

Kyle Arnold

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

322
citations

840776

11
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

292
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Organization Threshold Scaling for Thermal Atoms Coupled to a Cavity. Physical Review Letters, 2012, 109, 153002.	7.8	63
2	Blackbody radiation shift assessment for a lutetium ion clock. Nature Communications, 2018, 9, 1650.	12.8	42
3	Prospects for atomic clocks based on large ion crystals. Physical Review A, 2015, 92, .	2.5	39
4	Oscillating-magnetic-field effects in high-precision metrology. Physical Review A, 2018, 98, .	2.5	26
5	Atomic properties of $^{176}\text{Lu}^+$. Physical Review A, 2016, 93, .	2.5	21
6	Suppressing Inhomogeneous Broadening in a Lutetium Multi-ion Optical Clock. Physical Review Letters, 2019, 123, 063201.	7.8	20
7	Laser spectroscopy of $^{176}\text{Lu}^+$. Journal of Modern Optics, 2018, 65, 592-601.	1.3	14
8	Polarizability assessments of ion-based optical clocks. Physical Review A, 2019, 100, .	2.5	13
9	Measurements of the branching ratios for $6P_{1/2}$ decays in Ba^{+138} . Physical Review A, 2019, 100, .	2.5	12
10	Precision Measurements of the $6P_{1/2}$ Branching Ratios in $^{138}\text{Ba}^+$. Physical Review Letters, 2020, 124, 083202.	7.8	11
11	Hyperfine Averaging by Dynamic Decoupling in a Multi-Ion Lutetium Clock. Physical Review Letters, 2020, 124, 083202.	7.8	11
12	Dynamic polarizability measurements with $^{176}\text{Lu}^+$. Physical Review A, 2019, 99, .	2.5	9
13	Laser spectroscopy of the $6S_{1/2} \rightarrow 6P_{1/2}$ transition in $^{138}\text{Ba}^+$. Physical Review A, 2020, 101, .	2.5	8
14	Branching fractions for $6P_{1/2}$ decays in $^{138}\text{Ba}^+$. Physical Review A, 2020, 101, .	2.5	8
15	Magic wavelength of the $^{138}\text{Ba}^+$ $6s\ 1/2 \rightarrow 5d\ 5/2$ clock transition. Physical Review A, 2020, 101, .	2.5	6
17	Oscillating quadrupole effects in high-precision metrology. Physical Review A, 2019, 99, .	2.5	4
18	Precision measurement of the $6D_{5/2}$ transition in $^{138}\text{Ba}^+$. Physical Review Letters, 2020, 124, 083202.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Hyperfine-mediated effects in a Lu^{2+} optical clock. Physical Review A, 2020, 102, .	2.5	2