MarÃ-a-JesÃºs Blesa

List of Publications by Year
in descending order

34 papers	938 citations	516710 16 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	1077 citing authors

#	Article	IF	Citations
1	Tetrathiafulvalene in a Perylene-3,4:9,10-bis(dicarboximide)-Based Dyad:Â A New Reversible Fluorescence-Redox Dependent Molecular System. Journal of Organic Chemistry, 2005, 70, 6313-6320.	3.2	117
2	Tuning First Molecular Hyperpolarizabilities through the Use of Proaromatic Spacers. Journal of the American Chemical Society, 2005, 127, 8835-8845.	13.7	95
3	Low-temperature co-pyrolysis of a low-rank coal and biomass to prepare smokeless fuel briquettes. Journal of Analytical and Applied Pyrolysis, 2003, 70, 665-677.	5.5	89
4	Characterisation of an Egyptian coal by Mossbauer and FT-IR spectroscopyâ‹†. Fuel, 2003, 82, 1825-1829.	6.4	56
5	Effect of the pyrolysis process on the physicochemical and mechanical properties of smokeless fuel briquettes. Fuel Processing Technology, 2001, 74, 1-17.	7.2	46
6	Curing temperature effect on mechanical strength of smokeless fuel briquettes prepared with molassesâ‹†. Fuel, 2003, 82, 943-947.	6.4	41
7	Carboxylic acid derivatives of tetrathiafulvalene: key intermediates for the synthesis of redox-active calixarene-based anion receptors. Tetrahedron, 2007, 63, 10768-10777.	1.9	40
8	Iminium Salts of Ï‰-Dithiafulvenylpolyenals: An Easy Entry to the Corresponding Aldehydes and Doubly Proaromatic Nonlinear Optic-phores. Journal of Organic Chemistry, 2008, 73, 5890-5898.	3.2	39
9	Bis-calix[4]arenes Bridged by an Electroactive Tetrathiafulvalene Unit. Journal of Organic Chemistry, 2005, 70, 6254-6257.	3.2	38
10	Bis(calixcrown)tetrathiafulvalene Receptors. Chemistry - A European Journal, 2006, 12, 1906-1914.	3.3	38
11	Synthesis, Structure, and Optical Properties of 1,4-Dithiafulvene-Based Nonlinear Optic-phores. Journal of Organic Chemistry, 2007, 72, 6440-6446.	3.2	38
12	A calixareneâ€“amideâ€“tetrathiafulvalene assembly for the electrochemical detection of anions. New Journal of Chemistry, 2005, 29, 1164.	2.8	36
13	Synthesis, Characterization, and Optical Properties of 4H-Pyran-4-ylidene Donor-Based Chromophores: The Relevance of the Location of a Thiophene Ring in the Spacer. Journal of Organic Chemistry, 2012, 77, 4634-4644.	3.2	34
14	Micro-FTIR study of the blend of humates with calcium hydroxide used to prepare smokeless fuel briquettes. Vibrational Spectroscopy, 2003, 33, 31-35.	2.2	23
15	Curing time effect on mechanical strength of smokeless fuel briquettes. Fuel Processing Technology, 2003, 80, 155-167.	7.2	22
16	Electroactive C2 Symmetry Receptors Based on the Biphenyl Scaffold and Tetrathiafulvalene Units. Journal of Organic Chemistry, 2006, 71, 9096-9103.	3.2	19
17	A Tetrathiafulvalene-appended Calix[4]arene: Synthesis and Electrochemical Characterization. Supramolecular Chemistry, 2005, 17, 465-468.	1.2	14
18	Dye-sensitized-solar-cells based on calix[4]arene scaffolds. RSC Advances, 2015, 5, 90667-90670.	3.6	14

#	Article	IF	Citations
19	Liquid Crystal Organization of Calix[4]areneâ€Appended Schiff Bases and Recognition towards Zn²⁺. ChemistrySelect, 2017, 2, 101-109.	1.5	14
20	DSSCs based on aniline derivatives functionalized with a tert -butyldimethylsilyl group and the effect of the Ï€-spacer. Dyes and Pigments, 2018, 148, 61-71.	3.7	13
21	Enhancing the temporal stability of DSSCs with novel vinylpyrimidine anchoring and accepting group. Dyes and Pigments, 2022, 203, 110310.	3.7	12
22	Curing temperature effect on smokeless fuel briquettes prepared with molasses and H3PO4â˜†. Fuel, 2003, 82, 1669-1673.	6.4	11
23	Multichromophoric sensitizers based on calix[4]arene scaffold and 4 H -pyranylidene moiety for DSSCs application. Dyes and Pigments, 2017, 136, 505-514.	3.7	11
24	Study of the curing temperature effect on binders for smokeless briquettes by Fourier transform infrared spectroscopy. Vibrational Spectroscopy, 2003, 31, 81-87.	2.2	10
25	Multichromophoric Calix[4]arenes: Effect of Interchromophore Distances on Linear and Nonlinear Optical Properties. ChemPhysChem, 2012, 13, 3204-3209.	2.1	10
26	Using functionalized nonlinear optical chromophores to prepare NLO-active polycarbonate films. Dyes and Pigments, 2015, 119, 30-40.	3.7	10
27	DSC study of curing in smokeless briquetting. Thermochimica Acta, 2001, 371, 41-44.	2.7	9
28	Modification of the electronic properties of the Ï€-spacer of chromophores linked to calix[4]arene platform for DSSCs applications. Dyes and Pigments, 2019, 164, 43-53.	3.7	9
29	Unambiguous Identification of Regioisomeric Tetrathiafulvalenes by Mass Spectrometry:â€‰ Application to Dihalogeno Derivatives and the First Synthesis of 4,4â€˜(5â€˜)-Dichlorotetrathiafulvalene. Journal of Organic Chemistry, 1997, 62, 5642-5644.	3.2	8
30	Maria Coal Pyrolysis Studied by Fourier Transform Infrared and MÃ¶ssbauer Spectroscopy. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 32, 1747-1755.	2.3	6
31	Difunctionalized dyes for DSSCs based on two different scaffolds: p-tert-butylcalix[4]arene or isophthalic acid. Dyes and Pigments, 2020, 182, 108530.	3.7	6
32	The synthesis of dihalotetrathiafulvalenes. Synthetic Metals, 1997, 86, 1897-1898.	3.9	5
33	Characterization of Egyptian semi-cokes using MÃ¶ssbauer spectroscopy at room temperature. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1591-1597.	2.3	3
34	1,3-Dithiole Based Quinoid Systems: Multiply Proaromatic NLO-Phores. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1473-1474.	1.6	2