

Rodrigo Jos Corrâ

List of Publications by Citations

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41
papers

838
citations

16
h-index

28
g-index

44
ext. papers

883
ext. citations

4.4
avg, IF

3.7
L-index

#	Paper	IF	Citations
41	The first total synthesis of (R)-convolutamydine A. <i>Tetrahedron</i> , 2006 , 62, 12017-12024	2.4	109
40	Photochemistry of petroleum. <i>Marine Chemistry</i> , 1998 , 63, 93-104	3.7	67
39	Water influences the enantioselectivity in the proline or prolinamide-catalyzed aldol addition of acetone to isatins. <i>Tetrahedron Letters</i> , 2009 , 50, 814-817	2	59
38	Photochemical processes and the environmental impact of petroleum spills. <i>Biogeochemistry</i> , 1997 , 39, 121-138	3.8	59
37	Preparation of SiO ₂ /Nb ₂ O ₅ /ZnO mixed oxide by sol-gel method and its application for adsorption studies and on-line preconcentration of cobalt ions from aqueous medium. <i>Chemical Engineering Journal</i> , 2014 , 239, 233-241	14.7	51
36	Neutral structures with a planar tetracoordinated carbon based on spiropentadiene analogues. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8680-5	16.4	45
35	A DFT and AIM Study of the Proline-Catalyzed Asymmetric Cross-Aldol Addition of Acetone to Isatins: A Rationalization for the Reversal of Chirality. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 736-744	3.2	36
34	Catalytic activity of Mn(III)(Salen) and Fe(III)(Salen) complexes encapsulated in zeolite Y. <i>Applied Catalysis A: General</i> , 2008 , 336, 35-39	5.1	35
33	Theoretical study of protonation of butene isomers on acidic zeolite: the relative stability among primary, secondary and tertiary alkoxy intermediates. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 375-380	3.6	33
32	Photochemistry of Petroleum. <i>Progress in Reaction Kinetics and Mechanism</i> , 2001 , 26, 219-238	0.5	27
31	Laser flash photolysis of 1,2-diketopyracene and a theoretical study of the phenolic hydrogen abstraction by the triplet state of cyclic alpha-diketones. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 1117-1122	2.8	26
30	A combined laser flash photolysis, density functional theory and atoms in molecules study of the photochemical hydrogen abstraction by pyrene-4,5-dione. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 201, 1-7	4.7	21
29	UV Irradiation-induced crosslinking of aqueous solution of poly(ethylene oxide) with benzophenone as initiator. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 2458-2467	2.9	19
28	Study of the Asphaltene Aggregation Structure by Time-Resolved Fluorescence Spectroscopy. <i>Energy & Fuels</i> , 2010 , 24, 1135-1138	4.1	18
27	Asphaltene concentration and compositional alterations upon solar irradiation of petroleum. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 214, 48-53	4.7	18
26	Green fluorescence pyrene-based dye as a new extended system: Synthesis, photophysical and theoretical studies. <i>Dyes and Pigments</i> , 2018 , 148, 444-451	4.6	16
25	SN ₂ , E ₂ reactions of butylchlorides on NaY zeolite: A potential method for studying the formation and reactivity of alkoxy species on the zeolite surface. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 4268-4274	3.6	16

24	Silica nanoparticles doped with anthraquinone for lung cancer phototherapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 165, 1-9	6.7	16
23	Photosensitizing properties of triplet furano and pyrano-1,2-naphthoquinones. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014 , 276, 16-30	4.7	14
22	Singlet oxygen production by pyrano and furano 1,4-naphthoquinones in non-aqueous medium. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 1201-9	4.2	14
21	Understanding the planar tetracoordinate carbon atom: spiropentadiene dication. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 686-92	2.8	14
20	Comparative study of PEO and PVA hydrogels for removal of methylene blue dye from wastewater. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45043	2.9	13
19	A laser flash photolysis and theoretical study of hydrogen abstraction from phenols by triplet alpha-naphthoflavone. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 10746-53	3.6	13
18	Photoactive cotton fabric: Synthesis, characterization and antibacterial evaluation of anthraquinone-based dyes linked to cellulose. <i>Dyes and Pigments</i> , 2019 , 161, 16-23	4.6	12
17	Synthesis, characterization and photophysical study of ethynyl pyrene derivatives as promising materials for organic optoelectronics. <i>Journal of Luminescence</i> , 2015 , 161, 37-46	3.8	11
16	DFT Cluster Calculations for Alkali Cation-Exchanged Zeolites Interacting with Ethylchloride and HCl. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 10658-10662	3.4	11
15	Effect of the compensating cation on the adsorption of t-butylchloride on zeolite Y. <i>Applied Catalysis A: General</i> , 2003 , 255, 255-264	5.1	11
14	Derivatives of spiropentadiene dication: new species with planar tetracoordinate carbon (ptC) atom. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 3171-6	2.8	8
13	Theoretical study of photochemical hydrogen abstraction by triplet aliphatic carbonyls by using density functional theory. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 439-50	2.8	7
12	The cation-cloud interaction and the zeolite basicity concept. <i>Tetrahedron Letters</i> , 2003 , 44, 7299-7302	2	7
11	A photochemical and theoretical study of the triplet reactivity of furano- and pyrano-1,4-naphthoquinones towards tyrosine and tryptophan derivatives.. <i>RSC Advances</i> , 2019 , 9, 13386-13397	3.7	6
10	The generation of singlet oxygen by petroleum and its fractions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 236, 9-13	4.7	6
9	Elucidation of chiral Recognition mechanism of alpha-amino acids using ligand exchange high performance liquid chromatography. <i>Journal of the Brazilian Chemical Society</i> , 2007 , 18, 1367-1373	1.5	4
8	A fast and easy computational method to calculate the (13)C NMR chemical shift of organic species adsorbed on the zeolite surface. <i>Journal of the American Chemical Society</i> , 2002 , 124, 3484-5	16.4	3
7	Polymeric nanoparticles favor the in vitro dermal accumulation of Protoporphyrin IX (PpIX) with optimal biocompatibility and cellular recovery in culture of healthy dermal fibroblasts after Photodynamic Therapy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 386, 112109	4.7	3

6	Photochemistry of covalently bonded graphene oxide [Perylene diimide system for bacterial growth inhibition started by singlet oxygen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 407, 113058	4.7	3
5	Metal-free photochemical hydrogen storage in aromatic compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 360, 71-77	4.7	2
4	Protoporphyrin IX (PpIX) loaded PLGA nanoparticles for topical Photodynamic Therapy of melanoma cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021 , 35, 102317	3.5	2
3	A new fast methodology to measure total diene content in gasoline. <i>Fuel</i> , 2011 , 90, 1696-1699	7.1	1
2	Tuning the graphene oxide chemistry by excimer formation: The stabilization of electron/hole pair on sp ² surface. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 414, 113266	4.7	0
1	In vitro Studies of Antitumor Effect, Toxicity/Cytotoxicity and Skin Permeation/Retention of a Green Fluorescence Pyrene-based Dye for PDT Application. <i>Photochemistry and Photobiology</i> , 2021 , 97, 408-415	3.6	