

Amro Dodin

List of Publications by Year in descending order

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16
papers

312
citations

933447

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996975

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times ranked

396
citing authors

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