

Davydov-type excitonic effects on the absorption spectrum of herringbone aggregates of pentacene: Time-dependent time-dependent density-functional tight binding

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Triplet dynamic nuclear polarization of nanocrystals dispersed in water at room temperature. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16408-16412.	1.3	12
2	Spectra and nature of the electronic excited states of 2,3-dibromonaphthalene single crystals. <i>Journal of Luminescence</i> , 2019, 213, 108-116.	1.5	3
3	Threshold collision induced dissociation of pyrene cluster cations. <i>Journal of Chemical Physics</i> , 2020, 153, 054311.	1.2	11
4	Density-functional tight-binding: basic concepts and applications to molecules and clusters. <i>Advances in Physics: X</i> , 2020, 5, 1710252.	1.5	53
5	Effect of varying the TD-Ic-DFTB range-separation parameter on charge and energy transfer in a model pentacene/buckminsterfullerene heterojunction. <i>Journal of Chemical Physics</i> , 2021, 154, 054102.	1.2	9
6	Addressing the Frenkel and charge transfer character of exciton states with a model Hamiltonian based on dimer calculations: Application to large aggregates of perylene bisimide. <i>Journal of Chemical Physics</i> , 2021, 154, 124101.	1.2	15
7	How the Size and Density of Charge-Transfer Excitons Depend on Heterojunction's Architecture. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5458-5474.	1.5	6
8	Bright Frenkel Excitons in Molecular Crystals: A Survey. <i>Chemistry of Materials</i> , 2021, 33, 3368-3378.	3.2	22
9	Spectra and nature of the electronic states of [1]Benzothieno[3,2-b][1]benzothiophene (BTBT): Single crystal and the aggregates. <i>Journal of Chemical Physics</i> , 2021, 155, 034504.	1.2	2
10	On the Low-Lying Electronically Excited States of Azobenzene Dimers: Transition Density Matrix Analysis. <i>Molecules</i> , 2021, 26, 4245.	1.7	9
11	Exploring the Concept of Dimerization-Induced Intersystem Crossing: At the Origins of Spin-Orbit Coupling Selection Rules. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8572-8580.	1.2	8
12	Impact of Charge-Resonance Excitations on CT-Mediated J-Type Aggregation in Singlet and Triplet Exciton States of Perylene Di-Imide Aggregates: A TDDFT Investigation. <i>Computation</i> , 2022, 10, 18.	1.0	4
13	Strong exciton bandwidth reduction in pentacene as a function of temperature. <i>Physical Review B</i> , 2022, 106, .	1.1	4
14	Intermolecular Interactions and Charge Resonance Contributions to Triplet and Singlet Exciton States of Oligoacene Aggregates. <i>Molecules</i> , 2023, 28, 119.	1.7	1
16	Addressing electronic and dynamical evolution of molecules and molecular clusters: DFTB simulations of energy relaxation in polycyclic aromatic hydrocarbons. <i>Physical Chemistry Chemical Physics</i> , 2024, 26, 1499-1515.	1.3	0