

# Christopher Fernandez-Prada

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,045  
citations

471061

17  
h-index

433756

31  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1409  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the current evidence of fruit phenolic compounds as potential antimicrobials against pathogenic bacteria. <i>Microbial Pathogenesis</i> , 2019, 130, 259-270.	1.3	153
2	Cos-Seq for high-throughput identification of drug target and resistance mechanisms in the protozoan parasite <i>Leishmania</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3012-21.	3.3	76
3	Drug resistance analysis by next generation sequencing in <i>Leishmania</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2015, 5, 26-35.	1.4	66
4	Role of trypanosomatid's arginase in polyamine biosynthesis and pathogenesis. <i>Molecular and Biochemical Parasitology</i> , 2012, 181, 85-93.	0.5	49
5	Different Mutations in a P-type ATPase Transporter in <i>Leishmania</i> Parasites are Associated with Cross-resistance to Two Leading Drugs by Distinct Mechanisms. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005171.	1.3	48
6	Indotecan (LMP400) and AM13-55: Two Novel Indenoisoquinolines Show Potential for Treating Visceral Leishmaniasis. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 5264-5270.	1.4	47
7	Extracellular Vesicles in Trypanosomatids: Host Cell Communication. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 602502.	1.8	47
8	DNA topoisomerases in apicomplexan parasites: promising targets for drug discovery. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1777-1787.	1.2	45
9	Appraisal of a <i>Leishmania</i> major Strain Stably Expressing mCherry Fluorescent Protein for Both In Vitro and In Vivo Studies of Potential Drugs and Vaccine against Cutaneous Leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1927.	1.3	43
10	Gimatecan and other camptothecin derivatives poison <i>Leishmania</i> DNA-topoisomerase IB leading to a strong leishmanicidal effect. <i>Biochemical Pharmacology</i> , 2013, 85, 1433-1440.	2.0	43
11	Trypanosomatids topoisomerase re-visited. New structural findings and role in drug discovery. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2014, 4, 326-337.	1.4	39
12	High-throughput Cos-Seq screen with intracellular <i>Leishmania infantum</i> for the discovery of novel drug-resistance mechanisms. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 165-173.	1.4	37
13	Unravelling the proteomic signature of extracellular vesicles released by drug-resistant <i>Leishmania infantum</i> parasites. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008439.	1.3	35
14	Of Drugs and Trypanosomatids: New Tools and Knowledge to Reduce Bottlenecks in Drug Discovery. <i>Genes</i> , 2020, 11, 722.	1.0	30
15	Identification of asymptomatic <i>Leishmania</i> infections: a scoping review. <i>Parasites and Vectors</i> , 2022, 15, 5.	1.0	27
16	Total Synthesis and Antileishmanial Activity of the Natural Occurring Acetylenic Fatty Acids 6-Heptadecynoic Acid and 6-Cosynoic Acid. <i>Lipids</i> , 2009, 44, 953-61.	0.7	22
17	2-Alkynoic fatty acids inhibit topoisomerase IB from <i>Leishmania donovani</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6185-6189.	1.0	21
18	MRPA-independent mechanisms of antimony resistance in <i>Leishmania infantum</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020, 13, 28-37.	1.4	19

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19	<i>Leishmania</i> and its exosomal pathway: a novel direction for vaccine development. <i>Future Microbiology</i> , 2019, 14, 559-561.	1.0	18
20	Extracellular vesicles and leishmaniasis: Current knowledge and promising avenues for future development. <i>Molecular Immunology</i> , 2021, 135, 73-83.	1.0	17
21	First total synthesis and antiprotozoal activity of (Z)-17-methyl-13-octadecenoic acid, a new marine fatty acid from the sponge <i>Polymastia penicillus</i> . <i>Chemistry and Physics of Lipids</i> , 2009, 161, 38-43.	1.5	15
22	A pentapeptide signature motif plays a pivotal role in <i>Leishmania</i> DNA topoisomerase IB activity and camptothecin sensitivity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 2062-2071.	1.1	14
23	Trypanosomatids see the light: recent advances in bioimaging research. <i>Drug Discovery Today</i> , 2015, 20, 114-121.	3.2	14
24	Effects of recycled manure solids bedding on the spread of gastrointestinal parasites in the environment of dairies and milk. <i>Journal of Dairy Science</i> , 2019, 102, 11308-11316.	1.4	14
25	First total synthesis of the (±)-2-methoxy-6-heptadecynoic acid and related 2-methoxylated analogs as effective inhibitors of the <i>Leishmania</i> topoisomerase IB enzyme. <i>Pure and Applied Chemistry</i> , 2012, 84, 1867-1875.	0.9	13
26	Synthesis of Marine ±-Methoxylated Fatty Acid Analogs that Effectively Inhibit the Topoisomerase IB from <i>Leishmania donovani</i> with a Mechanism Different from that of Camptothecin. <i>Marine Drugs</i> , 2013, 11, 3661-3675.	2.2	13
27	First total synthesis and antileishmanial activity of (Z)-16-methyl-11-heptadecenoic acid, a new marine fatty acid from the sponge <i>Dragmaxia undata</i> . <i>Chemistry and Physics of Lipids</i> , 2011, 164, 113-117.	1.5	12
28	Innovative Solutions for the Control of Leishmaniasis: Nanoscale Drug Delivery Systems. <i>Current Pharmaceutical Design</i> , 2019, 25, 1582-1592.	0.9	11
29	Identification and Characterization of the Regions Involved in the Nuclear Translocation of the Heterodimeric <i>Leishmania</i> DNA Topoisomerase IB. <i>PLoS ONE</i> , 2013, 8, e73565.	1.1	10
30	Repurposed Molecules: A New Hope in Tackling Neglected Infectious Diseases. , 2019, , 119-160.		9
31	Three different mutations in the DNA topoisomerase IB in <i>Leishmania infantum</i> contribute to resistance to antitumor drug topotecan. <i>Parasites and Vectors</i> , 2021, 14, 438.	1.0	8
32	Novel Findings on Trypanosomatid Chemotherapy Using DNA Topoisomerase Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 674-686.	1.1	6
33	Cos-Seq: A High-Throughput Gain-of-Function Screen for Drug Resistance Studies in <i>Leishmania</i> . <i>Methods in Molecular Biology</i> , 2019, 1971, 141-167.	0.4	6
34	Influence of N-Methylation and Conformation on Almiramide Anti- <i>Leishmania</i> Activity. <i>Molecules</i> , 2021, 26, 3606.	1.7	4
35	Exposure to Tick-Borne Pathogens in Cats and Dogs Infested With <i>Ixodes scapularis</i> in Quebec: An 8-Year Surveillance Study. <i>Frontiers in Veterinary Science</i> , 2021, 8, 696815.	0.9	4
36	<i>Leishmania Viannia guyanensis</i> . <i>Trends in Parasitology</i> , 2019, 35, 1018-1019.	1.5	3

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37	High-throughput identification and quantification of <i>Haemonchus contortus</i> in fecal samples. <i>Veterinary Parasitology</i> , 2019, 265, 24-28.	0.7	3
38	infection in a dog imported from Morocco. <i>Canadian Veterinary Journal</i> , 2020, 61, 963-965.	0.0	2
39	Sex under pressure: stress facilitates <i>Leishmania</i> in vitro hybridization. <i>Trends in Parasitology</i> , 2022, 38, 274-276.	1.5	2
40	Omics and Their Impact on the Development of Chemotherapy Against <i>Leishmania</i> . <i>RSC Drug Discovery Series</i> , 2017, , 101-129.	0.2	0
41	Recent research brings hope for reshaping the co-evolutionary arms race against parasitic infectious diseases. <i>Drug Development Research</i> , 2022, 83, 219-221.	1.4	0