Francisco Carlos Lavarda

List of Publications by Year
in descending order

23	343	759233 12	839539 18
papers	citations	h-index	g-index

23	23	23	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrochemical oxidation of sulfamethazine on a glassy carbon electrode modified with graphene and gold nanoparticles. Electrochimica Acta, 2016, 192, 8-14.	5.2	41
2	Reorganization energy for hole and electron transfer of poly(3-hexylthiophene) derivatives. Polymer, 2016, 99, 105-111.	3.8	34
3	Calculation of low bandgap homopolymers: Comparison of TD-DFT methods with experimental oligomer series. Chemical Physics Letters, 2016, 645, 169-173.	2.6	26
4	Molecular design of new P3HT derivatives: Adjusting electronic energy levels for blends with PCBM. Materials Chemistry and Physics, 2014, 148, 923-932.	4.0	25
5	Effect of the length of alkyl side chains in the electronic structure of conjugated polymers. Materials Research, 2014, 17, 1369-1374.	1.3	23
6	Theoretical-Experimental Photophysical Investigations of the Solvent Effect on the Properties of Green- and Blue-Light-Emitting Quinoline Derivatives. Journal of Fluorescence, 2017, 27, 1709-1720.	2.5	21
7	Electronic structure of polythieno[3,4-b]-thiophene-co-benzodithiophene (PTB7) derivatives for organic solar cell applications. Organic Electronics, 2016, 33, 246-252.	2.6	19
8	Theoretical investigation of geometric configurations and vibrational spectra in citric acid complexes. Materials Research, 2014, 17, 550-556.	1.3	18
9	Effect of chemical modifications on the electronic structure of poly(3â€hexylthiophene). Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 842-846.	2.1	17
10	Relation between antioxidant activity and electronic structure of phenols. International Journal of Quantum Chemistry, 2003, 95, 219-223.	2.0	15
11	Structure of P3HT in the solid state. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1350-1354.	2.1	14
12	The correlation between electronic structure and antimalarial activity of alkoxylated and hydroxylated chalcones. Medicinal Chemistry Research, 2014, 23, 580-586.	2.4	14
13	New Class of Organic Hole-Transporting Materials Based on Xanthene Derivatives for Organic Electronic Applications. Journal of Physical Chemistry C, 2017, 121, 12999-13007.	3.1	13
14	Effects of Mechanical Stretching on the Properties of Conjugated Polymers: Case Study for MEHâ€PPV and P3HT Oligomers. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1413-1426.	2.1	11
15	Xeractinol: a new flavanonol C-glucoside from Paepalanthus argenteus var. argenteus (Bongard) Hensold (Eriocaulaceae). Journal of the Brazilian Chemical Society, 2007, 18, 437-439.	0.6	10
16	Copolymers with similar comonomers: Tuning frontier orbital energies for application in organic solar cells. Polymer Engineering and Science, 2016, 56, 479-487.	3.1	10
17	One-Step Synthesis of Methoxylated Phloroglucinol Derivatives Promoted by Niobium Pentachloride: An Experimental and Theoretical Approach. Synthesis, 2017, 49, 2402-2410.	2.3	9
18	Gamma-Ray Dosimetric Properties of Conjugated Polymers in Solution. Current Physical Chemistry, 2013, 3, 431-440.	0.2	8

#	Article	IF	Citations
19	Modifying electronic properties of ICBA through chemical substitutions for solar cell applications. Structural Chemistry, 2017, 28, 1133-1140.	2.0	6
20	Febrifugine derivative antimalarial activity: quantum mechanical predictors. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2008, 50, 21-24.	1.1	3
21	Design of diblock co-oligomers as low bandgap small molecules for organic solar cells. Molecular Simulation, 2017, 43, 1496-1501.	2.0	3
22	Theoretical evaluation of chemical substitutions along the main chain of poly(3â€hexylthienyleneâ€vinylene) for solar cell applications. Polymer International, 2018, 67, 197-203.	3.1	2
23	Electronic structure of a hydrogenated gallium nitride nanoparticle. Physica Status Solidi (B): Basic Research, 2015, 252, 2317-2322.	1.5	1