Christopher J Collison

List of Publications by Year
in descending order

21 papers	997 citations	687363 13 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	1421 citing authors

#	Article	IF	Citations
1	Aggregation Quenching of Luminescence in Electroluminescent Conjugated Polymers. Journal of Physical Chemistry A, 1999, 103, 2394-2398.	2.5	358
2	Conformational Effects on the Photophysics of Conjugated Polymers:Â A Two Species Model for MEHâ˜PPV Spectroscopy and Dynamics. Macromolecules, 2001, 34, 2346-2352.	4.8	242
3	Confirmation of the Origins of Panchromatic Spectra in Squaraine Thin Films Targeted for Organic Photovoltaic Devices. Journal of Physical Chemistry C, 2015, 119, 18964-18974.	3.1	59
4	Non-Kasha Behavior in Quadrupolar Dye Aggregates: The Red-Shifted H-Aggregate. Journal of Physical Chemistry C, 2019, 123, 3203-3215.	3.1	56
5	Davydov Splitting in Squaraine Dimers. Journal of Physical Chemistry C, 2019, 123, 18734-18745.	3.1	41
6	Contribution of Aggregate States and Energetic Disorder to a Squaraine System Targeted for Organic Photovoltaic Devices. Langmuir, 2015, 31, 7717-7726.	3.5	37
7	The effect of controllable thin film crystal growth on the aggregation of a novel high panchromaticity squaraine viable for organic solar cells. Solar Energy Materials and Solar Cells, 2013, 112, 202-208.	6.2	31
8	Controlling Jâ€aggregate formation for increased shortâ€circuit current and power conversion efficiency with a squaraine donor. Progress in Photovoltaics: Research and Applications, 2014, 22, 488-493.	8.1	31
9	Impact of Alkyl Chain Length on Small Molecule Crystallization and Nanomorphology in Squaraine-Based Solution Processed Solar Cells. Journal of Physical Chemistry C, 2017, 121, 7750-7760.	3.1	25
10	Phase separation, crystallinity and monomer-aggregate population control in solution processed small molecule solar cells. Solar Energy Materials and Solar Cells, 2016, 157, 366-376.	6.2	22
11	Critical Electron Transfer Rates for Exciton Dissociation Governed by Extent of Crystallinity in Small Molecule Organic Photovoltaics. Journal of Physical Chemistry C, 2014, 118, 14840-14847.	3.1	20
12	Complexation between Rhodamine 101 and Single-Walled Carbon Nanotubes Indicative of Solventâ˜Nanotube Interaction Strength. Journal of Physical Chemistry C, 2008, 112, 15144-15150.	3.1	15
13	A New Model for Quantifying the Extent of Interaction between Soluble Polyphenylene-Vinylenes and Single-Walled Carbon Nanotubes in Solvent Dispersions. Journal of Physical Chemistry B, 2010, 114, 11002-11009.	2.6	14
14	Measurement and Theoretical Interpretation of Exciton Diffusion as a Function of Intermolecular Separation for Squaraines Targeted for Bulk Heterojunction Solar Cells. Journal of Physical Chemistry C, 2020, 124, 4032-4043.	3.1	14
15	Spectroscopic Evidence for Interaction of Poly[2-methoxy-5-(2â€²-ethylhexyloxy)-1,4-phenylenevinylene] Conformers and Single-Walled Carbon Nanotubes in Solvent Dispersions. Journal of Physical Chemistry B, 2009, 113, 5809-5815.	2.6	13
16	Nanoscale characterization of squaraine-fullerene-based photovoltaic active layers by atomic force microscopy mechanical and electrical property mapping. Thin Solid Films, 2019, 669, 120-132.	1.8	10
17	An experimental and computational study of donorâ€“linkerâ€“acceptor block copolymers for organic photovoltaics. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1135-1143.	2.1	4
18	Effect of thermal annealing on aggregation of a squaraine thin film. MRS Advances, 0, , 1.	0.9	4

#	Article	IF	Citations
19	Small Molecule with Extended Alkyl Side Substituents for Organic Solar Cells. MRS Advances, 2017, 2, 2253-2259.	0.9	1
20	Water Based Inkjet Material Deposition of Donor-Acceptor Nanocomposites for Usage in Organic Photovoltaics. Materials Research Society Symposia Proceedings, 2015, 1761, 1.	0.1	0
21	Correction to â€œConfirmation of the Origins of Panchromatic Spectra in Squaraine Thin Films Targeted for Organic Photovoltaic Devicesâ€. Journal of Physical Chemistry C, 2022, 126, 11436-11437.	3.1	0