

Elisa Collado-Fregoso

List of Publications by Year in descending order

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12
papers

535
citations

933447

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1199594

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docs citations

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times ranked

1234
citing authors

#	ARTICLE	IF	CITATIONS
1	A Thieno[3,2- <i>b</i>][1]benzothiophene Isoindigo Building Block for Additive- and Annealing-Free High-Performance Polymer Solar Cells. <i>Advanced Materials</i> , 2015, 27, 4702-4707.	21.0	120
2	Natures of optical absorption transitions and excitation energy dependent photostability of diketopyrrolopyrrole (DPP)-based photovoltaic copolymers. <i>Energy and Environmental Science</i> , 2015, 8, 3222-3232.	30.8	90
3	Thieno[3,2- <i>b</i>]thiophene-diketopyrrolopyrrole Containing Polymers for Inverted Solar Cells Devices with High Short Circuit Currents. <i>Advanced Functional Materials</i> , 2013, 23, 5647-5654.	14.9	78
4	Isostructural, Deeper Highest Occupied Molecular Orbital Analogues of Poly(3-hexylthiophene) for High-Open Circuit Voltage Organic Solar Cells. <i>Chemistry of Materials</i> , 2013, 25, 4239-4249.	6.7	55
5	Energy-Gap Law for Photocurrent Generation in Fullerene-Based Organic Solar Cells: The Case of Low-Donor-Content Blends. <i>Journal of the American Chemical Society</i> , 2019, 141, 2329-2341.	13.7	54
6	Increased Exciton Dipole Moment Translates into Charge-Transfer Excitons in Thiophene-Fluorinated Low-Bandgap Polymers for Organic Photovoltaic Applications. <i>Chemistry of Materials</i> , 2015, 27, 7934-7944.	6.7	46
7	Optimisation of diketopyrrolopyrrole:fullerene solar cell performance through control of polymer molecular weight and thermal annealing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19282-19289.	10.3	25
8	Charge Separation in Intermixed Polymer:PC ₇₀ BM Photovoltaic Blends: Correlating Structural and Photophysical Length Scales as a Function of Blend Composition. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9790-9801.	3.1	20
9	Intercalated vs Nonintercalated Morphologies in Donor-Acceptor Bulk Heterojunction Solar Cells: PBTTT:Fullerene Charge Generation and Recombination Revisited. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4061-4068.	4.6	15
10	Photophysical Study of DPPTT/PC ₇₀ BM Blends and Solar Devices as a Function of Fullerene Loading: An Insight into EQE Limitations of DPP-Based Polymers. <i>Advanced Functional Materials</i> , 2017, 27, 1604426.	14.9	13
11	Alkyl Branching Position in Diketopyrrolopyrrole Polymers: Interplay between Fibrillar Morphology and Crystallinity and Their Effect on Photogeneration and Recombination in Bulk-Heterojunction Solar Cells. <i>Chemistry of Materials</i> , 2018, 30, 6801-6809.	6.7	13
12	Impact of Fullerene Intercalation on Structural and Thermal Properties of Organic Photovoltaic Blends. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20976-20985.	3.1	6