

Juan Carlos Roldao

List of Publications by Year in descending order

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docs citations

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times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum-chemistry study of the ground and excited state absorption of distyrylbenzene: Multi vs single reference methods. <i>Journal of Chemical Physics</i> , 2022, 156, 044102.	1.2	3
2	Pure Boric Acid Does Not Show Room-Temperature Phosphorescence (RTP). <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
3	Pure Boric Acid Does Not Show Room-Temperature Phosphorescence (RTP). <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22
4	Direct Observation of Structural Heterogeneity and Tautomerization of Single Hypericin Molecules. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1025-1031.	2.1	4
5	Theoretical and Experimental Evidence of Two-Step Tautomerization in Hypericin. <i>Advanced Photonics Research</i> , 2021, 2, 2000170.	1.7	3
6	Synthesis of solvent-free acrylic pressure-sensitive adhesives via visible-light-driven photocatalytic radical polymerization without additives. <i>Green Chemistry</i> , 2020, 22, 8289-8297.	4.6	19
7	Unraveling the Origin of High-Efficiency Photoluminescence in Mixed-Stack Isostructural Crystals of Organic Charge-Transfer Complex: Fine-Tuning of Isometric Donor-Acceptor Pairs. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20377-20387.	1.5	10
8	Combined Spectroscopic and TD-DFT Analysis to Elucidate Substituent and Acidochromic Effects in Organic Dyes: A Case Study on Amino-versus Nitro-Substituted 2,4-Diphenylquinolines. <i>ChemPhysChem</i> , 2020, 21, 1797-1804.	1.0	5
9	Solvent-Free Synthesis Using Nb ₂ O ₅ and a Theoretical-Experimental Study of Solvent Effect in New Rhodamine Dyes. <i>ChemistrySelect</i> , 2020, 5, 1455-1463.	0.7	1
10	Counterion-Mediated Crossing of the Cyanine Limit in Crystals and Fluid Solution: Bond Length Alternation and Spectral Broadening Unveiled by Quantum Chemistry. <i>Journal of the American Chemical Society</i> , 2020, 142, 2835-2843.	6.6	45
11	Crossed 2D versus Slipped 1D π -Stacking in Polymorphs of Crystalline Organic Thin Films: Impact on the Electronic and Optical Response. <i>Advanced Optical Materials</i> , 2019, 7, 1900749.	3.6	13
12	Theoretical evaluation of chemical substitutions along the main chain of poly(3-hexylthiophenylene-vinylene) for solar cell applications. <i>Polymer International</i> , 2018, 67, 197-203.	1.6	2
13	Effects of Mechanical Stretching on the Properties of Conjugated Polymers: Case Study for MEH-PPV and P3HT Oligomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1413-1426.	2.4	11
14	The role of sulfate in the chemical synthesis of graphene oxide. <i>Materials Chemistry and Physics</i> , 2018, 215, 203-210.	2.0	12
15	Electronic structure of polythieno[3,4-b]-thiophene-co-benzodithiophene (PTB7) derivatives for organic solar cell applications. <i>Organic Electronics</i> , 2016, 33, 246-252.	1.4	19
16	Calculation of low bandgap homopolymers: Comparison of TD-DFT methods with experimental oligomer series. <i>Chemical Physics Letters</i> , 2016, 645, 169-173.	1.2	26
17	A deep investigation into the thermal degradation of urethane dimethacrylate polymer. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	2.0	7