

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