

Carlos Afonso

List of Publications by Year in descending order

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53
papers

1,434
citations

236833

25
h-index

345118

36
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56
all docs

56
docs citations

56
times ranked

1826
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioactive Marine Xanthenes: A Review. <i>Marine Drugs</i> , 2022, 20, 58.	2.2	22
2	<i>Quercus suber</i> : A Promising Sustainable Raw Material for Cosmetic Application. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4604.	1.3	7
3	One-pot Synthesis of Xanthone by Carbonylative Suzuki Coupling Reaction. <i>ChemistrySelect</i> , 2021, 6, 4511-4514.	0.7	3
4	A Pyranoxanthone as a Potent Antimitotic and Sensitizer of Cancer Cells to Low Doses of Paclitaxel. <i>Molecules</i> , 2020, 25, 5845.	1.7	6
5	Yicathins B and C and Analogues: Total Synthesis, Lipophilicity and Biological Activities. <i>ChemMedChem</i> , 2020, 15, 749-755.	1.6	12
6	Multi-residue method for enantioseparation of psychoactive substances and beta blockers by gas chromatography–mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1125, 121731.	1.2	23
7	Enantioseparation, recognition mechanisms and binding of xanthenes on human serum albumin by liquid chromatography. <i>Bioanalysis</i> , 2019, 11, 1255-1274.	0.6	8
8	Chalcone derivatives targeting mitosis: synthesis, evaluation of antitumor activity and lipophilicity. <i>European Journal of Medicinal Chemistry</i> , 2019, 184, 111752.	2.6	32
9	Isolation and Potential Biological Applications of Haloaryl Secondary Metabolites from Macroalgae. <i>Marine Drugs</i> , 2019, 17, 73.	2.2	37
10	Structures, Activities and Drug-Likeness of Anti-Infective Xanthone Derivatives Isolated from the Marine Environment: A Review. <i>Molecules</i> , 2019, 24, 243.	1.7	40
11	Quantification of Methadone and Main Metabolites in Nails. <i>Journal of Analytical Toxicology</i> , 2018, 42, 192-206.	1.7	12
12	Assessing lipophilicity of drugs with biomimetic models: A comparative study using liposomes and micelles. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 369-380.	1.9	24
13	Lipid reducing activity and toxicity profiles of a library of polyphenol derivatives. <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 272-284.	2.6	32
14	Lipophilicity assessment in drug discovery: Experimental and theoretical methods applied to xanthone derivatives. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1072, 182-192.	1.2	24
15	Chiral Drug Analysis in Forensic Chemistry: An Overview. <i>Molecules</i> , 2018, 23, 262.	1.7	59
16	Repeated subcutaneous administrations of krokodil causes skin necrosis and internal organs toxicity in Wistar rats: putative human implications. <i>Human Psychopharmacology</i> , 2017, 32, e2572.	0.7	9
17	Analytical methods for quantification of tranexamic acid in biological fluids: A review. <i>Microchemical Journal</i> , 2017, 134, 333-342.	2.3	11
18	Enantiomeric Separation of Tramadol and Its Metabolites: Method Validation and Application to Environmental Samples. <i>Symmetry</i> , 2017, 9, 170.	1.1	9

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19	Chiral Derivatives of Xanthenes: Investigation of the Effect of Enantioselectivity on Inhibition of Cyclooxygenases (COX-1 and COX-2) and Binding Interaction with Human Serum Albumin. <i>Pharmaceuticals</i> , 2017, 10, 50.	1.7	23
20	Fluoroquinolones biosorption onto microbial biomass: activated sludge and aerobic granular sludge. <i>International Biodeterioration and Biodegradation</i> , 2016, 110, 53-60.	1.9	54
21	Data analysis of crokrodil samples obtained by street-like synthesis. <i>Data in Brief</i> , 2016, 6, 83-88.	0.5	8
22	The harmful chemistry behind krokodil (desomorphine) synthesis and mechanisms of toxicity. <i>Forensic Science International</i> , 2015, 249, 207-213.	1.3	41
23	Decreasing the toxicity of paraquat through the complexation with sodium salicylate: Stoichiometric analysis. <i>Toxicology</i> , 2015, 336, 96-98.	2.0	3
24	New chiral derivatives of xanthenes: Synthesis and investigation of enantioselectivity as inhibitors of growth of human tumor cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1049-1062.	1.4	41
25	Mineralization of 4-fluorocinnamic acid by a <i>Rhodococcus</i> strain. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1893-1905.	1.7	13
26	Enantioselective biodegradation of fluoxetine by the bacterial strain <i>Labrys portucalensis</i> F11. <i>Chemosphere</i> , 2014, 111, 103-111.	4.2	48
27	Enantioselective quantification of fluoxetine and norfluoxetine by HPLC in wastewater effluents. <i>Chemosphere</i> , 2014, 95, 589-596.	4.2	47
28	Pyranoxanthenes: Synthesis, growth inhibitory activity on human tumor cell lines and determination of their lipophilicity in two membrane models. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 798-816.	2.6	34
29	Biophysical characterization of the drug-membrane interactions: The case of propranolol and acebutolol. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 183-191.	2.0	32
30	Enantioresolution of Chiral Derivatives of Xanthenes on Phenylglycine Stationary Phases and Chiral Recognition Mechanism by Docking Approach for crokrodil. <i>Chirality</i> , 2013, 25, 89-100.	1.3	34
31	Bioaugmentation for treating transient 4-fluorocinnamic acid shock loads in a rotating biological contactor. <i>Bioresource Technology</i> , 2013, 144, 554-562.	4.8	15
32	Multidimensional optimization of promising antitumor xanthone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2941-2959.	1.4	15
33	Biodegradation of fluoroanilines by the wild strain <i>Labrys portucalensis</i> . <i>International Biodeterioration and Biodegradation</i> , 2013, 80, 10-15.	1.9	29
34	Enantioselective HPLC analysis and biodegradation of atenolol, metoprolol and fluoxetine. <i>Environmental Chemistry Letters</i> , 2013, 11, 83-90.	8.3	45
35	Enantioselective biodegradation of pharmaceuticals, alprenolol and propranolol, by an activated sludge inoculum. <i>Ecotoxicology and Environmental Safety</i> , 2013, 87, 108-114.	2.9	53
36	Effect of the metals iron, copper and silver on fluorobenzene biodegradation by <i>Labrys portucalensis</i> . <i>Biodegradation</i> , 2013, 24, 245-255.	1.5	27

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37	Routes to Xanthenes: An Update on the Synthetic Approaches. <i>Current Organic Chemistry</i> , 2012, 16, 2818-2867.	0.9	56
38	Resolution and determination of enantiomeric purity of new chiral derivatives of xanthenes using polysaccharide-based stationary phases. <i>Journal of Chromatography A</i> , 2012, 1269, 143-153.	1.8	28
39	Antifungal Activity of Xanthenes: Evaluation of their Effect on Ergosterol Biosynthesis by High-performance Liquid Chromatography. <i>Chemical Biology and Drug Design</i> , 2011, 77, 212-222.	1.5	54
40	Microbial degradation of 17 β -estradiol and 17 α -ethinylestradiol followed by a validated HPLC-DAD method. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2010, 45, 265-273.	0.7	21
41	Reactivity of paraquat with sodium salicylate: Formation of stable complexes. <i>Toxicology</i> , 2008, 249, 130-139.	2.0	28
42	Development and Validation of an HPLC Method for the Quantitation of 1,3-Dihydroxy-2-methylxanthone in Biodegradable Nanoparticles. <i>Journal of Chromatographic Science</i> , 2008, 46, 472-478.	0.7	6
43	Synthesis and Antimalarial Properties of New Chloro-xanthenes with an Aminoalkyl Side Chain. <i>Chemistry and Biodiversity</i> , 2007, 4, 1508-1519.	1.0	17
44	Psoralen analogues: synthesis, inhibitory activity of growth of human tumor cell lines and computational studies. <i>European Journal of Medicinal Chemistry</i> , 2006, 41, 367-372.	2.6	63
45	Definition of an electronic profile of compounds with inhibitory activity against hematin aggregation in malaria parasite. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 3313-3321.	1.4	59
46	Comparison of pesticides levels in grape skin and in the whole grape by a new liquid chromatographic multiresidue methodology. <i>Analytica Chimica Acta</i> , 2004, 513, 333-340.	2.6	57
47	Computational studies of new potential antimalarial compounds – Stereoelectronic complementarity with the receptor. <i>Journal of Computer-Aided Molecular Design</i> , 2003, 17, 583-595.	1.3	8
48	Receptor-drug association studies in the inhibition of the hematin aggregation process of malaria. <i>FEBS Letters</i> , 2003, 547, 217-222.	1.3	34
49	A Validated HPLC Method for the Assay of Xanthone and 3-Methoxyxanthone in PLGA Nanocapsules. <i>Journal of Chromatographic Science</i> , 2003, 41, 371-376.	0.7	12
50	Quantitative Analysis of Kielcorins in Biomimetic Synthesis by Liquid Chromatography/UV Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 29-41.	0.5	3
51	Xanthenes from <i>Calophyllum teysmannii</i> var. <i>inophylloide</i> . <i>Phytochemistry</i> , 2000, 53, 1021-1024.	1.4	18
52	Acetophenone derivatives from Chilean isolate of <i>Trichoderma pseudokoningii</i> Rifai. <i>World Journal of Microbiology and Biotechnology</i> , 2000, 16, 585-587.	1.7	15
53	Further prenylflavonoids from <i>Artocarpus elasticus</i> . <i>Phytochemistry</i> , 1998, 47, 875-878.	1.4	23