Diogo Rodrigo Magalhaes Moreira

List of Publications by Year
in descending order

91 papers	2,982 citations	126907 33 h-index	189892 50 g-index
94 all docs	94 docs citations	94 times ranked	4285 citing authors

#	Article	IF	Citations
1	Halogen Atoms in the Modern Medicinal Chemistry: Hints for the Drug Design. Current Drug Targets, 2010, 11, 303-314.	2.1	528
2	Synthesis, docking, and in vitro activity of thiosemicarbazones, aminoacyl-thiosemicarbazides and acyl-thiazolidones against Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2006, 14, 3749-3757.	3.0	98
3	2-Pyridyl thiazoles as novel anti-Trypanosoma cruzi agents: Structural design, synthesis and pharmacological evaluation. European Journal of Medicinal Chemistry, 2014, 86, 48-59.	5.5	86
4	Design, synthesis and cruzain docking of 3-(4-substituted-aryl)-1,2,4-oxadiazole-N-acylhydrazones as anti-Trypanosoma cruzi agents. Bioorganic and Medicinal Chemistry, 2009, 17, 6682-6691.	3.0	84
5	Artemisininâ€"(Iso)quinoline Hybrids by Câ^'H Activation and Click Chemistry: Combating Multidrugâ€Resistant Malaria. Angewandte Chemie - International Edition, 2019, 58, 13066-13079.	13.8	78
6	Approaches for the Development of New Anti-Trypanosoma cruzi Agents. Current Drug Targets, 2009, 10, 212-231.	2.1	62
7	Structural Investigation of Anti-Trypanosoma cruzi 2-Iminothiazolidin-4-ones Allows the Identification of Agents with Efficacy in Infected Mice. Journal of Medicinal Chemistry, 2012, 55, 10918-10936.	6.4	55
8	Design, synthesis and biological evaluation of 3-[4-(7-chloro-quinolin-4-yl)-piperazin-1-yl]-propionic acid hydrazones as antiprotozoal agents. European Journal of Medicinal Chemistry, 2014, 75, 67-76.	5.5	54
9	Synthesis and structureâ€"activity relationship study of a new series of antiparasitic aryloxyl thiosemicarbazones inhibiting Trypanosoma cruzi cruzain. European Journal of Medicinal Chemistry, 2015, 101, 818-835.	5.5	54
10	Novel piplartine-containing ruthenium complexes: synthesis, cell growth inhibition, apoptosis induction and ROS production on HCT116 cells. Oncotarget, 2017, 8, 104367-104392.	1.8	53
11	SAR, QSAR and Docking of Anticancer Flavonoids and Variants: A Review. Current Topics in Medicinal Chemistry, 2013, 12, 2785-2809.	2.1	51
12	Synthesis, Cruzain Docking, and inâ€...vitro Studies of Arylâ€4â€Oxothiazolylhydrazones Against Trypanosoma cruzi. ChemMedChem, 2007, 2, 1339-1345.	3.2	50
13	Dimeric Flavonoids from Arrabidaea brachypoda and Assessment of Their Anti-Trypanosoma cruzi Activity. Journal of Natural Products, 2014, 77, 1345-1350.	3.0	50
14	Conjugation of N -acylhydrazone and 1,2,4-oxadiazole leads to the identification of active antimalarial agents. Bioorganic and Medicinal Chemistry, 2016, 24, 5693-5701.	3.0	48
15	Ruthenium(II) complexes of 1,3-thiazolidine-2-thione: Cytotoxicity against tumor cells and anti-Trypanosoma cruzi activity enhanced upon combination with benznidazole. Journal of Inorganic Biochemistry, 2016, 156, 153-163.	3.5	48
16	Studies toward the structural optimization of novel thiazolylhydrazone-based potent antitrypanosomal agents. Bioorganic and Medicinal Chemistry, 2010, 18, 7826-7835.	3.0	46
17	Evaluation of the Anti-Schistosoma mansoni Activity of Thiosemicarbazones and Thiazoles. Antimicrobial Agents and Chemotherapy, 2014, 58, 352-363.	3.2	46
18	Conformational restriction of aryl thiosemicarbazones produces potent and selective anti-Trypanosoma cruzi compounds which induce apoptotic parasite death. European Journal of Medicinal Chemistry, 2014, 75, 467-478.	5.5	46

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19	Mechanism of Multivalent Nanoparticle Encounter with HIV-1 for Potency Enhancement of Peptide Triazole Virus Inactivation. Journal of Biological Chemistry, 2015, 290, 529-543.	3.4	46
20	New 1,3-thiazole derivatives and their biological and ultrastructural effects on Trypanosoma cruzi. European Journal of Medicinal Chemistry, 2016, 121, 387-398.	5.5	46
21	A novel platinum complex containing a piplartine derivative exhibits enhanced cytotoxicity, causes oxidative stress and triggers apoptotic cell death by ERK/p38 pathway in human acute promyelocytic leukemia HL-60 cells. Redox Biology, 2019, 20, 182-194.	9.0	44
22	Antitumor and immunomodulatory activities of thiosemicarbazones and 1,3-Thiazoles in Jurkat and HT-29 cells. Biomedicine and Pharmacotherapy, 2016, 82, 555-560.	5.6	43
23	Structural design, synthesis and pharmacological evaluation of thiazoles against Trypanosoma cruzi. European Journal of Medicinal Chemistry, 2017, 141, 346-361.	5.5	43
24	Desing and synthesis of potent anti-Trypanosoma cruzi agents new thiazoles derivatives which induce apoptotic parasite death. European Journal of Medicinal Chemistry, 2017, 130, 39-50.	5.5	40
25	Structural Design, Synthesis and Structureâ€“Activity Relationships of Thiazolidinones with Enhanced Antiâ€Trypanosoma cruzi Activity. ChemMedChem, 2014, 9, 177-188.	3.2	39
26	In vitro and in vivo antiparasitic activity of Physalis angulata L. concentrated ethanolic extract against Trypanosoma cruzi. Phytomedicine, 2015, 22, 969-974.	5.3	39
27	Design, synthesis, molecular docking and biological evaluation of thiophen-2-iminothiazolidine derivatives for use against Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2016, 24, 4228-4240.	3.0	38
28	Ruthenium complexes endowed with potent anti-Trypanosoma cruzi activity: Synthesis, biological characterization and structureâ€“activity relationships. Bioorganic and Medicinal Chemistry, 2009, 17, 5038-5043.	3.0	37
29	Optimization of anti-Trypanosoma cruzi oxadiazoles leads to identification of compounds with efficacy in infected mice. Bioorganic and Medicinal Chemistry, 2012, 20, 6423-6433.	3.0	37
30	Thiosemicarbazones as Aedes aegypti larvicidal. European Journal of Medicinal Chemistry, 2015, 100, 162-175.	5.5	36
31	Structural design, synthesis and pharmacological evaluation of 4-thiazolidinones against Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2015, 23, 7478-7486.	3.0	35
32	Synthesis and antitumour evaluation of peptidyl-like derivatives containing the 1,3-benzodioxole system. European Journal of Medicinal Chemistry, 2007, 42, 351-357.	5.5	34
33	Design, synthesis and structureâ€“activity relationship of phthalimides endowed with dual antiproliferative and immunomodulatory activities. European Journal of Medicinal Chemistry, 2015, 96, 491-503.	5.5	34
34	Antiparasitic evaluation of betulinic acid derivatives reveals effective and selective anti-Trypanosoma cruzi inhibitors. Experimental Parasitology, 2016, 166, 108-115.	1.2	33
35	Phthalimido-thiazoles as building blocks and their effects on the growth and morphology of Trypanosoma cruzi. European Journal of Medicinal Chemistry, 2016, 111, 46-57.	5.5	33
36	Interactions of peptide triazole thiols with Env gp120 induce irreversible breakdown and inactivation of HIV-1 virions. Retrovirology, 2013, 10, 153.	2.0	32

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37	Structureâ€“activity relationships of mononuclear metalâ€“thiosemicarbazone complexes endowed with potent antiplasmodial and antiamoebic activities. Bioorganic and Medicinal Chemistry, 2010, 18, 6857-6864.	3.0	31
38	A Model of Peptide Triazole Entry Inhibitor Binding to HIV-1 gp120 and the Mechanism of Bridging Sheet Disruption. Biochemistry, 2013, 52, 2245-2261.	2.5	29
39	Ru(II) complexes containing uracil nucleobase analogs with cytotoxicity against tumor cells. Journal of Inorganic Biochemistry, 2019, 198, 110751.	3.5	28
40	Synthesis of aryl-hydrazones via ultrasound irradiation in aqueous medium. Tetrahedron Letters, 2008, 49, 1538-1541.	1.4	27
41	Synthesis of 4â€²-(2-ferrocenyl)-2,2â€²:6â€²2â€²â€²-terpyridine: Characterization and antiprotozoal activity of Mn(II), Co(II), Ni(II), Cu(II) and Zn(II) complexes. European Journal of Medicinal Chemistry, 2014, 75, 203-210.	5.3	27
42	Structural design, synthesis and substituent effect of hydrazone-N-acylhydrazones reveal potent immunomodulatory agents. Bioorganic and Medicinal Chemistry, 2018, 26, 1971-1985.	3.0	27
43	Synthesis, in vitro and in vivo biological evaluation, COX-1/2 inhibition and molecular docking study of indole-N-acylhydrazone derivatives. Bioorganic and Medicinal Chemistry, 2018, 26, 5388-5396.	3.0	26
44	Palladium(II)/ N , N -disubstituted- N â€²-acylthioureas complexes as anti- Mycobacterium tuberculosis and anti- Trypanosoma cruzi agents. Polyhedron, 2017, 132, 70-77.	2.2	25
45	Platinum(<scp>ii</scp>)â€“chloroquine complexes are antimalarial agents against blood and liver stages by impairing mitochondrial function. Metallomics, 2017, 9, 1548-1561.	2.4	25
46	Correlation between DNA/HSA-interactions and antimalarial activity of acridine derivatives: Proposing a possible mechanism of action. Journal of Photochemistry and Photobiology B: Biology, 2018, 189, 165-175.	3.8	23
47	Anti-inflammatory activity of novel thiosemicarbazone compounds indole-based as COX inhibitors. Pharmacological Reports, 2021, 73, 907-925.	3.3	23
48	Evaluation of naphthoquinones identified the acetylated isolapachol as a potent and selective antiplasmodium agent. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 615-621.	5.2	21
49	Recent Insights on the Medicinal Chemistry of Metal-Based Compounds: Hints for the Successful Drug Design. Current Medicinal Chemistry, 2010, 17, 3739-3750.	2.4	20
50	Chloroquine-containing organoruthenium complexes are fast-acting multistage antimalarial agents. Parasitology, 2016, 143, 1543-1556.	1.5	20
51	Ru(<scp>ii</scp>)â€“thyminate complexes: new metallodrug candidates against tumor cells. New Journal of Chemistry, 2018, 42, 6794-6802.	2.8	20
52	A new and efficient N-alkylation procedure for semicarbazides/semicarbazones derivatives. Tetrahedron Letters, 2007, 48, 3919-3923.	1.4	19
53	Physalins B and F,seco-steroids isolated fromPhysalis angulataL., strongly inhibit proliferation, ultrastructure and infectivity ofTrypanosoma cruzi. Parasitology, 2013, 140, 1811-1821.	1.5	19
54	Cytotoxic and toxicological effects of phthalimide derivatives on tumor and normal murine cells. Anais Da Academia Brasileira De Ciencias, 2015, 87, 313-330.	0.8	19

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55	Nitro/Nitrosyl-Ruthenium Complexes Are Potent and Selective Anti-Trypanosoma cruzi Agents Causing Autophagy and Necrotic Parasite Death. Antimicrobial Agents and Chemotherapy, 2014, 58, 6044-6055.	3.2	18
56	Betulinic acid derivative BA5, a dual NF-kB/calcineurin inhibitor, alleviates experimental shock and delayed hypersensitivity. European Journal of Pharmacology, 2017, 815, 156-165.	3.5	17
57	Phthaloyl amino acids as anti-inflammatory and immunomodulatory prototypes. Medicinal Chemistry Research, 2014, 23, 1701-1708.	2.4	16
58	A docking-based structural analysis of geldanamycin-derived inhibitor binding to human or Leishmania Hsp90. Scientific Reports, 2019, 9, 14756.	3.3	15
59	A Novel Hybrid of Chloroquine and Primaquine Linked by Gold(I): Multitarget and Multiphase Antiplasmodial Agent. ChemMedChem, 2021, 16, 662-678.	3.2	15
60	Nonâ€natural Peptide Triazole Antagonists of HIVâ€1 Envelope gp120. ChemMedChem, 2013, 8, 322-328.	3.2	14
61	Aryl thiosemicarbazones: InÂvitro and immunomodulatory activities against L.Âamazonensis. Experimental Parasitology, 2017, 177, 57-65.	1.2	14
62	Anti-inflammatory activity of SintMed65, an N-acylhydrazone derivative, in a mouse model of allergic airway inflammation. International Immunopharmacology, 2019, 75, 105735.	3.8	14
63	2-(phenylthio)ethylidene derivatives as anti-Trypanosoma cruzi compounds: Structural design, synthesis and antiparasitic activity. European Journal of Medicinal Chemistry, 2019, 180, 191-203.	5.5	14
64	Sulfonamideâ€“metal complexes endowed with potent anti-Trypanosoma cruzi activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 230-236.	5.2	13
65	The Role of the Iron Protoporphyrins Heme and Hematin in the Antimalarial Activity of Endoperoxide Drugs. Pharmaceuticals, 2022, 15, 60.	3.8	13
66	Novel phthalimide derivatives with TNF-Î± and IL-1Î² expression inhibitory and apoptotic inducing properties. MedChemComm, 2014, 5, 758-765.	3.4	12
67	Structural isomerism of Ru(<scp>ii</scp>)-carbonyl complexes: synthesis, characterization and their antitrypanosomal activities. New Journal of Chemistry, 2017, 41, 4468-4477.	2.8	12
68	Studies of Potency and Efficacy of an Optimized Artemisinin-Quinoline Hybrid against Multiple Stages of the Plasmodium Life Cycle. Pharmaceuticals, 2021, 14, 1129.	3.8	11
69	Betulinic Acid Derivative BA5, Attenuates Inflammation and Fibrosis in Experimental Chronic Chagas Disease Cardiomyopathy by Inducing IL-10 and M2 Polarization. Frontiers in Immunology, 2019, 10, 1257.	4.8	10
70	Structural improvement of new thiazolidinones compounds with antinociceptive activity in experimental chemotherapyâ€induced painful neuropathy. Chemical Biology and Drug Design, 2017, 90, 297-307.	3.2	9
71	Artemisininâ€“(Iso)quinoline Hybrids by Câ^'H Activation and Click Chemistry: Combating Multidrugâ€Resistant Malaria. Angewandte Chemie, 2019, 131, 13200-13213.	2.0	9
72	Synthesis, crystal structure and leishmanicidal activity of new trimethoprim Ru(III), Cu(II) and Pt(II) metal complexes. Journal of Inorganic Biochemistry, 2020, 205, 111002.	3.5	8

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73	Synthesis ofÂaminoacyl thiaolidones asÂpotential antitumour agents. Biomedicine and Pharmacotherapy, 2006, 60, 121-126.	5.6	7
74	Synthesis and Antitumour Activity of the Primin (2-methoxy-6-n-pentyl-1,4-benzoquinone) and Analogues. Medicinal Chemistry, 2007, 3, 369-372.	1.5	7
75	A Novel High-Content Screening-Based Method for Anti-Trypanosoma cruzi Drug Discovery Using Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Stem Cells International, 2021, 2021, 1-12.	2.5	7
76	Potential of Triterpenic Natural Compound Betulinic Acid for Neglected Tropical Diseases New Treatments. Biomedicines, 2022, 10, 831.	3.2	7
77	Intermolecular interaction of thiosemicarbazone derivatives to solvents and a potential Aedes aegypti target. Journal of Molecular Structure, 2015, 1093, 219-227.	3.6	6
78	Potent immunosuppressive activity of a phosphodiesterase-4 inhibitor N-acylhydrazone in models of lipopolysaccharide-induced shock and delayed-type hypersensitivity reaction. International Immunopharmacology, 2018, 65, 108-118.	3.8	6
79	Investigation of the antitrypanosomal effects of 2-formyl-8-hydroxyquinoline-derived hydrazones and their antimony(<scp>iii</scp>) and bismuth(<scp>iii</scp>) complexes. New Journal of Chemistry, 2019, 43, 18996-19002.	2.8	6
80	In Vitro, In Vivo and In Silico Effectiveness of LASSBio-1386, an N-Acyl Hydrazone Derivative Phosphodiesterase-4 Inhibitor, Against Leishmania amazonensis. Frontiers in Pharmacology, 2020, 11, 590544.	3.5	6
81	Synthesis and characterization of new amino acyl-4-thiazolidones. Quimica Nova, 2007, 30, 284-286.	0.3	5
82	Novel Nitrofurazone Derivatives Endowed with Antimicrobial Activity. Archiv Der Pharmazie, 2008, 341, 655-660.	4.1	5
83	In vitro and In Vivo Immunomodulatory Activity of Physalis angulata Concentrated Ethanolic Extract. Planta Medica, 2021, 87, 160-168.	1.3	5
84	A Betulinic Acid Derivative, BA5, Induces G0/G1 Cell Arrest, Apoptosis Like-Death, and Morphological Alterations in Leishmania sp. Frontiers in Pharmacology, 2022, 13, 846123.	3.5	5
85	A Hybrid of Amodiaquine and Primaquine Linked by Gold(I) Is a Multistage Antimalarial Agent Targeting Heme Detoxification and Thiol Redox Homeostasis. Pharmaceutics, 2022, 14, 1251.	4.5	5
86	Synthesis of piplartine analogs and preliminary findings on structureâ€“antimicrobial activity relationship. Medicinal Chemistry Research, 2017, 26, 603-614.	2.4	4
87	Structural Insights Into Bioactive Thiazolidin-4-one: Experimental and Theoretical Data. Letters in Organic Chemistry, 2015, 12, 262-270.	0.5	4
88	Blocking IL-10 signaling with soluble IL-10 receptor restores in vitro specific lymphoproliferative response in dogs with leishmaniasis caused by Leishmania infantum. PLoS ONE, 2021, 16, e0239171.	2.5	3
89	Chemical and Pharmacological Properties of Decoquinate: A Review of Its Pharmaceutical Potential and Future Perspectives. Pharmaceutics, 2022, 14, 1383.	4.5	3
90	Antimalarial Pyrido[1,2-a]benzimidazoles Exert Strong Parasiticidal Effects by Achieving High Cellular Uptake and Suppressing Heme Detoxification. ACS Infectious Diseases, 2022, 8, 1700-1710.	3.8	1

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91	InnenrÃ¼cktitelbild: Artemisininâ€“(Iso)quinoline Hybrids by Câ^'H Activation and Click Chemistry: Combating Multidrugâ€Resistant Malaria (Angew. Chem. 37/2019). Angewandte Chemie, 2019, 131, 13295-13295.	2.0	0