

# Francisco J B Mendonça-Junior

## List of Publications by Year in descending order

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93  
papers

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279701

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414303

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93  
docs citations

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#	ARTICLE	IF	CITATIONS
1	Coumarin Derivatives Exert Anti-Lung Cancer Activity by Inhibition of Epithelialâ€Mesenchymal Transition and Migration in A549 Cells. <i>Pharmaceuticals</i> , 2022, 15, 104.	1.7	11
2	Chitosan-Based Films with 2-Aminothiophene Derivative: Formulation, Characterization and Potential Antifungal Activity. <i>Marine Drugs</i> , 2022, 20, 103.	2.2	9
3	Medicinal Chemistry of Inhibitors Targeting Resistant Bacteria. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 1983-2028.	1.0	2
4	Natural Bioactive Products with Antioxidant Properties Useful in Neurodegenerative Diseases 2020. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-2.	1.9	7
5	Identification of Kaurane-Type Diterpenes as Inhibitors of Leishmania Pteridine Reductase I. <i>Molecules</i> , 2021, 26, 3076.	1.7	11
6	Thiophene-Based Compounds with Potential Anti-Inflammatory Activity. <i>Pharmaceuticals</i> , 2021, 14, 692.	1.7	37
7	Identification of New Targets and the Virtual Screening of Lignans against Alzheimerâ€™s Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-19.	1.9	13
8	RMD86, a thiophene derivative, promotes antinociceptive and antipyretic activities in mice. <i>Heliyon</i> , 2020, 6, e05520.	1.4	6
9	Secondary Metabolites with Antioxidant Activities for the Putative Treatment of Amyotrophic Lateral Sclerosis (ALS): â€Experimental Evidencesâ€ <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-22.	1.9	11
10	Virtual Screening and the In Vitro Assessment of the Antileishmanial Activity of Lignans. <i>Molecules</i> , 2020, 25, 2281.	1.7	17
11	Incorporation of 2-amino-thiophene derivative in nanoparticles: enhancement of antifungal activity. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 647-655.	0.8	7
12	Thiophene-thiosemicarbazone derivative (L10) exerts antifungal activity mediated by oxidative stress and apoptosis in <i>C. albicans</i> . <i>Chemico-Biological Interactions</i> , 2020, 320, 109028.	1.7	12
13	Synthesis and Evaluation of 2â€Aminothiophene Derivatives as <i>Staphylococcus aureus</i> Efflux Pump Inhibitors. <i>ChemMedChem</i> , 2020, 15, 716-725.	1.6	15
14	Recent Theoretical Studies Concerning Important Tropical Infections. <i>Current Medicinal Chemistry</i> , 2020, 27, 795-834.	1.2	4
15	Computer-Aided Drug Design Applied to Secondary Metabolites as Anticancer Agents. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1677-1703.	1.0	13
16	Computer-Assisted Design of Thiophene-Indole Hybrids as Leishmanial Agents. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1704-1719.	1.0	4
17	Combined structure- and ligand-based virtual screening aiding discovery of selenoglycolicamides as potential multitarget agents against <i>Leishmania</i> species. <i>Journal of Molecular Structure</i> , 2019, 1198, 126872.	1.8	15
18	Natural Bioactive Products with Antioxidant Properties Useful in Neurodegenerative Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-2.	1.9	21

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19	Evaluation of anti-inflammatory activity and molecular docking study of new aza-bicyclic isoxazoline acylhydrazone derivatives. <i>MedChemComm</i> , 2019, 10, 1916-1925.	3.5	16
20	Design, synthesis and pharmacological evaluation of CVIB, a codrug of carvacrol and ibuprofen as a novel anti-inflammatory agent. <i>International Immunopharmacology</i> , 2019, 76, 105856.	1.7	11
21	Chemical analysis of <i>Brasilimeria</i> Stach, 1949 (Hexapoda, Collembola, Neanuridae) hemolymphatic secretion, and description of a new species. <i>PLoS ONE</i> , 2019, 14, e0212451.	1.1	4
22	An electrochemical biosensor based on Hairpin-DNA modified gold electrode for detection of DNA damage by a hybrid cancer drug intercalation. <i>Biosensors and Bioelectronics</i> , 2019, 133, 160-168.	5.3	37
23	Active Essential Oils and Their Components in Use against Neglected Diseases and Arboviruses. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-52.	1.9	41
24	Biological Evaluation of Arylsemicarbazone Derivatives as Potential Anticancer Agents. <i>Pharmaceuticals</i> , 2019, 12, 169.	1.7	9
25	5-Nitro-Thiophene-Thiosemicarbazone Derivatives Present Antitumor Activity Mediated by Apoptosis and DNA Intercalation. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 1075-1091.	1.0	26
26	Computational Studies in Drug Design Against Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 587-591.	0.9	9
27	Multi-Target Drugs Against Metabolic Disorders. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 402-418.	0.6	12
28	New thiophene-acridine compounds: Synthesis, antileishmanial activity, DNA binding, chemometric, and molecular docking studies. <i>Chemical Biology and Drug Design</i> , 2018, 91, 1141-1155.	1.5	19
29	Anticancer properties of thiophene derivatives in breast cancer MCF-7 cells. <i>Anti-Cancer Drugs</i> , 2018, 29, 157-166.	0.7	26
30	A new coumarin derivative, 4-acetatecoumarin, with antifungal activity and association study against <i>Aspergillus</i> spp.. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 407-413.	0.8	12
31	Synthesis and evaluation of the antibiotic and adjuvant antibiotic potential of organotin(IV) derivatives. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 80-88.	1.5	15
32	Aminoguanidine hydrazones (AGH's) as modulators of norfloxacin resistance in <i>Staphylococcus aureus</i> that overexpress NorA efflux pump. <i>Chemico-Biological Interactions</i> , 2018, 280, 8-14.	1.7	28
33	Characterization and Antiproliferative Activity of a Novel 2-Aminothiophene Derivative- $\beta$ -Cyclodextrin Binary System. <i>Molecules</i> , 2018, 23, 3130.	1.7	11
34	Computational Studies Applied to Flavonoids against Alzheimer's and Parkinson's Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-21.	1.9	51
35	SB-83, a 2-Amino-thiophene derivative orally bioavailable candidate for the leishmaniasis treatment. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 1670-1678.	2.5	5
36	Correlation between DNA/HSA-interactions and antimalarial activity of acridine derivatives: Proposing a possible mechanism of action. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 165-175.	1.7	23

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37	A new diethylcarbamazine formulation (NANO-DEC) as a therapeutic tool for hepatic fibrosis. <i>International Immunopharmacology</i> , 2018, 64, 280-288.	1.7	3
38	Molecular Docking Studies Applied to a Dataset of Cruzain Inhibitors. <i>Current Computer-Aided Drug Design</i> , 2018, 14, 68-78.	0.8	29
39	Genetic Mechanisms of Antibiotic Resistance and the Role of Antibiotic Adjuvants. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 42-74.	1.0	28
40	Natural Product Inhibitors of Topoisomerases: Review and Docking Study. <i>Current Protein and Peptide Science</i> , 2018, 19, 275-291.	0.7	18
41	Docking of Natural Products against Neurodegenerative Diseases: General Concepts. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2018, 21, 152-160.	0.6	15
42	1,4-Dithiane-2,5-diol: A Versatile Synthon for the Synthesis of Sulfur-containing Heterocycles. <i>Current Organic Synthesis</i> , 2018, 15, 1026-1042.	0.7	6
43	Computational and Metabolic Studies on a Set of N-Myristoyltransferase Inhibitors Against <i>Trypanosoma Brucei</i> . <i>International Journal of Quantitative Structure-Property Relationships</i> , 2018, 3, 80-94.	1.1	0
44	Molecular Modeling and Physicochemical Properties of Supramolecular Complexes of Limonene with $\beta$ - and $\gamma$ -Cyclodextrins. <i>AAPS PharmSciTech</i> , 2017, 18, 49-57.	1.5	23
45	Synthesis, cytotoxicity and antifungal activity of 5-nitro-thiophene-thiosemicarbazones derivatives. <i>Chemico-Biological Interactions</i> , 2017, 272, 172-181.	1.7	32
46	Electrochemical investigation of the toxicity of a new nitrocompound and its interaction with $\beta$ -cyclodextrin and polyamidoamine third-generation. <i>Electrochimica Acta</i> , 2017, 251, 442-451.	2.6	8
47	Characterization and evaluation of nanoencapsulated diethylcarbamazine in model of acute hepatic inflammation. <i>International Immunopharmacology</i> , 2017, 50, 330-337.	1.7	5
48	Editorial: Polypharmacology of Natural Products. <i>Mini-Reviews in Organic Chemistry</i> , 2017, 14, .	0.6	1
49	Editorial (Thematic Issue: Hybrid Compounds as Multitarget Agents in Medicinal Chemistry – Part II). <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 957-958.	1.0	7
50	EDITORIAL (Thematic Issue : Hybrid Compounds as Multitarget Agents in Medicinal Chemistry – Part I). <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 843-844.	1.0	12
51	Flavonoids as Multi-Target Compounds in Drug Discovery. <i>Mini-Reviews in Organic Chemistry</i> , 2017, 14, .	0.6	2
52	Docking Studies for Multi-Target Drugs. <i>Current Drug Targets</i> , 2017, 18, 592-604.	1.0	39
53	Secondary Metabolites from <i>Cissampelos</i> , A Possible Source for New Leads with Anti-Inflammatory Activity. <i>Current Medicinal Chemistry</i> , 2017, 24, 1629-1644.	1.2	4
54	In silico and In vivo Toxicological Evaluation of <i>Cissampelos</i> <i>Sympodialis</i> Secondary Metabolites in <i>Rattus Norvegicus</i> . <i>Current Drug Metabolism</i> , 2017, 18, 566-576.	0.7	2

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55	Dynamic Simulation, Docking and DFT Studies Applied to a Set of Anti-Acetylcholinesterase Inhibitors in the enzyme $\beta$ -Secretase (BACE-1): An Important Therapeutic Target in Alzheimer's Disease. <i>Current Computer-Aided Drug Design</i> , 2017, 13, 266-274.	0.8	15
56	Editorial (Thematic Issue: Medicinal Chemistry Applied to Natural Products in Neglected Drug) <i>Tj ETQq0 0 0 rgBT /Overlock 1Q Tf 50 702</i>	0.6	1
57	Theoretical Study of Phosphoethanolamine: A Synthetic Anticancer Agent with Broad Antitumor Activity. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	0.9	3
58	Modulation of Drug Resistance in <i>Staphylococcus aureus</i> with Coumarin Derivatives. <i>Scientifica</i> , 2016, 2016, 1-6.	0.6	26
59	Improvement of Solubility and Antifungal Activity of a New Aminothiophene Derivative by Complexation with 2-Hydroxypropyl- $\beta$ -cyclodextrin. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	9
60	Antileishmanial activity of new thiophene-indole hybrids: Design, synthesis, biological and cytotoxic evaluation, and chemometric studies. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3972-3977.	1.4	40
61	Design, synthesis, molecular docking and biological evaluation of thiophen-2-iminothiazolidine derivatives for use against <i>Trypanosoma cruzi</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4228-4240.	1.4	38
62	Docking and physico-chemical properties of $\beta$ - and $\gamma$ -cyclodextrin complex containing isopulegol: a comparative study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 85, 341-354.	0.9	17
63	Antimitotic activity of the pyrimidinone derivative py-09 on sea urchin embryonic development. <i>Toxicology in Vitro</i> , 2016, 31, 72-85.	1.1	4
64	Enzymatic Targets in <i>Trypanosoma brucei</i> . <i>Current Protein and Peptide Science</i> , 2016, 17, 243-259.	0.7	15
65	Recent Advancement in Natural Hyaluronidase Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2016, 16, 2525-2531.	1.0	20
66	Evaluation of Antifungal Activity and Mode of Action of New Coumarin Derivative, 7-Hydroxy-6-nitro-2H-1-benzopyran-2-one, against <i>Aspergillus</i> spp.. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-8.	0.5	28
67	2-Amino-thiophene derivatives present antileishmanial activity mediated by apoptosis and immunomodulation in <i>vitro</i> . <i>European Journal of Medicinal Chemistry</i> , 2015, 106, 1-14.	2.6	62
68	In-silico Analyses of Natural Products on Leishmania Enzyme Targets. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015, 15, 253-269.	1.1	32
69	Antifungal activity of topical microemulsion containing a thiophene derivative. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 545-550.	0.8	19
70	Synthesis and preliminary ex vivo evaluation of the spasmolytic activity of 1,3-thiazolium- and 1,3,4-thiadiazolium-5-methylthio- and 5-thioacetate derivatives. <i>Acta Pharmaceutica</i> , 2014, 64, 233-245.	0.9	3
71	5CN05 partitioning in an aqueous two-phase system: A new approach to the solubilization of hydrophobic drugs. <i>Process Biochemistry</i> , 2014, 49, 1555-1561.	1.8	5
72	Chemometric Studies on Potential Larvicidal Compounds Against <i>Aedes Aegypti</i> . <i>Medicinal Chemistry</i> , 2014, 10, 201-210.	0.7	23

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73	Anxiolytic Properties of New Chemical Entity, 5TIO1. <i>Neurochemical Research</i> , 2013, 38, 726-731.	1.6	24
74	Dimethyl 2-[(acridin-9-yl)methylidene]malonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o224-o224.	0.2	1
75	Synthesis, Structure-Activity Relationships (SAR) and in Silico Studies of Coumarin Derivatives with Antifungal Activity. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1293-1309.	1.8	46
76	Docking and PLS Studies on a Set of Thiophenes RNA Polymerase Inhibitors Against <i>Staphylococcus aureus</i> . <i>Current Topics in Medicinal Chemistry</i> , 2013, 14, 64-80.	1.0	9
77	Is Oxidative Stress in Mice Brain Regions Diminished by 2-[(2,6-Dichlorobenzylidene)amino]-5,6-dihydro-4H-cyclopenta[b]thiophene-3-carbonitrile?. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-8.	1.9	6
78	SAR, QSAR and Docking of Anticancer Flavonoids and Variants: A Review. <i>Current Topics in Medicinal Chemistry</i> , 2013, 12, 2785-2809.	1.0	51
79	Biochemical Changes Evidenced in Alzheimer's Disease: A Mini-Review. <i>Letters in Drug Design and Discovery</i> , 2013, 11, 240-248.	0.4	12
80	Ethyl 2-(3-phenylthioureido)-5,6-dihydro-4H-cyclopenta[b]thiophene-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2360-o2360.	0.2	1
81	Comparative Computational Studies of 3,4-Dihydro-2,6-diaryl-4-oxo-pyrimidine-5-carbonitrile Derivatives as Potential Antinociceptive Agents. <i>Molecules</i> , 2012, 17, 809-819.	1.7	14
82	Preliminary antifungal and cytotoxic evaluation of synthetic cycloalkyl[b]thiophene derivatives with PLS-DA analysis. <i>Acta Pharmaceutica</i> , 2012, 62, 221-236.	0.9	36
83	Experimental Methodologies and Evaluations of Computer-Aided Drug Design Methodologies Applied to a Series of 2-Aminothiophene Derivatives with Antifungal Activities. <i>Molecules</i> , 2012, 17, 2298-2315.	1.7	25
84	Synthesis of 1,2,3-Triazole Derivatives and in Vitro Antifungal Evaluation on <i>Candida</i> Strains. <i>Molecules</i> , 2012, 17, 5882-5892.	1.7	56
85	Self-Organizing Maps of Molecular Descriptors for Sesquiterpene Lactones and Their Application to the Chemotaxonomy of the Asteraceae Family. <i>Molecules</i> , 2012, 17, 4684-4702.	1.7	27
86	Sesquiterpene Lactones with Anti-Hepatitis C Virus Activity Using Molecular Descriptors. <i>Letters in Drug Design and Discovery</i> , 2012, 9, 881-890.	0.4	8
87	2-(2-Nitroanilino)-5,6,7,8-tetrahydro-4H-cyclohepta[b]thiophene-3-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1350-o1351.	0.2	0
88	2-(2-Nitroanilino)-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2543-o2543.	0.2	1
89	Purificação e caracterização da beta-lapachona e estudo de estabilidade dos cristais em diferentes condições de armazenamento. <i>Química Nova</i> , 2008, 31, 413-416.	0.3	9
90	Palladium-Catalyzed Alkynylation (Sonogashira Coupling) at C-5 of the Uracil Moiety in Modified Unsaturated Pyranosyl Nucleosides. <i>Synthesis</i> , 2007, 2007, 1890-1897.	1.2	1

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91	Palladium(0)-Catalyzed Allylation of Heterocyclic Nucleophiles with Unsaturated Carbohydrates. <i>Synlett</i> , 2006, 2006, 3049-3052.	1.0	0
92	Design, Synthesis and Antifungal Activity of New Schiff Bases Bearing 2-Aminothiophene Derivatives Obtained by Molecular Simplification. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	5
93	Molecular Docking of Phytochemicals against <i>Streptococcus mutans</i> Virulence Targets: A Proteomic Insight into Drug Planning. <i>Dentistry</i> , 0, , .	0.0	0