

Angela Rodriguez-Serrano

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Internal heavy atom effects in phenothiazinium dyes: enhancement of intersystem crossing via vibronic spin-orbit coupling. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11350-11358.	2.8	55
2	The Nature of the Donor Motif in Acceptor-Bridge-Donor Dyes as an Influence in the Electron Photo-Injection Mechanism in DSSCs. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1613-1624.	2.5	41
3	A quantum chemical investigation of the electronic structure of thionine. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 397-408.	2.9	32
4	A theoretical study of thionine: spin-orbit coupling and intersystem crossing. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1860-1867.	2.9	24
5	Effects of the acceptor unit in dyes with acceptor-bridge-donor architecture on the electron photo-injection mechanism and aggregation in DSSCs. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24239-24251.	2.8	23
6	Three-component one-pot synthesis of novel pyrido[2,3-d]pyrimidine indole substituted derivatives and DFT analysis. <i>Journal of Molecular Structure</i> , 2017, 1137, 431-439.	3.6	17
7	Intersystem crossing processes in the 2CzPN emitter: a DFT/MRCI study including vibrational spin-orbit interactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3668-3678.	2.8	13
8	Novel (E)-1-(pyrrole-2-yl)-3-(aryl)-2-(propen-1-one) derivatives as efficient singlet oxygen quenchers: kinetics and quantum chemical calculations. <i>RSC Advances</i> , 2015, 5, 71565-71572.	3.6	10
9	Exploring the relevance of thiophene rings as bridge unit in acceptor-bridge-donor dyes on self-aggregation and performance in DSSCs. <i>Journal of Computational Chemistry</i> , 2018, 39, 685-698.	3.3	10
10	Singlet oxygen photogeneration by ethanolic extract of <i>Syzygium cumini</i> fruits: Theoretical elucidation through excited states computations. <i>Chemical Physics Letters</i> , 2019, 715, 51-55.	2.6	8
11	Protonation-State-Driven Photophysics in Phenothiazinium Dyes: Intersystem Crossing and Singlet-Oxygen Production. <i>ChemPhotoChem</i> , 2017, 1, 459-469.	3.0	5
12	DFT/MRCI assessment of the excited-state interplay in a coumarin-schiff Mg 2+ fluorescent sensor. <i>Journal of Computational Chemistry</i> , 2020, 41, 136-146.	3.3	4
13	Furanyl chalcone derivatives as efficient singlet oxygen quenchers. An experimental and DFT/MRCI study. <i>Tetrahedron</i> , 2020, 76, 131248.	1.9	3