

Jeremy M Sage

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

737
citations

13
h-index

23
g-index

23
ext. papers

1,178
ext. citations

14
avg, IF

4.62
L-index

#	Paper	IF	Citations
20	omg blueprint for trapped ion quantum computing with metastable states. <i>Applied Physics Letters</i> , 2021 , 119, 214002	3.4	0
19	Heating of a Trapped Ion Induced by Dielectric Materials. <i>Physical Review Letters</i> , 2021 , 126, 230505	7.4	4
18	Operation of an optical atomic clock with a Brillouin laser subsystem. <i>Nature</i> , 2020 , 588, 244-249	50.4	9
17	Integrated multi-wavelength control of an ion qubit. <i>Nature</i> , 2020 , 586, 538-542	50.4	52
16	Trapped-ion quantum computing: Progress and challenges. <i>Applied Physics Reviews</i> , 2019 , 6, 021314	17.3	265
15	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-15	3.8	16
14	Low-loss integrated photonics for the blue and ultraviolet regime. <i>APL Photonics</i> , 2019 , 4, 026101	5.2	42
13	Dual-species, multi-qubit logic primitives for Ca ⁺ /Sr ⁺ trapped-ion crystals. <i>Npj Quantum Information</i> , 2019 , 5,	8.6	11
12	Distance scaling of electric-field noise in a surface-electrode ion trap. <i>Physical Review A</i> , 2018 , 97,	2.6	31
11	Evidence for multiple mechanisms underlying surface electric-field noise in ion traps. <i>Physical Review A</i> , 2018 , 98,	2.6	15
10	Method for determination of technical noise contributions to ion motional heating. <i>Journal of Applied Physics</i> , 2018 , 124, 214904	2.5	8
9	Heisenberg scaling of imaging resolution by coherent enhancement. <i>Physical Review A</i> , 2017 , 96,	2.6	4
8	Scalable loading of a two-dimensional trapped-ion array. <i>Nature Communications</i> , 2016 , 7, 13005	17.4	21
7	Integrated optical addressing of an ion qubit. <i>Nature Nanotechnology</i> , 2016 , 11, 1066-1070	28.7	96
6	Measurement of ion motional heating rates over a range of trap frequencies and temperatures. <i>Physical Review A</i> , 2015 , 91,	2.6	33
5	Reduction of trapped-ion anomalous heating by in situ surface plasma cleaning. <i>Physical Review A</i> , 2015 , 92,	2.6	18
4	Insensitivity of the rate of ion motional heating to trap-electrode material over a large temperature range. <i>Physical Review A</i> , 2014 , 89,	2.6	43

- 3 Ion traps fabricated in a CMOS foundry. *Applied Physics Letters*, **2014**, 105, 044103 3.4 30
- 2 Loading of a surface-electrode ion trap from a remote, precooled source. *Physical Review A*, **2012**, 86, 043401 2.6 30
- 1 Materials challenges for trapped-ion quantum computers. *Nature Reviews Materials*, 2018, 7:3 9