

Christopher J Collison

List of Publications by Year in descending order

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997
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687363

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times ranked

1421
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#	ARTICLE	IF	CITATIONS
1	Correction to "Confirmation of the Origins of Panchromatic Spectra in Squaraine Thin Films Targeted for Organic Photovoltaic Devices". <i>Journal of Physical Chemistry C</i> , 2022, 126, 11436-11437.	3.1	0
2	Measurement and Theoretical Interpretation of Exciton Diffusion as a Function of Intermolecular Separation for Squaraines Targeted for Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4032-4043.	3.1	14
3	Davydov Splitting in Squaraine Dimers. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18734-18745.	3.1	41
4	Non-Kasha Behavior in Quadrupolar Dye Aggregates: The Red-Shifted H-Aggregate. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3203-3215.	3.1	56
5	Nanoscale characterization of squaraine-fullerene-based photovoltaic active layers by atomic force microscopy mechanical and electrical property mapping. <i>Thin Solid Films</i> , 2019, 669, 120-132.	1.8	10
6	An experimental and computational study of donor-linker-acceptor block copolymers for organic photovoltaics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1135-1143.	2.1	4
7	Small Molecule with Extended Alkyl Side Substituents for Organic Solar Cells. <i>MRS Advances</i> , 2017, 2, 2253-2259.	0.9	1
8	Impact of Alkyl Chain Length on Small Molecule Crystallization and Nanomorphology in Squaraine-Based Solution Processed Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7750-7760.	3.1	25
9	Phase separation, crystallinity and monomer-aggregate population control in solution processed small molecule solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 366-376.	6.2	22
10	Water Based Inkjet Material Deposition of Donor-Acceptor Nanocomposites for Usage in Organic Photovoltaics. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1761, 1.	0.1	0
11	Confirmation of the Origins of Panchromatic Spectra in Squaraine Thin Films Targeted for Organic Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18964-18974.	3.1	59
12	Contribution of Aggregate States and Energetic Disorder to a Squaraine System Targeted for Organic Photovoltaic Devices. <i>Langmuir</i> , 2015, 31, 7717-7726.	3.5	37
13	Controlling aggregate formation for increased short-circuit current and power conversion efficiency with a squaraine donor. <i>Progress in Photovoltaics: Research and Applications</i> , 2014, 22, 488-493.	8.1	31
14	Critical Electron Transfer Rates for Exciton Dissociation Governed by Extent of Crystallinity in Small Molecule Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14840-14847.	3.1	20
15	The effect of controllable thin film crystal growth on the aggregation of a novel high panchromaticity squaraine viable for organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013, 112, 202-208.	6.2	31
16	A New Model for Quantifying the Extent of Interaction between Soluble Polyphenylene-Vinylenes and Single-Walled Carbon Nanotubes in Solvent Dispersions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11002-11009.	2.6	14
17	Spectroscopic Evidence for Interaction of Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] Conformers and Single-Walled Carbon Nanotubes in Solvent Dispersions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5809-5815.	2.6	13
18	Complexation between Rhodamine 101 and Single-Walled Carbon Nanotubes Indicative of Solvent-Nanotube Interaction Strength. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15144-15150.	3.1	15

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19	Conformational Effects on the Photophysics of Conjugated Polymers: A Two Species Model for MEH-PPV Spectroscopy and Dynamics. <i>Macromolecules</i> , 2001, 34, 2346-2352.	4.8	242
20	Aggregation Quenching of Luminescence in Electroluminescent Conjugated Polymers. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2394-2398.	2.5	358
21	Effect of thermal annealing on aggregation of a squaraine thin film. <i>MRS Advances</i> , 0, , 1.	0.9	4