

Carlos Gonzalez-Ballester

List of Publications by Year in descending order

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26
papers

1,355
citations

471509

17
h-index

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	Levitodynamics: Levitation and control of microscopic objects in vacuum. Science, 2021, 374, eabg3027.	12.6	142
3	Coupling of individual quantum emitters to channel plasmons. Nature Communications, 2015, 6, 7883.	12.8	140
4	Cavity-Based 3D Cooling of a Levitated Nanoparticle via Coherent Scattering. Physical Review Letters, 2019, 122, 123601.	7.8	99
5	Superradiance mediated by graphene surface plasmons. Physical Review B, 2012, 85, .	3.2	80
6	Harvesting excitons through plasmonic strong coupling. Physical Review B, 2015, 92, .	3.2	79
7	Nonreciprocal few-photon routing schemes based on chiral waveguide-emitter couplings. Physical Review A, 2016, 94, .	2.5	77
8	Chiral route to spontaneous entanglement generation. Physical Review B, 2015, 92, .	3.2	68
9	Non-Markovian effects in waveguide-mediated entanglement. New Journal of Physics, 2013, 15, 073015.	2.9	67
10	Generation, manipulation, and detection of two-qubit entanglement in waveguide QED. Physical Review A, 2014, 89, .	2.5	67
11	Single-Spin Magnetomechanics with Levitated Micromagnets. Physical Review Letters, 2020, 124, 163604.	7.8	60
12	Uncoupled Dark States Can Inherit Polaritonic Properties. Physical Review Letters, 2016, 117, 156402.	7.8	59
13	Theory for cavity cooling of levitated nanoparticles via coherent scattering: Master equation approach. Physical Review A, 2019, 100, .	2.5	44
14	Quantum Acoustomechanics with a Micromagnet. Physical Review Letters, 2020, 124, 093602.	7.8	38
15	Theory of quantum acoustomagnonics and acoustomechanics with a micromagnet. Physical Review B, 2020, 101, .	3.2	35
16	Numeric and symbolic evaluation of the pfaffian of general skew-symmetric matrices. Computer Physics Communications, 2011, 182, 2213-2218.	7.5	25
17	Mechanical Squeezing via Unstable Dynamics in a Microcavity. Physical Review Letters, 2022, 128, 143601.	7.8	24
18	Internal quantum dynamics of a nanoparticle in a thermal electromagnetic field: A minimal model. Physical Review B, 2018, 98, .	3.2	15

#	ARTICLE	IF	CITATIONS
19	Non-Markovian Effects of Two-Level Systems in a Niobium Coaxial Resonator with a Single-Photon Lifetime of 10 milliseconds. <i>Physical Review Applied</i> , 2021, 16, .	3.8	13
20	Acoustic and optical properties of a fast-spinning dielectric nanoparticle. <i>Physical Review B</i> , 2020, 101, .	3.2	11
21	Towards a quantum interface between spin waves and paramagnetic spin baths. <i>Physical Review B</i> , 2022, 105, .	3.2	11
22	Uncovering nonperturbative dynamics of the biased sub-Ohmic spin-boson model with variational matrix product states. <i>Physical Review B</i> , 2017, 96, .	3.2	9
23	Quantum size effects in the magnetic susceptibility of a metallic nanoparticle. <i>Physical Review B</i> , 2021, 104, .	3.2	4
24	Theory of waveguide QED with moving emitters. <i>Physical Review A</i> , 2020, 102, .	2.5	3
25	Remote Individual Addressing of Quantum Emitters with Chirped Pulses. <i>Physical Review Letters</i> , 2021, 126, 103602.	7.8	3
26	Effective quantum dynamics induced by a driven two-level-system bath. <i>Physical Review A</i> , 2021, 103, .	2.5	3