

Carlos Gonzalez-Ballestero

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,355
citations

471509

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552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1363
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Magnetics Roadmap on Spin-Wave Computing. IEEE Transactions on Magnetics, 2022, 58, 1-72.	2.1	179
2	Towards a quantum interface between spin waves and paramagnetic spin baths. Physical Review B, 2022, 105, .	3.2	11
3	Mechanical Squeezing via Unstable Dynamics in a Microcavity. Physical Review Letters, 2022, 128, 143601.	7.8	24
4	Remote Individual Addressing of Quantum Emitters with Chirped Pulses. Physical Review Letters, 2021, 126, 103602.	7.8	3
5	Effective quantum dynamics induced by a driven two-level-system bath. Physical Review A, 2021, 103, .	2.5	3
6	Quantum size effects in the magnetic susceptibility of a metallic nanoparticle. Physical Review B, 2021, 104, .	3.2	4
7	Non-Markovian Effects of Two-Level Systems in a Niobium Coaxial Resonator with a Single-Photon Lifetime of 10 milliseconds. Physical Review Applied, 2021, 16, .	3.8	13
8	Levitodynamics: Levitation and control of microscopic objects in vacuum. Science, 2021, 374, eabg3027.	12.6	142
9	Theory of waveguide QED with moving emitters. Physical Review A, 2020, 102, .	2.5	3
10	Acoustic and optical properties of a fast-spinning dielectric nanoparticle. Physical Review B, 2020, 101, .	3.2	11
11	Theory of quantum acoustomagnonics and acoustomechanics with a micromagnet. Physical Review B, 2020, 101, .	3.2	35
12	Quantum Acoustomechanics with a Micromagnet. Physical Review Letters, 2020, 124, 093602.	7.8	38
13	Single-Spin Magnetomechanics with Levitated Micromagnets. Physical Review Letters, 2020, 124, 163604.	7.8	60
14	Theory for cavity cooling of levitated nanoparticles via coherent scattering: Master equation approach. Physical Review A, 2019, 100, .	2.5	44
15	Cavity-Based 3D Cooling of a Levitated Nanoparticle via Coherent Scattering. Physical Review Letters, 2019, 122, 123601.	7.8	99
16	Internal quantum dynamics of a nanoparticle in a thermal electromagnetic field: A minimal model. Physical Review B, 2018, 98, .	3.2	15
17	Uncovering nonperturbative dynamics of the biased sub-Ohmic spin-boson model with variational matrix product states. Physical Review B, 2017, 96, .	3.2	9
18	Nonreciprocal few-photon routing schemes based on chiral waveguide-emitter couplings. Physical Review A, 2016, 94, .	2.5	77

#	ARTICLE	IF	CITATIONS
19	Uncoupled Dark States Can Inherit Polaritonic Properties. <i>Physical Review Letters</i> , 2016, 117, 156402.	7.8	59
20	Harvesting excitons through plasmonic strong coupling. <i>Physical Review B</i> , 2015, 92, .	3.2	79
21	Chiral route to spontaneous entanglement generation. <i>Physical Review B</i> , 2015, 92, .	3.2	68
22	Coupling of individual quantum emitters to channel plasmons. <i>Nature Communications</i> , 2015, 6, 7883.	12.8	140
23	Generation, manipulation, and detection of two-qubit entanglement in waveguide QED. <i>Physical Review A</i> , 2014, 89, .	2.5	67
24	Non-Markovian effects in waveguide-mediated entanglement. <i>New Journal of Physics</i> , 2013, 15, 073015.	2.9	67
25	Superradiance mediated by graphene surface plasmons. <i>Physical Review B</i> , 2012, 85, .	3.2	80
26	Numeric and symbolic evaluation of the pfaffian of general skew-symmetric matrices. <i>Computer Physics Communications</i> , 2011, 182, 2213-2218.	7.5	25