

# Interference between Coulombic and CT-mediated coupling in J-aggregate transformation in perylene-based $\pi$ -stacks

Journal of Chemical Physics

143, 244707

DOI: 10.1063/1.4938012

Citation Report

#	ARTICLE	IF	CITATIONS
1	Tuning the role of charge-transfer states in intramolecular singlet exciton fission through side-group engineering. <i>Nature Communications</i> , 2016, 7, 13622.	5.8	157
2	Exciton-Vibrational Couplings in Homo- and Heterodimer Stacks of Perylene Bisimide Dyes within Cyclophanes: Studies on Absorption Properties and Theoretical Analysis. <i>Chemistry - A European Journal</i> , 2016, 22, 15011-15018.	1.7	17
3	Extended-Charge-Transfer Excitons in Crystalline Supramolecular Photocatalytic Scaffolds. <i>Journal of the American Chemical Society</i> , 2016, 138, 11762-11774.	6.6	91
4	Optical properties of regioregular poly(3-hexylthiophene) aggregates from fully atomistic investigations. <i>CrystEngComm</i> , 2016, 18, 7297-7304.	1.3	8
5	Determining the spatial coherence of excitons from the photoluminescence spectrum in charge-transfer J-aggregates. <i>Chemical Physics</i> , 2016, 481, 262-271.	0.9	14
6	Molecular Aggregate Photophysics beyond the Kasha Model: Novel Design Principles for Organic Materials. <i>Accounts of Chemical Research</i> , 2017, 50, 341-350.	7.6	441
7	Solvent-Templated Folding of Perylene Bisimide Macrocycles into Coiled Double-String Ropes with Solvent-Sensitive Optical Signatures. <i>Journal of the American Chemical Society</i> , 2017, 139, 2014-2021.	6.6	43
8	Enhanced Davydov Splitting in Crystals of a Perylene Diimide Derivative. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1118-1123.	2.1	37
9	Poly[2,5-bis(3-dodecylthiophen-2-yl)thieno[3,2-b]thiophene] Oligomer Single-Crystal Nanowires from Supercritical Solution and Their Anisotropic Exciton Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2984-2989.	2.1	2
10	Improving the Quantum Yields of Perylene Diimide Aggregates by Increasing Molecular Hydrophobicity in Polar Media. <i>ChemPhysChem</i> , 2017, 18, 2430-2441.	1.0	10
11	Enhancing Singlet Fission Dynamics by Suppressing Destructive Interference between Charge-Transfer Pathways. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2480-2488.	2.1	35
12	pH-Directed Aggregation to Control Photoconductivity in Self-Assembled Perylene Bisimides. <i>Chem</i> , 2017, 2, 716-731.	5.8	53
13	Characterization of Excimer Relaxation via Femtosecond Shortwave- and Mid-Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2017, 121, 784-792.	1.1	42
14	Quantum Interference in Singlet Fission: J- and H-Aggregate Behavior. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5105-5112.	2.1	37
15	Disentangling "Bright" and "Dark" Interactions in Ordered Assemblies of Organic Semiconductors. <i>Nano Letters</i> , 2017, 17, 6949-6953.	4.5	5
16	All-Polymer Photonic Microcavities Doped with Perylene Bisimide J-Aggregates. <i>Advanced Optical Materials</i> , 2017, 5, 1700523.	3.6	51
17	Exciton Transport in Molecular Aggregates " From Natural Antennas to Synthetic Chromophore Systems. <i>Advanced Energy Materials</i> , 2017, 7, 1700236.	10.2	249
18	Rational design of doubly-bridged chromophores for singlet fission and triplet-triplet annihilation. <i>RSC Advances</i> , 2017, 7, 34830-34845.	1.7	15

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20	Solvatochromism in perylene diimides; experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31781-31787.	1.3	6
21	Spotlight on Excitonic Coupling in Polymorphic and Textured Anilino Squaraine Thin Films. <i>Crystal Growth and Design</i> , 2017, 17, 6455-6466.	1.4	36
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26	Charge-Transfer Character in a Covalent Diketopyrrolopyrrole Dimer: Implications for Singlet Fission. <i>ChemPhotoChem</i> , 2018, 2, 223-233.	1.5	37
27	Singlet Fission Involves an Interplay between Energetic Driving Force and Electronic Coupling in Perylenediimide Films. <i>Journal of the American Chemical Society</i> , 2018, 140, 814-826.	6.6	167
28	Null Exciton Splitting in Chromophoric Greek Cross(+) Aggregate. <i>Angewandte Chemie</i> , 2018, 130, 15922-15927.	1.6	11
29	Null Exciton Splitting in Chromophoric Greek Cross(+) Aggregate. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15696-15701.	7.2	68
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35	Solvent and Structural Fluctuations Induced Symmetry-Breaking Charge Transfer in a Porphyrin Triad. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19409-19415.	1.5	32
36	The hierarchical and perturbative forms of stochastic Schrödinger equations and their applications to carrier dynamics in organic materials. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2019, 9, e1375.	6.2	23

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56	Vibronic exciton model for low bandgap donor-acceptor polymers. <i>Journal of Chemical Physics</i> , 2020, 153, 244901.	1.2	19
57	Light-directed trapping of metastable intermediates in a self-assembly process. <i>Nature Communications</i> , 2020, 11, 6260.	5.8	15
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73	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets. <i>Angewandte Chemie</i> , 2021, 133, 12056-12065.	1.6	19
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