

# 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

706676

14  
h-index

685536

24  
g-index

42  
all docs

42  
docs citations

42  
times ranked

668  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Identification of Model Particle Mixtures Using Machine-Learning-Assisted Laser Diffraction. <i>Photonics</i> , 2022, 9, 74.   | 0.9 | 3         |
| 2  | Experimental Study of the Validity of Entangled Two-Photon Absorption Measurements in Organic Compounds. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2185-2195.  | 1.1 | 13        |
| 3  | Smart quantum statistical imaging beyond the Abbe-Rayleigh criterion. <i>Npj Quantum Information</i> , 2022, 8, .  | 2.8 | 9         |
| 4  | Quantum transport in non-Markovian dynamically disordered photonic lattices. <i>Physical Review A</i> , 2021, 103, .   | 1.0 | 5         |
| 5  | Noise-Assisted Discord-Like Correlations in Light-Harvesting Photosynthetic Complexes. <i>Quantum Reports</i> , 2021, 3, 262-271.  | 0.6 | 0         |
| 6  | Entangled two-photon absorption spectroscopy with varying pump wavelengths. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, C63.         | 0.9 | 7         |
| 7  | Multiphoton processes via conditional measurements in the two-field interaction. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 095201.                           | 1.0 | 0         |
| 8  | Observation of the modification of quantum statistics of plasmonic systems. <i>Nature Communications</i> , 2021, 12, 5161.   | 5.8 | 19        |
| 9  | Identification of high-risk COVID-19 patients using machine learning. <i>PLoS ONE</i> , 2021, 16, e0257234.  | 1.1 | 34        |
| 10 | Equivalence regimes for geometric quantum discord and local quantum uncertainty. <i>Physical Review A</i> , 2021, 104, .   | 1.0 | 3         |
| 11 | Reconfigurable network for quantum transport simulations. <i>Physical Review Research</i> , 2021, 3, .   | 1.3 | 9         |
| 12 | Identification of light sources using machine learning. <i>Applied Physics Reviews</i> , 2020, 7, 021404.  | 5.5 | 46        |
| 13 | Photochemical dynamics under incoherent illumination: Light harvesting in self-assembled molecular J-aggregates. <i>Journal of Chemical Physics</i> , 2020, 152, 074304. | 1.2 | 5         |
| 14 | Topological protection in non-Hermitian Haldane honeycomb lattices. <i>Physical Review Research</i> , 2020, 2, .   | 1.3 | 13        |
| 15 | Experimental realization of the classical Dicke model. <i>Physical Review Research</i> , 2020, 2, .  | 1.3 | 11        |
| 16 | Multiphoton synthetic lattices in multiport waveguide arrays: synthetic atoms and Fock graphs. <i>Photonics Research</i> , 2020, 8, 1161.                                | 3.4 | 13        |
| 17 | Topological Edge States in Parity-Time-Broken Haldane Honeycomb Lattices. , 2020, , .  |     | 0         |
| 18 | Temperature-Controlled Entangled-Photon Absorption Spectroscopy. <i>Physical Review Letters</i> , 2019, 123, 023601.   | 2.9 | 35        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Phase Dependent Vectorial Current Control in Symmetric Noisy Optical Ratchets. <i>Physical Review Letters</i> , 2019, 123, 170601.  | 2.9 | 3         |
| 20 | Multiphoton quantum-state engineering using conditional measurements. <i>Npj Quantum Information</i> , 2019, 5, .   | 2.8 | 57        |
| 21 | Two-particle quantum correlations in stochastically-coupled networks. <i>New Journal of Physics</i> , 2019, 21, 053041.   | 1.2 | 2         |
| 22 | Exceptional points of any order in a single, lossy waveguide beam splitter by photon-number-resolved detection. <i>Photonics Research</i> , 2019, 7, 862.                     | 3.4 | 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. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 024002. | 0.6 | 5         |
| 27 | Observation of slowly decaying eigenmodes without exceptional points in Floquet dissipative synthetic circuits. <i>Communications Physics</i> , 2018, 1, .                    | 2.0 | 26        |
| 28 | Endurance of quantum coherence due to particle indistinguishability in noisy quantum networks. <i>Npj Quantum Information</i> , 2018, 4, .                                    | 2.8 | 35        |
| 29 | Multiphoton discrete fractional Fourier dynamics in waveguide beam splitters. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1985.           | 0.9 | 15        |
| 30 | Two-photon absorption spectroscopy using intense phase-chirped entangled beams. <i>Chemical Physics</i> , 2018, 510, 54-59.   | 0.9 | 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. <i>Scientific Reports</i> , 2017, 7, 44287.   | 1.6 | 15        |
| 35 | Dynamical Casimir effect in stochastic systems: Photon harvesting through noise. <i>Physical Review A</i> , 2017, 96, .   | 1.0 | 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.                        | 1.6 | 39        |
| 39 | Importance of Excitation and Trapping Conditions in Photosynthetic Environment-Assisted Energy Transport. Journal of Physical Chemistry B, 2014, 118, 10588-10594. | 1.2 | 46        |
| 40 | Highly Efficient Noise-Assisted Energy Transport in Classical Oscillator Systems. Physical Review Letters, 2013, 110, 218101.                                      | 2.9 | 34        |
| 41 | Flux enhancement of photons entangled in orbital angular momentum. Optics Express, 2011, 19, 14108.  | 1.7 | 8         |