

Gavin E Collis

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

540
citations

759233

12
h-index

940533

16
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16
all docs

16
docs citations

16
times ranked

1066
citing authors

#	ARTICLE	IF	CITATIONS
1	Indan-1,3-dione electron-acceptor small molecules for solution-processable solar cells: a structure–property correlation. <i>Chemical Communications</i> , 2013, 49, 6307.	4.1	106
2	Dibenzo[b,def]chrysene Derivatives: Solution-Processable Small Molecules that Deliver High Power-Conversion Efficiencies in Bulk Heterojunction Solar Cells. <i>Chemistry of Materials</i> , 2009, 21, 5701-5703.	6.7	98
3	Temperature-Mediated Polymorphism in Molecular Crystals: The Impact on Crystal Packing and Charge Transport. <i>Chemistry of Materials</i> , 2015, 27, 112-118.	6.7	72
4	Toward Functionalized Conducting Polymers: Synthesis and Characterization of Novel $\hat{2}$ -(Styryl)terthiophenes. <i>Journal of Organic Chemistry</i> , 2003, 68, 8974-8983.	3.2	67
5	$\hat{2}$ -Terthiophene aldehyde and phosphonate: key building blocks for the synthesis of functionalised conducting polymers. <i>Tetrahedron Letters</i> , 2001, 42, 8733-8735.	1.4	31
6	Presence of Short Intermolecular Contacts Screens for Kinetic Stability in Packing Polymorphs. <i>Journal of the American Chemical Society</i> , 2018, 140, 7519-7525.	13.7	29
7	The design and synthesis of porphyrin/oligothiophene hybrid monomers. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2075.	2.8	28
8	An N-ethylated barbituric acid end-capped bithiophene as an electron-acceptor material in fullerene-free organic photovoltaics. <i>Chemical Communications</i> , 2015, 51, 6222-6225.	4.1	20
9	The impact of tetrahedral capping groups and device processing conditions on the crystal packing, thin film features and OFET hole mobility of 7,14-bis(ethynyl)dibenzo[b,def]chrysenes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6299.	5.5	17
10	<i>N</i> -Alkyl functionalized barbituric and thiobarbituric acid bithiophene derivatives for vacuum deposited n-channel OFETs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3895-3899.	5.5	15
11	Chemically Altering the Solubility and Durability of Dyes for Sensitized Solar Cells. <i>Organic Letters</i> , 2015, 17, 4022-4025.	4.6	14
12	Towards materials discovery: assays for screening and study of chemical interactions of novel corrosion inhibitors in solution and coatings. <i>New Journal of Chemistry</i> , 2020, 44, 7647-7658.	2.8	14
13	A modular procedure for the synthesis of functionalised $\hat{2}$ -substituted terthiophene monomers for conducting polymer applications. <i>Tetrahedron</i> , 2007, 63, 11141-11152.	1.9	12
14	Supercritical carbon dioxide as a solvent for deposition of a tailored dye in dye sensitized solar cells. <i>Green Chemistry</i> , 2011, 13, 3329.	9.0	8
15	7-Bromoquinolin-8-ol. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o443-o444.	0.4	6
16	The interaction of several fluorinated ionic liquids on the LiF(001) surface. <i>Surfaces and Interfaces</i> , 2021, 22, 100836.	3.0	3