

# Matthias Sonnleitner

## List of Publications by Citations

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**Version:** 2024-04-28

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