-S193.	1.2	37
7	Development of a new UHV/XHV pressure standard (cold atom vacuum standard). <i>Metrologia</i> , 2017, 54, S125-S132.	1.2	43
8	Superfluid transport dynamics in a capacitive atomtronic circuit. <i>Physical Review A</i> , 2016, 94, .	2.5	17
9	Hysteresis in a quantized superfluid $\tilde{\text{atomtronic}}^{\text{TM}}$ circuit. <i>Nature</i> , 2014, 506, 200-203.	27.8	286