

Dylan H Arias

List of Publications by Year in descending order

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1578
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#	ARTICLE	IF	CITATIONS
1	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.	13.7	167
2	Polymorphism influences singlet fission rates in tetracene thin films. <i>Chemical Science</i> , 2016, 7, 1185-1191.	7.4	114
3	Robust excitons inhabit soft supramolecular nanotubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3367-75.	7.1	100
4	Control of Energy Flow Dynamics between Tetracene Ligands and PbS Quantum Dots by Size Tuning and Ligand Coverage. <i>Nano Letters</i> , 2018, 18, 865-873.	9.1	62
5	Thermally-Limited Exciton Delocalization in Superradiant Molecular Aggregates. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4553-4559.	2.6	51
6	Coherent Exciton Dynamics in Supramolecular Light-Harvesting Nanotubes Revealed by Ultrafast Quantum Process Tomography. <i>ACS Nano</i> , 2014, 8, 5527-5534.	14.6	46
7	Persistent exciton-type many-body interactions in GaAs quantum wells measured using two-dimensional optical spectroscopy. <i>Physical Review B</i> , 2012, 85, .	3.2	44
8	Dynamics of singlet fission and electron injection in self-assembled acene monolayers on titanium dioxide. <i>Chemical Science</i> , 2018, 9, 3004-3013.	7.4	41
9	Solvent-Controlled Branching of Localized versus Delocalized Singlet Exciton States and Equilibration with Charge Transfer in a Structurally Well-Defined Tetracene Dimer. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9229-9242.	2.5	36
10	Diameter-Dependent Optical Absorption and Excitation Energy Transfer from Encapsulated Dye Molecules toward Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2018, 12, 6881-6894.	14.6	33
11	Controlling Long-Lived Triplet Generation from Intramolecular Singlet Fission in the Solid State. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 6086-6091.	4.6	31
12	Direct Measurements of Carrier Transport in Polycrystalline Methylammonium Lead Iodide Perovskite Films with Transient Grating Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5710-5717.	4.6	26
13	Long-Lived Charge Separation at Heterojunctions between Semiconducting Single-Walled Carbon Nanotubes and Perylene Diimide Electron Acceptors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14150-14161.	3.1	18
14	Effect of nanotube coupling on exciton transport in polymer-free monochiral semiconducting carbon nanotube networks. <i>Nanoscale</i> , 2019, 11, 21196-21206.	5.6	17
15	Photobleaching dynamics in small molecule <i>vs.</i> polymer organic photovoltaic blends with 1,7-bis-trifluoromethylfullerene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4623-4628.	10.3	16
16	Coherent two-exciton dynamics measured using two-quantum rephasing two-dimensional electronic spectroscopy. <i>Physical Review B</i> , 2011, 84, .	3.2	14