

Amro Dodin

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

312
citations

933447

10
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996975

15
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all docs

16
docs citations

16
times ranked

396
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Engineering couplings for exciton transport using synthetic DNA scaffolds. <i>CheM</i> , 2021, 7, 752-773. | 11.7 | 50 |
| 2 | Near-Infrared Quantum Dot Emission Enhanced by Stabilized Self-Assembled J-Aggregate Antennas. <i>Nano Letters</i> , 2017, 17, 7665-7674. | 9.1 | 42 |
| 3 | Quantum dynamics of incoherently driven V-type systems: Analytic solutions beyond the secular approximation. <i>Journal of Chemical Physics</i> , 2016, 144, 244108. | 3.0 | 35 |
| 4 | On the design of molecular excitonic circuits for quantum computing: the universal quantum gates. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3048-3057. | 2.8 | 31 |
| 5 | Coherent dynamics of V-type systems driven by time-dependent incoherent radiation. <i>Journal of Chemical Physics</i> , 2016, 145, 244313. | 3.0 | 30 |
| 6 | Exciton-Delocalizing Ligands Can Speed Up Energy Migration in Nanocrystal Solids. <i>Nano Letters</i> , 2018, 18, 3259-3270. | 9.1 | 29 |
| 7 | Secular versus nonsecular Redfield dynamics and Fano coherences in incoherent excitation: An experimental proposal. <i>Physical Review A</i> , 2018, 97, . | 2.5 | 29 |
| 8 | Landau-Zener transitions mediated by an environment: Population transfer and energy dissipation. <i>Journal of Chemical Physics</i> , 2014, 140, 124709. | 3.0 | 20 |
| 9 | Light-induced processes in nature: Coherences in the establishment of the nonequilibrium steady state in model retinal isomerization. <i>Journal of Chemical Physics</i> , 2019, 150, 184304. | 3.0 | 16 |
| 10 | Steady-state Fano coherences in a V-type system driven by polarized incoherent light. <i>Physical Review Research</i> , 2021, 3, . | 3.6 | 11 |
| 11 | Noise-induced coherence in molecular processes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 223001. | 1.5 | 7 |
| 12 | State space distribution and dynamical flow for closed and open quantum systems. <i>Journal of Chemical Physics</i> , 2019, 151, 064106. | 3.0 | 4 |
| 13 | Generalized Adiabatic Theorems: Quantum Systems Driven by Modulated Time-Varying Fields. <i>PRX Quantum</i> , 2021, 2, . | 9.2 | 3 |
| 14 | Trajectory Ensemble Methods Provide Single-Molecule Statistics for Quantum Dynamical Systems. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 2047-2061. | 5.3 | 3 |
| 15 | Theoretical Bounds on Electron Energy Filtering in Disordered Nanomaterials. <i>Nano Letters</i> , 2019, 19, 8441-8446. | 9.1 | 2 |
| 16 | Nonequilibrium Work Relations and Response Theories in Ensemble Quantum Systems. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11151-11157. | 4.6 | 0 |