

Leandro Benatto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

136
citations

7
h-index

11
g-index

15
ext. papers

179
ext. citations

4.5
avg, IF

3.46
L-index

#	Paper	IF	Citations
14	Effects of Fluorination on Exciton Binding Energy and Charge Transport of π -Conjugated Donor Polymers and the ITIC Molecular Acceptor: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6395-6406	3.8	24
13	Charge Transfer Dynamics and Device Performance of Environmentally Friendly Processed Nonfullerene Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4776-4785	6.1	19
12	Molecular origin of efficient hole transfer from non-fullerene acceptors: insights from first-principles calculations. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12180-12193	7.1	17
11	Conformational Change on a Bithiophene-Based Copolymer Induced by Additive Treatment: Application in Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16035-16044	3.8	17
10	Comparing C60 and C70 as acceptor in organic solar cells: Influence of the electronic structure and aggregation size on the photovoltaic characteristics. <i>Thin Solid Films</i> , 2020 , 697, 137827	2.2	16
9	Kinetic model for photoluminescence quenching by selective excitation of D/A blends: implications for charge separation in fullerene and non-fullerene organic solar cells. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8755-8769	7.1	11
8	Driving Force for Exciton Dissociation in Organic Solar Cells: The Influence of Donor and Acceptor Relative Orientation. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13580-13591	3.8	9
7	Electronic and structural properties of fluorene-thiophene copolymers as function of the composition ratio between the moieties: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 20447-20458	3.6	6
6	Kinetic Modeling of the Electric Field Dependent Exciton Quenching at the Donor/Acceptor Interface. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 4436-4448	3.8	5
5	Correlation between structural and optical characteristics of conjugated copolymers differing by a Si bridge atom. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 19923-19931	3.6	4
4	Effects of non-halogenated solvent on the main properties of a solution-processed polymeric thin film for photovoltaic applications: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 9693-9702	3.6	4
3	Understanding the effect of solvent additive in polymeric thin film: turning a bilayer into a bulk heterojunction-like photovoltaic device. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 365101	3	2
2	Conditions for efficient charge generation preceded by energy transfer process in non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 27568-27585	13	2
1	Binding Energy of Triplet Excitons in Nonfullerene Acceptors: The Effects of Fluorination and Chlorination.. <i>Journal of Physical Chemistry A</i> , 2022 , 126, 1393-1402	2.8	0