

Matthias Sonnleitner

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

16
papers

143
citations

8
h-index

11
g-index

20
ext. papers

188
ext. citations

4.2
avg, IF

3.05
L-index

#	Paper	IF	Citations
16	A Versatile Quantum Simulator for Coupled Oscillators Using a 1D Chain of Atoms Trapped near an Optical Nanofiber. <i>Photonics</i> , 2021 , 8, 228	2.2	1
15	The vacuum friction paradox and related puzzles. <i>Contemporary Physics</i> , 2018 , 59, 145-154	3.3	3
14	Vacuum friction. <i>Journal of Modern Optics</i> , 2018 , 65, 706-712	1.1	4
13	Attractive force on atoms due to blackbody radiation. <i>Nature Physics</i> , 2018 , 14, 257-260	16.2	22
12	Synthesizing variable particle interaction potentials via spectrally shaped spatially coherent illumination. <i>New Journal of Physics</i> , 2018 , 20, 103009	2.9	2
11	Mass-energy and anomalous friction in quantum optics. <i>Physical Review A</i> , 2018 , 98,	2.6	8
10	Will a Decaying Atom Feel a Friction Force?. <i>Physical Review Letters</i> , 2017 , 118, 053601	7.4	17
9	Image reconstruction from photon sparse data. <i>Scientific Reports</i> , 2017 , 7, 42164	4.9	13
8	From retrodiction to Bayesian quantum imaging. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 044001	1.7	2
7	The Rytgen interaction and forces on dipoles in time-modulated optical fields. <i>European Physical Journal D</i> , 2017 , 71, 1	1.3	3
6	Image retrodiction at low light levels. <i>Optica</i> , 2015 , 2, 950	8.6	9
5	Scattering approach to two-colour light forces and self-ordering of polarizable particles. <i>New Journal of Physics</i> , 2014 , 16, 043017	2.9	12
4	Self-ordering and collective dynamics of transversely illuminated point-scatterers in a 1D trap. <i>European Physical Journal D</i> , 2014 , 68, 1	1.3	13
3	Attractive optical forces from blackbody radiation. <i>Physical Review Letters</i> , 2013 , 111, 023601	7.4	16
2	Optomechanical deformation and strain in elastic dielectrics. <i>New Journal of Physics</i> , 2012 , 14, 103011	2.9	12
1	Optical forces, trapping and strain on extended dielectric objects. <i>Europhysics Letters</i> , 2011 , 94, 34005	1.6	6