

Joseph W Britton

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,545
citations

1040056

9
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

1918
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Engineered two-dimensional Ising interactions in a trapped-ion quantum simulator with hundreds of spins. Nature, 2012, 484, 489-492. | 27.8 | 722 |
| 2 | Quantum spin dynamics and entanglement generation with hundreds of trapped ions. Science, 2016, 352, 1297-1301. | 12.6 | 369 |
| 3 | Stylus ion trap for enhanced access and sensing. Nature Physics, 2009, 5, 551-554. | 16.7 | 141 |
| 4 | The Atacama Cosmology Telescope: CMB polarization at 200 <math>\mu\text{m}</math> and 9000. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 007-007. | 5.4 | 121 |
| 5 | Trapped Ion Quantum Information Processing with Squeezed Phonons. Physical Review Letters, 2019, 122, 030501. | 7.8 | 58 |
| 6 | Spectroscopy and Thermometry of Drumhead Modes in a Mesoscopic Trapped-Ion Crystal Using Entanglement. Physical Review Letters, 2012, 108, 213003. | 7.8 | 49 |
| 7 | An 84 Pixel All-Silicon Corrugated Feedhorn for CMB Measurements. Journal of Low Temperature Physics, 2012, 167, 522-527. | 1.4 | 28 |
| 8 | Spin dephasing as a probe of mode temperature, motional state distributions, and heating rates in a two-dimensional ion crystal. Physical Review A, 2014, 89, . | 2.5 | 23 |
| 9 | Reversing hydride-ion formation in quantum-information experiments with Be^{10+} . Physical Review A, 2015, 91, . | 2.5 | 18 |
| 10 | Perpendicular laser cooling with a rotating-wall potential in a Penning trap. Physical Review A, 2016, 93, . | 2.5 | 9 |
| 11 | Stroboscopic approach to trapped-ion quantum information processing with squeezed phonons. Physical Review A, 2019, 100, . | 2.5 | 7 |
| 12 | Ions on a needle's tip - Traps with enhanced optical and physical access. , 2009, , . | | 0 |
| 13 | Quantum simulation and many-body physics with hundreds of trapped ions. , 2013, , . | | 0 |
| 14 | Stroboscopic approach to trapped-ion quantum information processing with squeezed phonons. Physical Review A, 2019, 100, . | 2.5 | 0 |