

# Jan Gieseler

## 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.

24  
papers

1,432  
citations

17  
h-index

30  
g-index

30  
ext. papers

1,822  
ext. citations

7.9  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
24	Optical tweezers [From calibration to applications: a tutorial. <i>Advances in Optics and Photonics</i> , <b>2021</b> , 13, 74	16.7	33
23	Efficient Entanglement of Spin Qubits Mediated by a Hot Mechanical Oscillator. <i>Physical Review Letters</i> , <b>2021</b> , 126, 250505	7.4	1
22	Theory of quantum acoustomagnonics and acoustomechanics with a micromagnet. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	10
21	Quantum Acoustomechanics with a Micromagnet. <i>Physical Review Letters</i> , <b>2020</b> , 124, 093602	7.4	15
20	Single-Spin Magnetomechanics with Levitated Micromagnets. <i>Physical Review Letters</i> , <b>2020</b> , 124, 163604	7.4	28
19	Hybrid architecture for engineering magnonic quantum networks. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	8
18	Resolved-Sideband Cooling of a Levitated Nanoparticle in the Presence of Laser Phase Noise. <i>Physical Review Letters</i> , <b>2019</b> , 123, 153601	7.4	20
17	Levitated Nanoparticles for Microscopic Thermodynamics-A Review. <i>Entropy</i> , <b>2018</b> , 20,	2.8	41
16	Single Particle Thermodynamics with Levitated Nanoparticles. <i>Fundamental Theories of Physics</i> , <b>2018</b> , 853-885	0.8	5
15	The sandwich in the middle: using collective effects for stronger optomechanical coupling. <i>New Journal of Physics</i> , <b>2018</b> , 20, 101001	2.9	1
14	Optically levitated nanoparticle as a model system for stochastic bistable dynamics. <i>Nature Communications</i> , <b>2017</b> , 8, 15141	17.4	60
13	Direct measurement of Kramers turnover with a levitated nanoparticle. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 1130-1133	28.7	69
12	Levitated nanoparticle as a classical two-level atom [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, C52	1.7	2
11	Direct Measurement of Photon Recoil from a Levitated Nanoparticle. <i>Physical Review Letters</i> , <b>2016</b> , 116, 243601	7.4	176
10	Macroscopic Quantum Resonators (MAQRO): 2015 update. <i>EPJ Quantum Technology</i> , <b>2016</b> , 3,	6.9	57
9	Cooling Mechanical Oscillators by Coherent Control. <i>Physical Review Letters</i> , <b>2016</b> , 117, 163601	7.4	24
8	Non-equilibrium steady state of a driven levitated particle with feedback cooling. <i>New Journal of Physics</i> , <b>2015</b> , 17, 045011	2.9	23

7	Cooling and manipulation of a levitated nanoparticle with an optical fiber trap. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 151102	3.4	40
6	Dynamic relaxation of a levitated nanoparticle from a non-equilibrium steady state. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 358-64	28.7	112
5	Nonlinear mode coupling and synchronization of a vacuum-trapped nanoparticle. <i>Physical Review Letters</i> , <b>2014</b> , 112, 103603	7.4	46
4	Thermal nonlinearities in a nanomechanical oscillator. <i>Nature Physics</i> , <b>2013</b> , 9, 806-810	16.2	158
3	Observation of nitrogen vacancy photoluminescence from an optically levitated nanodiamond. <i>Optics Letters</i> , <b>2013</b> , 38, 2976-9	3	65
2	Subkelvin parametric feedback cooling of a laser-trapped nanoparticle. <i>Physical Review Letters</i> , <b>2012</b> , 109, 103603	7.4	346
1	Second-harmonic generation from split-ring resonators on a GaAs substrate. <i>Optics Letters</i> , <b>2009</b> , 34, 1997-9	3	91