Elisa Collado-Fregoso

List of Publications by Year
in descending order

12	535	933447 10	1199594 12
papers	citations	h-index	g-index

12	12	12	1234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy-Gap Law for Photocurrent Generation in Fullerene-Based Organic Solar Cells: The Case of Low-Donor-Content Blends. Journal of the American Chemical Society, 2019, 141, 2329-2341.	13.7	54
2	Alkyl Branching Position in Diketopyrrolopyrrole Polymers: Interplay between Fibrillar Morphology and Crystallinity and Their Effect on Photogeneration and Recombination in Bulk-Heterojunction Solar Cells. Chemistry of Materials, 2018, 30, 6801-6809.	6.7	13
3	Charge Separation in Intermixed Polymer:PC₇₀BM Photovoltaic Blends: Correlating Structural and Photophysical Length Scales as a Function of Blend Composition. Journal of Physical Chemistry C, 2017, 121, 9790-9801.	3.1	20
4	Photophysical Study of DPPTTâ€T/PC₇₀BM Blends and Solar Devices as a Function of Fullerene Loading: An Insight into EQE Limitations of DPPâ€Based Polymers. Advanced Functional Materials, 2017, 27, 1604426.	14.9	13
5	Impact of Fullerene Intercalation on Structural and Thermal Properties of Organic Photovoltaic Blends. Journal of Physical Chemistry C, 2017, 121, 20976-20985.	3.1	6
6	Intercalated vs Nonintercalated Morphologies in Donorâ€“Acceptor Bulk Heterojunction Solar Cells: PBTTT:Fullerene Charge Generation and Recombination Revisited. Journal of Physical Chemistry Letters, 2017, 8, 4061-4068.	4.6	15
7	A Thieno[3,2â€b][1]benzothiophene Isoindigo Building Block for Additiveâ€and Annealingâ€Free Highâ€Performance Polymer Solar Cells. Advanced Materials, 2015, 27, 4702-4707.	21.0	120
8	Increased Exciton Dipole Moment Translates into Charge-Transfer Excitons in Thiophene-Fluorinated Low-Bandgap Polymers for Organic Photovoltaic Applications. Chemistry of Materials, 2015, 27, 7934-7944.	6.7	46
9	Natures of optical absorption transitions and excitation energy dependent photostability of diketopyrrolopyrrole (DPP)-based photovoltaic copolymers. Energy and Environmental Science, 2015, 8, 3222-3232.	30.8	90
10	Optimisation of diketopyrrolopyrrole:fullerene solar cell performance through control of polymer molecular weight and thermal annealing. Journal of Materials Chemistry A, 2014, 2, 19282-19289.	10.3	25
11	Isostructural, Deeper Highest Occupied Molecular Orbital Analogues of Poly(3-hexylthiophene) for High-Open Circuit Voltage Organic Solar Cells. Chemistry of Materials, 2013, 25, 4239-4249.	6.7	55
12	Thieno[3,2â€b]thiopheneâ€diketopyrrolopyrrole Containing Polymers for Inverted Solar Cells Devices with High Short Circuit Currents. Advanced Functional Materials, 2013, 23, 5647-5654.	14.9	78