

Raúl A Bustos-Marín

List of Publications by Year in descending order

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26
papers

361
citations

840776

11
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794594

19
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27
all docs

27
docs citations

27
times ranked

311
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Current-induced forces in single-resonance systems. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 175303. | 1.8 | 4 |
| 2 | Role of coherence in quantum-dot-based nanomachines within the Coulomb blockade regime. <i>Physical Review B</i> , 2021, 103, . | 3.2 | 7 |
| 3 | Entropy current and efficiency of quantum machines driven by nonequilibrium incoherent reservoirs. <i>Physical Review B</i> , 2020, 102, . | 3.2 | 5 |
| 4 | Theoretical Analysis of Metallic-Nanodimer Thermoplasmonics for Phototactic Nanoswimmers. <i>ACS Applied Nano Materials</i> , 2020, 3, 1821-1829. | 5.0 | 3 |
| 5 | Thermodynamics and Steady State of Quantum Motors and Pumps Far from Equilibrium. <i>Entropy</i> , 2019, 21, 824. | 2.2 | 15 |
| 6 | Lasing Conditions of Transverse Electromagnetic Modes in Metallic-Coated Micro- and Nanotubes. <i>Journal of Physical Chemistry C</i> , 2019, , . | 3.1 | 7 |
| 7 | Nonequilibrium current-induced forces caused by quantum localization: Anderson adiabatic quantum motors. <i>Physical Review B</i> , 2019, 99, . | 3.2 | 11 |
| 8 | Geometric rectification for nanoscale vibrational energy harvesting. <i>Physical Review B</i> , 2018, 97, . | 3.2 | 4 |
| 9 | Dynamics and decoherence in nonideal Thouless quantum motors. <i>Physical Review B</i> , 2017, 95, . | 3.2 | 17 |
| 10 | Real-time diagrammatic approach to current-induced forces: Application to quantum-dot based nanomotors. <i>Physical Review B</i> , 2017, 96, . | 3.2 | 20 |
| 11 | Spaser and Optical Amplification Conditions in Gold-Coated Active Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24941-24949. | 3.1 | 18 |
| 12 | An efficient coarse-grained approach for the electron transport through large molecular systems under dephasing environment. <i>European Physical Journal B</i> , 2016, 89, 1. | 1.5 | 3 |
| 13 | Decoherence in current induced forces: Application to adiabatic quantum motors. <i>Physical Review B</i> , 2015, 92, . | 3.2 | 23 |
| 14 | Plasmonic graded-chains as deep-subwavelength light concentrators. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 125301. | 1.8 | 1 |
| 15 | Generalized multi-terminal decoherent transport: recursive algorithms and applications to SASER and giant magnetoresistance. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 345304. | 1.8 | 25 |
| 16 | Tailoring Optical Fields Emitted by Subwavelength Nanometric Sources. <i>Plasmonics</i> , 2014, 9, 925-934. | 3.4 | 6 |
| 17 | Adiabatic Quantum Motors. <i>Physical Review Letters</i> , 2013, 111, 060802. | 7.8 | 68 |
| 18 | Excitation-Transfer Plasmonic Nanosensors Based on Dynamical Phase Transitions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18937-18943. | 3.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Calculation of the conodont Color Alteration Index (CAI) for complex thermal histories. International Journal of Coal Geology, 2010, 82, 45-50. | 5.0 | 12 |
| 20 | Buffering plasmons in nanoparticle waveguides at the virtual-localized transition. Physical Review B, 2010, 82, . | 3.2 | 19 |
| 21 | Crucial role of decoherence for electronic transport in molecular wires: Polyaniline as a case study. Physical Review B, 2010, 82, . | 3.2 | 39 |
| 22 | Dynamical regimes of a quantum SWAP gate beyond the Fermi golden rule. Physical Review A, 2008, 78, . | 2.5 | 38 |
| 23 | Building transition probabilities for any condition using reduced cumulative energy transfer functions in H ₂ Oâ€H ₂ O collisions. Journal of Chemical Physics, 2007, 126, 124305. | 3.0 | 1 |
| 24 | Accounting for the dependence of P(Eâ€²,E) on the maximum impact parameter in classical trajectory calculations: Application to the H ₂ Oâ€H ₂ O collisional relaxation. Journal of Chemical Physics, 2007, 127, 154305. | 3.0 | 2 |
| 25 | Second virial coefficients of water beyond the conventional first-order quantum correction. Chemical Physics Letters, 2005, 405, 203-207. | 2.6 | 7 |
| 26 | Fitting complex potential energy surfaces to simple model potentials: Application of the simplex-annealing method. Journal of Computational Chemistry, 2005, 26, 523-531. | 3.3 | 3 |