Francisco HernÃ¡ndez-Luis

List of Publications by Year
in descending order

46 papers	1,518 citations	304602 22 h-index	315616 38 g-index
48 all docs	48 docs citations	48 times ranked	1888 citing authors

#	Article	IF	Citations
1	Synthesis and antiparasitic activity of 1H-benzimidazole derivatives. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2221-2224.	1.0	222
2	Synthesis and antiparasitic activity of 2-(Trifluoromethyl)benzimidazole derivatives. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 187-190.	1.0	192
3	Synthesis andÂantiprotozoal activity ofÂsomeÂ2-(trifluoromethyl)-1H-benzimidazole bioisosteres. European Journal of Medicinal Chemistry, 2006, 41, 135-141.	2.6	86
4	Synthesis and biological activity of 2-(trifluoromethyl)-1H-benzimidazole derivatives against some protozoa and Trichinella spiralis. European Journal of Medicinal Chemistry, 2010, 45, 3135-3141.	2.6	81
5	Synthesis and antiparasitic activity of albendazole and mebendazole analogues. Bioorganic and Medicinal Chemistry, 2003, 11, 4615-4622.	1.4	77
6	Synthesis and antiprotozoal activity of novel 1-methylbenzimidazole derivatives. Bioorganic and Medicinal Chemistry, 2009, 17, 1724-1730.	1.4	61
7	Towards the identification of the binding site of benzimidazoles to Î²-tubulin of Trichinella spiralis: Insights from computational and experimental data. Journal of Molecular Graphics and Modelling, 2013, 41, 12-19.	1.3	54
8	Design, synthesis and biological evaluation of quinazoline derivatives as anti-trypanosomatid and anti-plasmodial agents. European Journal of Medicinal Chemistry, 2015, 96, 296-307.	2.6	53
9	Synthesis and antiprotozoal activity of novel 2-{[2-(1H-imidazol-1-yl)ethyl]sulfanyl}-1H-benzimidazole derivatives. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4221-4224.	1.0	48
10	Synthesis, hypoglycemic activity and molecular modeling studies of pyrazole-3-carbohydrazides designed by a CoMFA model. European Journal of Medicinal Chemistry, 2013, 69, 10-21.	2.6	40
11	Antileishmanial activity of quinazoline derivatives: Synthesis, docking screens, molecular dynamic simulations and electrochemical studies. European Journal of Medicinal Chemistry, 2015, 92, 314-331.	2.6	40
12	Anthelmintic activity of benzimidazole derivatives against Toxocara canis second-stage larvae and Hymenolepis nana adults. Acta Tropica, 2009, 109, 232-235.	0.9	36
13	Antiprotozoal activity of proton-pump inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 7351-7354.	1.0	34
14	In vitro and in vivo trypanocidal activity of some benzimidazole derivatives against two strains of Trypanosoma cruzi. Acta Tropica, 2012, 122, 108-112.	0.9	33
15	InÂvitro antiparasitic activity of new thiosemicarbazones in strains of Trypanosoma cruzi. European Journal of Medicinal Chemistry, 2014, 87, 23-29.	2.6	33
16	Synthesis and molecular docking of Nâ€²-arylidene-5-(4-chlorophenyl)-1-(3,4-dichlorophenyl)-4-methyl-1H-pyrazole-3-carbohydrazides as novel hypoglycemic and antioxidant dual agents. Bioorganic and Medicinal Chemistry, 2016, 24, 2298-2306.	1.4	33
17	Exploring the interplay of physicochemical properties, membrane permeability and giardicidal activity of some benzimidazole derivatives. European Journal of Medicinal Chemistry, 2012, 52, 193-204.	2.6	30
18	Synthesis and antiprotozoal activity of nitazoxanideâ€“N-methylbenzimidazole hybrids. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6838-6841.	1.0	29

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19	1,5-Diarylpyrazole and vanillin hybrids: Synthesis, biological activity and DFT studies. European Journal of Medicinal Chemistry, 2015, 100, 106-118.	2.6	29
20	Antinociceptive effect of extracts and compounds from Hofmeisteria schaffneri. Journal of Ethnopharmacology, 2010, 131, 425-432.	2.0	27
21	Synthesis and in vitro cysticidal activity of new benzimidazole derivatives. European Journal of Medicinal Chemistry, 2009, 44, 1794-1800.	2.6	24
22	Comparative molecular field analysis (CoMFA) and comparative molecular similarity indices analysis (CoMSIA) of some benzimidazole derivatives with trichomonicidal activity. European Journal of Medicinal Chemistry, 2011, 46, 3499-3508.	2.6	23
23	An adenosine derivative compound, IFC305, reverses fibrosis and alters gene expression in a pre-established CCl4-induced rat cirrhosis. International Journal of Biochemistry and Cell Biology, 2010, 42, 287-296.	1.2	22
24	Effects of an antimalarial quinazoline derivative on human erythrocytes and on cell membrane molecular models. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 738-746.	1.4	22
25	RCB20, an experimental benzimidazole derivative, affects tubulin expression and induces gross anatomical changes in Taenia crassiceps cysticerci. Parasitology Research, 2013, 112, 2215-2226.	0.6	18
26	Synthesis and hydrolytic stability studies of albendazole carrier prodrugs. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1359-1362.	1.0	16
27	Studies on 6-chloro-5-(1-naphthyloxy)-2-(trifluoromethyl)-1H-benzimidazole/2-hydroxypropyl-Î²-cyclodextrin association: Characterization, molecular modeling studies, and in vivo anthelminthic activity. Bioorganic and Medicinal Chemistry, 2011, 19, 789-797.	1.4	16
28	Analysis of the effect of a 2-(trifluoromethyl)-1H-benzimidazole derivative on Trichinella spiralis muscle larvae. Veterinary Parasitology, 2013, 194, 193-197.	0.7	15
29	Species-Specific Inactivation of Triosephosphate Isomerase from Trypanosoma brucei: Kinetic and Molecular Dynamics Studies. Molecules, 2017, 22, 2055.	1.7	14
30	The design and inhibitory profile of new benzimidazole derivatives against triosephosphate isomerase from Trypanosoma cruzi: A problem of residue motility. Journal of Molecular Graphics and Modelling, 2011, 30, 90-99.	1.3	13
31	Synthesis and biological evaluation of 2-methyl-1H-benzimidazole-5-carbohydrazides derivatives as modifiers of redox homeostasis of Trypanosoma cruzi. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3403-3407.	1.0	13
32	JVG9, a benzimidazole derivative, alters the surface and cytoskeleton of Trypanosoma cruzi bloodstream trypomastigotes. Memorias Do Instituto Oswaldo Cruz, 2014, 109, 757-760.	0.8	11
33	Evaluation of Albendazole Prodrugs in Experimental Trichinellosis. Archives of Medical Research, 1999, 30, 368-374.	1.5	10
34	Diversity in the supramolecular interactions of 5,6-dichloro-2-(trifluoromethyl)-1H-benzimidazole with modified cyclodextrins: Implications for physicochemical properties and antiparasitic activity. Carbohydrate Polymers, 2012, 87, 471-479.	5.1	9
35	Activity landscape analysis, CoMFA and CoMSIA studies of pyrazole CB1 antagonists. Medicinal Chemistry Research, 2013, 22, 4133-4145.	1.1	8
36	Systematic search for benzimidazole compounds and derivatives with antileishmanial effects. Molecular Diversity, 2018, 22, 779-790.	2.1	8

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37	Albendazole and its derivative JVG9 induce encystation on Giardia intestinalis trophozoites. Parasitology Research, 2013, 112, 3251-3257.	0.6	7
38	Preparation of N-methoxycarbonyl-Nâ€²-[2-nitro-4(5)-propylthiophenyl]thiourea as prodrugs of albendazole. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 2231-2236.	1.0	5
39	ENP11, a potential CB1R antagonist, induces anorexia in rats. Pharmacology Biochemistry and Behavior, 2015, 135, 177-181.	1.3	5
40	Genotoxicity assessment of four novel quinazoline-derived trypanocidal agents in the Drosophila wing somatic mutation and recombination test. Mutagenesis, 2020, 35, 299-310.	1.0	5
41	In Silico Characterization of Masitinib Interaction with SARSâ€CoVâ€2 Main Protease. ChemMedChem, 2021, 16, 2339-2344.	1.6	5
42	Design, Synthesis and Evaluation of 2,4â€Ðiaminoquinazoline Derivatives as Potential Tubulin Polymerization Inhibitors. ChemMedChem, 2020, 15, 1802-1812.	1.6	4
43	Quinazolines as inhibitors of chromatin-associated proteins in histones. Medicinal Chemistry Research, 2019, 28, 395-416.	1.1	3
44	Design, synthesis and cytotoxic evaluation of quinazoline-2,4,6-triamine and 2,6-diaminoquinazolin-4(3H)-one derivatives. Medicinal Chemistry Research, 2018, 27, 1748-1756.	1.1	2
45	Evaluation of New Benzimidazole Derivatives as Cysticidal Agents: <i>In Vitro</i>, <i>in Vivo</i> and Docking Studies. Chemical and Pharmaceutical Bulletin, 2019, 67, 1293-1300.	0.6	1
46	Enhancing the antidiabetic and antidyslipidemic activity of a 1,5-diarylpyrazole by solid dispersion pre-formulation. Chemical Papers, 2022, 76, 5551-5560.	1.0	1