Leonardo Evaristo de Sousa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9600008/publications.pdf

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28	252	933447 10	1058476 14
papers	citations	h-index	g-index

30	30	30	263
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A New Entry to Purely Organic Thermally Activated Delayed Fluorescence Emitters Based on Pyrido[2,3â€b]pyrazineâ€Dihydrophenazasilines Donorâ€Acceptor Dyad. Asian Journal of Organic Chemistry, 2022, 11, .	2.7	7
2	The regioisomeric effect on the excited-state fate leading to room-temperature phosphorescence or thermally activated delayed fluorescence in a dibenzophenazine-cored donorâ€“acceptorâ€“donor system. Journal of Materials Chemistry C, 2022, 10, 4905-4913.	5.5	18
3	Triplet-to-singlet exciton transfer in hyperfluorescent OLED materials. Journal of Materials Chemistry C, 2022, 10, 4914-4922.	5.5	7
4	Dual-photofunctional organogermanium compound based on donorâ€“acceptorâ€“donor architecture. Chemical Communications, 2022, 58, 5889-5892.	4.1	11
5	Comparative study of thermally activated delayed fluorescent properties of donorâ€“acceptor and donorâ€“acceptorâ€“donor architectures based on phenoxazine and dibenzo[a,j]phenazine. Beilstein Journal of Organic Chemistry, 2022, 18, 459-468.	2.2	2
6	Revealing the internal heavy chalcogen atom effect on the photophysics of the dibenzo[a,j]phenazine-cored donorâ€“acceptorâ€“donor triad. Journal of Materials Chemistry C, 2021, 9, 13942-13953.	5.5	29
7	Charge localization and hopping in a topologically engineered graphene nanoribbon. Scientific Reports, 2021, 11, 5142.	3.3	5
8	Unified Framework for Photophysical Rate Calculations in TADF Molecules. Journal of Chemical Theory and Computation, 2021, 17, 5816-5824.	5.3	19
9	Assessing the effects of increasing conjugation length on exciton diffusion: from small molecules to the polymeric limit. Physical Chemistry Chemical Physics, 2021, 23, 15635-15644.	2.8	4
10	Ultrafast direct generation of quasiparticles in graphene nanoribbons. Carbon, 2020, 158, 553-558.	10.3	15
11	A Genetic Algorithm Approach to Design Principles for Organic Photovoltaic Materials. Advanced Theory and Simulations, 2020, 3, 2000042.	2.8	3
12	Smooth gap tuning strategy for cove-type graphene nanoribbons. RSC Advances, 2020, 10, 26937-26943.	3.6	10
13	Kinetic Monte Carlo model for the COVID-19 epidemic: Impact of mobility restriction on a COVID-19 outbreak. Physical Review E, 2020, 102, 032133.	2.1	15
14	Choice of Solubilizing Group Is Determinant for Exciton Diffusion Length in Organic Crystals. Journal of Physical Chemistry C, 2020, 124, 5522-5527.	3.1	2
15	On the Physical Origins of Charge Separation at Donorâ€“Acceptor Interfaces in Organic Solar Cells: Energy Bending versus Energy Disorder. Advanced Theory and Simulations, 2020, 3, 1900230.	2.8	11
16	Tuning Penta-Graphene Electronic Properties Through Engineered Line Defects. Scientific Reports, 2020, 10, 8014.	3.3	15
17	Role of Exciton Density in Organic Materials: Diffusion Length, Lifetime, and Quantum Efficiency. Chemistry of Materials, 2019, 31, 6818-6823.	6.7	8
18	Dynamical exciton decay in organic materials: the role of bimolecular recombination. Physical Chemistry Chemical Physics, 2019, 21, 1711-1716.	2.8	1

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19	Fast predictions of exciton diffusion length in organic materials. Journal of Materials Chemistry C, 2019, 7, 4066-4071.	5.5	13
20	Effective Mass of Quasiparticles in Armchair Graphene Nanoribbons. Scientific Reports, 2019, 9, 17990.	3.3	5
21	Concentration effects on the thermally-activated transport of polarons in conducting polymers. Chemical Physics Letters, 2019, 716, 162-166.	2.6	6
22	Biexciton cascade emission in multilayered organic nanofibers. Applied Physics Letters, 2018, 112, 143301.	3.3	6
23	Optical properties of P3HT and N2200 polymers: a performance study of an optimally tuned DFT functional. Journal of Molecular Modeling, 2018, 24, 32.	1.8	1
24	Exciton Diffusion in Organic Nanofibers: A Monte Carlo Study on the Effects of Temperature and Dimensionality. Scientific Reports, 2018, 8, 14066.	3.3	9
25	Activation Energies and Diffusion Coefficients of Polarons and Bipolarons in Organic Conductors. Journal of Physical Chemistry A, 2018, 122, 5925-5930.	2.5	4
26	Modeling temperature dependent singlet exciton dynamics in multilayered organic nanofibers. Journal of Chemical Physics, 2018, 148, 204101.	3.0	8
27	A joint theoretical and experimental characterization of two acene-thiophene derivatives. Journal of Molecular Modeling, 2017, 23, 52.	1.8	2
28	Modeling the Emission Spectra of Organic Molecules: A Competition between Franckâ€“Condon and Nuclear Ensemble Methods. Journal of Physical Chemistry A, 2016, 120, 5380-5388.	2.5	11