

Tania Monteiro

List of Publications by Year in descending order

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36
papers

1,315
citations

430874

18
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

1045
citing authors

#	ARTICLE	IF	CITATIONS
1	Adiabatic dynamical-decoupling-based control of nuclear spin registers. <i>Physical Review Research</i> , 2022, 4, .	3.6	6
2	Coherent-scattering two-dimensional cooling in levitated cavity optomechanics. <i>Physical Review Research</i> , 2021, 3, .	3.6	18
3	Polaritons on a plane. <i>Nature Physics</i> , 2021, 17, 1084-1085.	16.7	0
4	Optomechanics with levitated particles. <i>Reports on Progress in Physics</i> , 2020, 83, 026401.	20.1	155
5	Quantum sensing and cooling in three-dimensional levitated cavity optomechanics. <i>Physical Review Research</i> , 2020, 2, .	3.6	23
6	Nonvanishing effect of detuning errors in dynamical-decoupling-based quantum sensing experiments. <i>Physical Review A</i> , 2019, 99, .	2.5	13
7	Randomization of Pulse Phases for Unambiguous and Robust Quantum Sensing. <i>Physical Review Letters</i> , 2019, 122, 200403.	7.8	18
8	Quantum Bath Control with Nuclear Spin State Selectivity via Pulse-Adjusted Dynamical Decoupling. <i>Physical Review Letters</i> , 2019, 123, 210401.	7.8	8
9	Imaging Correlations in Heterodyne Spectra for Quantum Displacement Sensing. <i>Physical Review Letters</i> , 2018, 120, 020503.	7.8	13
10	Two-timescale stochastic Langevin propagation for classical and quantum optomechanics. <i>Physical Review A</i> , 2018, 98, .	2.5	1
11	Quantum noise spectra for periodically driven cavity optomechanics. <i>Physical Review A</i> , 2017, 96, .	2.5	9
12	Nonlinear Dynamics and Strong Cavity Cooling of Levitated Nanoparticles. <i>Physical Review Letters</i> , 2016, 117, 173602.	7.8	119
13	Split-sideband spectroscopy in slowly modulated optomechanics. <i>New Journal of Physics</i> , 2016, 18, 113021.	2.9	19
14	Decoherence of nuclear spins in the frozen core of an electron spin. <i>Physical Review B</i> , 2015, 91, .	3.2	14
15	Keeping a spin qubit alive in natural silicon: Comparing optimal working points and dynamical decoupling. <i>Physical Review B</i> , 2015, 91, .	3.2	6
16	Cavity Cooling a Single Charged Levitated Nanosphere. <i>Physical Review Letters</i> , 2015, 114, 123602.	7.8	228
17	Cavity cooling a trapped nanosphere in vacuum. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
18	Quantum-bath-driven decoherence of mixed spin systems. <i>Physical Review B</i> , 2014, 89, .	3.2	30

#	ARTICLE	IF	CITATIONS
19	Quantum control of hybrid nuclear-electronic qubits. Nature Materials, 2013, 12, 103-107.	27.5	51
20	Dynamics of levitated nanospheres: towards the strong coupling regime. New Journal of Physics, 2013, 15, 015001.	2.9	45
21	Measuring central-spin interaction with a spin bath by pulsed ENDOR: Towards suppression of spin diffusion decoherence. Physical Review B, 2012, 86, .	3.2	17
22	Optomechanical cooling of levitated spheres with doubly resonant fields. Physical Review A, 2012, 85, .	2.5	40
23	Analysis of quantum coherence in bismuth-doped silicon: A system of strongly coupled spin qubits. Physical Review B, 2012, 85, .	3.2	33
24	Theoretical analysis of super-Bloch oscillations. Physical Review A, 2011, 83, .	2.5	61
25	Bismuth Qubits in Silicon: The Role of EPR Cancellation Resonances. Physical Review Letters, 2010, 105, 067602.	7.8	49
26	Nonlinear Resonances in Kicked Bose-Einstein Condensates. Physical Review Letters, 2009, 102, 014102.	7.8	16
27	Control of bound-pair transport by periodic driving. Physical Review A, 2009, 80, .	2.5	30
28	Dynamical instability in kicked Bose-Einstein condensates. Physical Review A, 2008, 77, .	2.5	21
29	Directed Motion for Delta-Kicked Atoms with Broken Symmetries: Comparison between Theory and Experiment. Physical Review Letters, 2007, 98, 073002.	7.8	62
30	Fractional α -Scaling for Quantum Kicked Rotors without Cantori. Physical Review Letters, 2007, 99, 234101.	7.8	10
31	Theory of 2π -kicked quantum rotors. Physical Review E, 2006, 73, 066202.	2.1	17
32	Localization-Delocalization Transition in a System of Quantum Kicked Rotors. Physical Review Letters, 2006, 96, 024103.	7.8	27
33	Atoms in Double-Kicked Periodic Potentials: Chaos with Long-Range Correlations. Physical Review Letters, 2004, 93, 223002.	7.8	47
34	Proposal for a Chaotic Ratchet Using Cold Atoms in Optical Lattices. Physical Review Letters, 2002, 89, 194102.	7.8	85
35	Quantum Wells in Tilted Fields: Semiclassical Amplitudes and Phase Coherence Times. Foundations of Physics, 2001, 31, 355-370.	1.3	6
36	Have quantum scars been observed?. Nature, 1997, 387, 863-864.	27.8	18