

Roberto De J León-Montiel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3853881/publications.pdf>

Version: 2024-02-01

41
papers

600
citations

623699

14
h-index

610883

24
g-index

42
all docs

42
docs citations

42
times ranked

601
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Model Particle Mixtures Using Machine-Learning-Assisted Laser Diffraction. Photonics, 2022, 9, 74.	2.0	3
2	Experimental Study of the Validity of Entangled Two-Photon Absorption Measurements in Organic Compounds. Journal of Physical Chemistry A, 2022, 126, 2185-2195.	2.5	13
3	Smart quantum statistical imaging beyond the Abbe-Rayleigh criterion. Npj Quantum Information, 2022, 8, .	6.7	9
4	Quantum transport in non-Markovian dynamically disordered photonic lattices. Physical Review A, 2021, 103, .	2.5	5
5	Noise-Assisted Discord-Like Correlations in Light-Harvesting Photosynthetic Complexes. Quantum Reports, 2021, 3, 262-271.	1.3	0
6	Entangled two-photon absorption spectroscopy with varying pump wavelengths. Journal of the Optical Society of America B: Optical Physics, 2021, 38, C63.	2.1	7
7	Multiphoton processes via conditional measurements in the two-field interaction. Journal of Optics (United Kingdom), 2021, 23, 095201.	2.2	0
8	Observation of the modification of quantum statistics of plasmonic systems. Nature Communications, 2021, 12, 5161.	12.8	19
9	Identification of high-risk COVID-19 patients using machine learning. PLoS ONE, 2021, 16, e0257234.	2.5	34
10	Equivalence regimes for geometric quantum discord and local quantum uncertainty. Physical Review A, 2021, 104, .	2.5	3
11	Reconfigurable network for quantum transport simulations. Physical Review Research, 2021, 3, .	3.6	9
12	Identification of light sources using machine learning. Applied Physics Reviews, 2020, 7, 021404.	11.3	46
13	Photochemical dynamics under incoherent illumination: Light harvesting in self-assembled molecular J-aggregates. Journal of Chemical Physics, 2020, 152, 074304.	3.0	5
14	Topological protection in non-Hermitian Haldane honeycomb lattices. Physical Review Research, 2020, 2, .	3.6	13
15	Experimental realization of the classical Dicke model. Physical Review Research, 2020, 2, .	3.6	11
16	Multiphoton synthetic lattices in multiport waveguide arrays: synthetic atoms and Fock graphs. Photonics Research, 2020, 8, 1161.	7.0	13
17	Topological Edge States in Parity-Time-Broken Haldane Honeycomb Lattices. , 2020, , .		0
18	Temperature-Controlled Entangled-Photon Absorption Spectroscopy. Physical Review Letters, 2019, 123, 023601.	7.8	35

#	ARTICLE	IF	CITATIONS
19	Phase Dependent Vectorial Current Control in Symmetric Noisy Optical Ratchets. Physical Review Letters, 2019, 123, 170601.	7.8	3
20	Multiphoton quantum-state engineering using conditional measurements. Npj Quantum Information, 2019, 5, .	6.7	57
21	Two-particle quantum correlations in stochastically-coupled networks. New Journal of Physics, 2019, 21, 053041.	2.9	2
22	Exceptional points of any order in a single, lossy waveguide beam splitter by photon-number-resolved detection. Photonics Research, 2019, 7, 862.	7.0	47
23	Engineering Multiphoton Quantum States using Conditional Measurements. , 2019, , .		1
24	Microparticle transport across optical potentials: noisy ratchets and cavitation bubbles. , 2019, , .		0
25	Multiphoton Discrete Fractional Fourier Operations in Waveguide Beam Splitters. , 2019, , .		0
26	Two-particle four-point correlations in dynamically disordered tight-binding networks. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 024002.	1.5	5
27	Observation of slowly decaying eigenmodes without exceptional points in Floquet dissipative synthetic circuits. Communications Physics, 2018, 1, .	5.3	26
28	Endurance of quantum coherence due to particle indistinguishability in noisy quantum networks. Npj Quantum Information, 2018, 4, .	6.7	35
29	Multiphoton discrete fractional Fourier dynamics in waveguide beam splitters. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1985.	2.1	15
30	Two-photon absorption spectroscopy using intense phase-chirped entangled beams. Chemical Physics, 2018, 510, 54-59.	1.9	12
31	Generation of Photon-Subtracted Two-Mode Squeezed Vacuum States. , 2018, , .		1
32	Multiphoton discrete fractional Fourier operations in waveguide beam splitters. , 2018, , .		0
33	Multiphoton Hong-Ou-Mandel Interferometry with Entangled Photon-Subtracted States. , 2018, , .		1
34	Noise-enabled optical ratchets. Scientific Reports, 2017, 7, 44287.	3.3	15
35	Dynamical Casimir effect in stochastic systems: Photon harvesting through noise. Physical Review A, 2017, 96, .	2.5	17
36	Survival of quantum coherence in Born-Markov Open Quantum Systems. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Observation of noise-assisted energy transport in dynamically disordered photonic lattices. , 2016, , .		1
38	Noise-assisted energy transport in electrical oscillator networks with off-diagonal dynamical disorder. Scientific Reports, 2015, 5, 17339.	3.3	39
39	Importance of Excitation and Trapping Conditions in Photosynthetic Environment-Assisted Energy Transport. Journal of Physical Chemistry B, 2014, 118, 10588-10594.	2.6	46
40	Highly Efficient Noise-Assisted Energy Transport in Classical Oscillator Systems. Physical Review Letters, 2013, 110, 218101.	7.8	34
41	Flux enhancement of photons entangled in orbital angular momentum. Optics Express, 2011, 19, 14108.	3.4	8