

# Marko ToroÅ¡

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1480379/publications.pdf>

Version: 2024-02-01

26  
papers

1,005  
citations

623734

14  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

655  
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared scaling for a graviton condensate. Nuclear Physics B, 2022, 977, 115730.	2.5	2
2	Mechanism for the quantum natured gravitons to entangle masses. Physical Review D, 2022, 105, .	4.7	41
3	Coherent-scattering two-dimensional cooling in levitated cavity optomechanics. Physical Review Research, 2021, 3, .	3.6	18
4	Relative acceleration noise mitigation for nanocrystal matter-wave interferometry: Applications to entangling masses via quantum gravity. Physical Review Research, 2021, 3, .	3.6	29
5	Creating atom-nanoparticle quantum superpositions. Physical Review Research, 2021, 3, .	3.6	4
6	Gravitons in a box. Physical Review D, 2021, 104, .	4.7	4
7	Revealing and concealing entanglement with noninertial motion. Physical Review A, 2020, 101, .	2.5	15
8	Quantum sensing and cooling in three-dimensional levitated cavity optomechanics. Physical Review Research, 2020, 2, .	3.6	23
9	Ultrarrow-linewidth levitated nano-oscillator for testing dissipative wave-function collapse. Physical Review Research, 2020, 2, .	3.6	39
10	Testing dissipative collapse models with a levitated micromagnet. Physical Review Research, 2020, 2, .	3.6	13
11	Optimal control for feedback cooling in cavityless levitated optomechanics. New Journal of Physics, 2019, 21, 073019.	2.9	8
12	Testing collapse models with levitated nanoparticles: Detection challenge. Physical Review A, 2019, 100, .	2.5	36
13	Photon Bunching in a Rotating Reference Frame. Physical Review Letters, 2019, 123, 110401.	7.8	30
14	Static force characterization with Fano anti-resonance in levitated optomechanics. Applied Physics Letters, 2019, 114, .	3.3	8
15	Real-time Kalman filter: Cooling of an optically levitated nanoparticle. Physical Review A, 2018, 97, .	2.5	35
16	Bounds on quantum collapse models from matter-wave interferometry: calculational details. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 115302.	2.1	34
17	Precession Motion in Levitated Optomechanics. Physical Review Letters, 2018, 121, 253601.	7.8	53
18	Detection of anisotropic particles in levitated optomechanics. Physical Review A, 2018, 98, .	2.5	8

#	ARTICLE	IF	CITATIONS
19	Dynamical model selection near the quantum-classical boundary. <i>Physical Review A</i> , 2018, 98, .	2.5	13
20	Force sensing with an optically levitated charged nanoparticle. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	94
21	General Galilei Covariant Gaussian Maps. <i>Physical Review Letters</i> , 2017, 119, 100403.	7.8	4
22	Spin Entanglement Witness for Quantum Gravity. <i>Physical Review Letters</i> , 2017, 119, 240401.	7.8	415
23	Gravity induced wave function collapse. <i>Physical Review D</i> , 2017, 96, .	4.7	21
24	Colored and dissipative continuous spontaneous localization model and bounds from matter-wave interferometry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3921-3927.	2.1	38
25	Wigner Function Reconstruction in Levitated Optomechanics. <i>Quantum Measurements and Quantum Metrology</i> , 2017, 4, .	3.3	14
26	Bohmian mechanics, collapse models and the emergence of classicality. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 355302.	2.1	6