

Arend G Dijkstra

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

813
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational Spectroscopic Map, Vibrational Spectroscopy, and Intermolecular Interaction. <i>Chemical Reviews</i> , 2020, 120, 7152-7218.	47.7	205
2	Non-Markovian Entanglement Dynamics in the Presence of System-Bath Coherence. <i>Physical Review Letters</i> , 2010, 104, 250401.	7.8	170
3	Energy transfer in structured and unstructured environments: Master equations beyond the Born-Markov approximations. <i>Journal of Chemical Physics</i> , 2016, 144, 044110.	3.0	92
4	Coherent Exciton Dynamics in the Presence of Underdamped Vibrations. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 627-632.	4.6	63
5	New Insights into the Photophysics of DNA Nucleobases. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4445-4450.	4.6	62
6	The role of the environment time scale in light-harvesting efficiency and coherent oscillations. <i>New Journal of Physics</i> , 2012, 14, 073027.	2.9	31
7	Correlated fluctuations in the exciton dynamics and spectroscopy of DNA. <i>New Journal of Physics</i> , 2010, 12, 055005.	2.9	29
8	Linear and third- and fifth-order nonlinear spectroscopies of a charge transfer system coupled to an underdamped vibration. <i>Journal of Chemical Physics</i> , 2015, 142, 212423.	3.0	23
9	Simulation of photo-excited adenine in water with a hierarchy of equations of motion approach. <i>Journal of Chemical Physics</i> , 2017, 147, 064102.	3.0	23
10	Ultrafast dissolution and creation of bonds in IrTe ₂ induced by photodoping. <i>Science Advances</i> , 2018, 4, eaar3867.	10.3	19
11	Non-Markovianity: initial correlations and nonlinear optical measurements. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 3658-3671.	3.4	17
12	System Bath Correlations and the Nonlinear Response of Qubits. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 063301.	1.6	15
13	Modeling and analyzing a photo-driven molecular motor system: Ratchet dynamics and non-linear optical spectra. <i>Journal of Chemical Physics</i> , 2019, 150, 114103.	3.0	15
14	How two-dimensional brick layer J-aggregates differ from linear ones: Excitonic properties and line broadening mechanisms. <i>Journal of Chemical Physics</i> , 2016, 144, 134310.	3.0	12
15	Spectral Filtering as a Tool for Two-Dimensional Spectroscopy: A Theoretical Model. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6206-6213.	2.5	10
16	Efficient long-distance energy transport in molecular systems through adiabatic passage. <i>Journal of Chemical Physics</i> , 2019, 151, 034114.	3.0	9
17	Controlling a quantum system via its boundary conditions. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	9
18	Quantifying non-Markovianity in underdamped versus overdamped environments and its effect on spectral lineshape. <i>Journal of Chemical Physics</i> , 2019, 151, 174112.	3.0	7

#	ARTICLE	IF	CITATIONS
19	Quantum dissipative systems beyond the standard harmonic model: Features of linear absorption and dynamics. <i>Journal of Chemical Physics</i> , 2019, 151, 164109.	3.0	2