Luis M Ruiz-Perez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1283936/publications.pdf

Version: 2024-02-01

100	2,639	159585	243625
papers	citations	30 h-index	44 g-index

102	102	102	2665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inosine triphosphate pyrophosphatase from Trypanosoma brucei cleanses cytosolic pools from deaminated nucleotides. Scientific Reports, 2022, 12, 6408.	3.3	2
2	A Mitochondrial Orthologue of the dNTP Triphosphohydrolase SAMHD1 Is Essential and Controls Pyrimidine Homeostasis in Trypanosoma brucei. ACS Infectious Diseases, 2021, 7, 318-332.	3.8	6
3	DCTPP1 prevents a mutator phenotype through the modulation of dCTP, dTTP and dUTP pools. Cellular and Molecular Life Sciences, 2020, 77, 1645-1660.	5.4	10
4	Strasseriolides Aâ€“D, A Family of Antiplasmodial Macrolides Isolated from the Fungus Strasseria geniculata CF-247251. Organic Letters, 2020, 22, 6709-6713.	4.6	14
5	Contribution of Cytidine Deaminase to Thymidylate Biosynthesis in Trypanosoma brucei: Intracellular Localization and Properties of the Enzyme. MSphere, 2019, 4, .	2.9	7
6	Validation of Plasmodium falciparum dUTPase as the target of 5â€²-tritylated deoxyuridine analogues with anti-malarial activity. Malaria Journal, 2019, 18, 392.	2.3	7
7	Base excision repair plays an important role in the protection against nitric oxide- and in vivo-induced DNA damage in Trypanosoma brucei. Free Radical Biology and Medicine, 2019, 131, 59-71.	2.9	6
8	1,2-Diphenoxiethane salts as potent antiplasmodial agents. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2485-2489.	2.2	6
9	MDN-0185, an Antiplasmodial Polycyclic Xanthone Isolated from Micromonospora sp. CA-256353. Journal of Natural Products, 2018, 81, 1687-1691.	3.0	12
10	Insights into the role of endonuclease V in RNA metabolism in Trypanosoma brucei. Scientific Reports, 2017, 7, 8505.	3.3	9
11	The nucleotidohydrolases DCTPP1 and dUTPase are involved in the cellular response to decitabine. Biochemical Journal, 2016, 473, 2635-2643.	3.7	17
12	Cell cycle regulation and novel structural features of thymidine kinase, an essential enzyme in Trypanosoma brucei. Molecular Microbiology, 2016, 102, 365-385.	2.5	11
13	Discovery of New Compounds Active against Plasmodium falciparum by High Throughput Screening of Microbial Natural Products. PLoS ONE, 2016, 11, e0145812.	2.5	31
14	Carbohydrate-Binding Non-Peptidic Pradimicins for the Treatment of Acute Sleeping Sickness in Murine Models. PLoS Pathogens, 2016, 12, e1005851.	4.7	16
15	Exposure of Trypanosoma brucei to an N-acetylglucosamine-Binding Lectin Induces VSG Switching and Glycosylation Defects Resulting in Reduced Infectivity. PLoS Neglected Tropical Diseases, 2015, 9, e0003612.	3.0	11
16	High-Throughput Screening Platform for Natural Productâ€“Based Drug Discovery Against 3 Neglected Tropical Diseases: Human African Trypanosomiasis, Leishmaniasis, and Chagas Disease. Journal of Biomolecular Screening, 2015, 20, 82-91.	2.6	70
17	InÂvitro antiplasmodial and cytotoxic activities of asymmetrical pyridinium derivatives. European Journal of Medicinal Chemistry, 2014, 85, 289-292.	5.5	10
18	MDN-0104, an Antiplasmodial Betaine Lipid from Heterospora chenopodii. Journal of Natural Products, 2014, 77, 2118-2123.	3.0	66

#	Article	IF	Citations
19	The NTP pyrophosphatase DCTPP1 contributes to the homoeostasis and cleansing of the dNTP pool in human cells. Biochemical Journal, 2014, 459, 171-180.	3.7	37
20	Microwave-assisted synthesis of C-8 aryl and heteroaryl inosines and determination of their inhibitory activities against Plasmodium falciparum purine nucleoside phosphorylase. European Journal of Medicinal Chemistry, 2014, 82, 459-465.	5.5	13
21	Pyrimidine requirements in deoxyuridine triphosphate nucleotidohydrolase deficient Trypanosoma brucei mutants. Molecular and Biochemical Parasitology, 2013, 187, 9-13.	1.1	17
22	Carbohydrateâ€binding agents act as potent trypanocidals that elicit modifications in <scp>VSG</scp> glycosylation and reduced virulence in <scp>T</scp>rypanosoma brucei. Molecular Microbiology, 2013, 90, 665-679.	2.5	12
23	Endogenous sterol biosynthesis is important for mitochondrial function and cell morphology in procyclic forms of Trypanosoma brucei. International Journal for Parasitology, 2012, 42, 975-989.	3.1	23
24	Synthesis and Evaluation of Î±-Thymidine Analogues as Novel Antimalarials. Journal of Medicinal Chemistry, 2012, 55, 10948-10957.	6.4	36
25	Increased uracil insertion in DNA is cytotoxic and increases the frequency of mutation, double strand break formation and VSG switching in Trypanosoma brucei. DNA Repair, 2012, 11, 986-995.	2.8	21
26	Lasionectrin, a Naphthopyrone from aLasionectriasp.. Journal of Natural Products, 2012, 75, 1228-1230.	3.0	17
27	Trypanosomes lacking uracil-DNA glycosylase are hypersensitive to antifolates and present a mutator phenotype. International Journal of Biochemistry and Cell Biology, 2012, 44, 1555-1568.	2.8	18
28	Trypanosoma brucei AP endonuclease 1 has a major role in the repair of abasic sites and protection against DNA-damaging agents. DNA Repair, 2012, 11, 53-64.	2.8	12
29	Kinetic analyses and inhibition studies reveal novel features in peptide deformylase 1 from Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2012, 182, 83-87.	1.1	3
30	Antimalarial activity of imidazo[2,1-a]isoindol-5-ol derivatives and related compounds. European Journal of Medicinal Chemistry, 2011, 46, 5379-5386.	5.5	18
31	Modified 5â€²â€Trityl Nucleosides as Inhibitors of Plasmodium falciparum dUTPase. ChemMedChem, 2011, 6, 309-320.	3.2	18
32	Site-directed mutagenesis provides insights into the selective binding of trityl derivatives to Plasmodium falciparum dUTPase. European Journal of Medicinal Chemistry, 2011, 46, 3309-3314.	5.5	9
33	Structural basis for the efficient phosphorylation of AZT-MP (3â€²-azido-3â€²-deoxythymidine) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Journal, 2010, 428, 499-509.	3.7	38
34	Potential application of thymidylate kinase in nucleoside analogue activation in Plasmodium falciparum. Bioorganic and Medicinal Chemistry, 2010, 18, 7302-7309.	3.0	18
35	Exploring new inhibitors of Plasmodium falciparum purine nucleoside phosphorylase. European Journal of Medicinal Chemistry, 2010, 45, 5140-5149.	5.5	22
36	Kinetic properties and specificity of trimeric Plasmodium falciparum and human dUTPases. Biochimie, 2010, 92, 178-186.	2.6	14

#	Article	IF	Citations
37	Identification of a residue critical for the excision of 3'-blocking ends in apurinic/apyrimidinic endonucleases of the Xth family. Nucleic Acids Research, 2009, 37, 1829-1842.	14.5	27
38	Intracellular location of the early steps of the isoprenoid biosynthetic pathway in the trypanosomatids Leishmania major and Trypanosoma brucei. International Journal for Parasitology, 2009, 39, 307-314.	3.1	35
39	Design, synthesis and evaluation of novel uracil acetamide derivatives as potential inhibitors of Plasmodium falciparum dUTP nucleotidohydrolase. European Journal of Medicinal Chemistry, 2009, 44, 678-688.	5.5	43
40	Kinetic properties and inhibition of the dimeric dUTPase-dUDPase fromCampylobacter jejuni. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 111-116.	5.2	8
41	Kinetic and thermodynamic characterization of dUTP hydrolysis by Plasmodium falciparum dUTPase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1347-1355.	2.3	10
42	Kinetic properties and inhibition of the dimeric dUTPase-dUDPase from Leishmania major. Protein Science, 2008, 10, 1426-1433.	7.6	34
43	Depletion of dimeric all-Î± dUTPase induces DNA strand breaks and impairs cell cycle progression in Trypanosoma brucei. International Journal of Biochemistry and Cell Biology, 2008, 40, 2901-2913.	2.8	35
44	Kinetic Characterization of Squalene Synthase from Trypanosoma cruzi: Selective Inhibition by Quinuclidine Derivatives. Antimicrobial Agents and Chemotherapy, 2007, 51, 2123-2129.	3.2	55
45	Effect of an Asp80Ala substitution on the binding of dUTP and dUMP to Trypanosoma cruzi dUTPase. Biochimie, 2007, 89, 972-980.	2.6	8
46	Crystal Structure and DNA Repair Activities of the AP Endonuclease from Leishmania major. Journal of Molecular Biology, 2007, 373, 827-838.	4.2	24
47	Plasmodium falciparum dUTPase: Studies on protein stability and binding of deoxyuridine derivatives. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 936-945.	2.3	11
48	Acyclic Nucleoside Analogues as Inhibitors ofPlasmodiumfalciparumdUTPase. Journal of Medicinal Chemistry, 2006, 49, 4183-4195.	6.4	57
49	Evaluation of Azasterols as Anti-Parasitics. Journal of Medicinal Chemistry, 2006, 49, 6094-6103.	6.4	62
50	Design, synthesis and evaluation of novel uracil amino acid conjugates for the inhibition of Trypanosoma cruzi dUTPase. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 3809-3812.	2.2	18
51	Farnesyl Diphosphate Synthase Is a Cytosolic Enzyme in Leishmania major Promastigotes and Its Overexpression Confers Resistance to Risedronate. Eukaryotic Cell, 2006, 5, 1057-1064.	3.4	27
52	New Azasterols against Trypanosoma brucei : Role of 24-Sterol Methyltransferase in Inhibitor Action. Antimicrobial Agents and Chemotherapy, 2006, 50, 2595-2601.	3.2	37
53	Design, synthesis and evaluation of 2,4-diaminoquinazolines as inhibitors of trypanosomal and leishmanial dihydrofolate reductase. Bioorganic and Medicinal Chemistry, 2005, 13, 2637-2649.	3.0	58
54	Biphenylquinuclidines as inhibitors of squalene synthase and growth of parasitic protozoa. Bioorganic and Medicinal Chemistry, 2005, 13, 3519-3529.	3.0	41

#	Article	IF	Citations
55	Preparation of transition-state analogues of sterol 24-methyl transferase as potential anti-parasitics. Bioorganic and Medicinal Chemistry, 2005, 13, 5435-5453.	3.0	35
56	dUTPase as a Platform for Antimalarial Drug Design: Structural Basis for the Selectivity of a Class of Nucleoside Inhibitors. Structure, 2005, 13, 329-338.	3.3	81
57	Overexpression of AP endonuclease protects Leishmania major cells against methotrexate induced DNA fragmentation and hydrogen peroxide. Molecular and Biochemical Parasitology, 2005, 141, 191-197.	1.1	19
58	Deoxyuridine Triphosphate Nucleotidohydrolase as a Potential Antiparasitic Drug Target. Journal of Medicinal Chemistry, 2005, 48, 5942-5954.	6.4	67
59	Mitochondrial Localization of the Mevalonate Pathway Enzyme 3-Hydroxy-3-methyl-glutaryl-CoA Reductase in the Trypanosomatidae. Molecular Biology of the Cell, 2004, 15, 1356-1363.	2.1	43
60	Novel Azasterols as Potential Agents for Treatment of Leishmaniasis and Trypanosomiasis. Antimicrobial Agents and Chemotherapy, 2004, 48, 2937-2950.	3.2	93
61	Calorimetric determination of thermodynamic parameters of 2â€²-dUMP binding to Leishmania major dUTPase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1702, 33-40.	2.3	5
62	A novel calcium-dependent soluble inorganic pyrophosphatase from the trypanosomatidLeishmania major. FEBS Letters, 2004, 560, 158-166.	2.8	16
63	2,4-Diaminopyrimidines as inhibitors of Leishmanial and Trypanosomal dihydrofolate reductase. Bioorganic and Medicinal Chemistry, 2003, 11, 4693-4711.	3.0	53
64	Azasterols as Inhibitors of Sterol 24-Methyltransferase in Leishmania Species and Trypanosoma cruzi. Journal of Medicinal Chemistry, 2003, 46, 4714-4727.	6.4	96
65	Synthesis and Testing of 5-Benzyl-2,4-diaminopyrimidines as Potential Inhibitors of Leishmanial and Trypanosomal Dihydrofolate Reductase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2002, 17, 293-302.	5.2	16
66	Evidence for a wide occurrence of proton-translocating pyrophosphatase genes in parasitic and free-living protozoa. Biochemical and Biophysical Research Communications, 2002, 294, 567-573.	2.1	36
67	Kinetic properties and inhibition ofTrypanosoma cruzi3-hydroxy-3-methylglutaryl CoA reductase. FEBS Letters, 2002, 510, 141-144.	2.8	17
68	Characterization of deoxyuridine 5â€²-triphosphate nucleotidohydrolase fromTrypanosoma cruzi1. FEBS Letters, 2002, 526, 147-150.	2.8	23
69	Novel inhibitors of Trypanosoma cruzi dihydrofolate reductase. European Journal of Medicinal Chemistry, 2001, 36, 395-405.	5.5	69
70	Novel inhibitors of leishmanial dihydrofolate reductase. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 977-980.	2.2	44
71	Characterization of uracil-DNA glycosylase activity from Trypanosoma cruzi and its stimulation by AP endonuclease. Nucleic Acids Research, 2001, 29, 1549-1555.	14.5	22
72	Properties of Leishmania major dUTP nucleotidohydrolase, a distinct nucleotide-hydrolysing enzyme in kinetoplastids. Biochemical Journal, 2000, 346, 163.	3.7	10

#	Article	IF	Citations
73	Characterization and regulation of Leishmania major 3-hydroxy-3-methylglutaryl-CoA reductase. Biochemical Journal, 2000, 349, 27-34.	3.7	28
74	Characterization and regulation of Leishmania major 3-hydroxy-3-methylglutaryl-CoA reductase. Biochemical Journal, 2000, 349, 27.	3.7	18
75	Properties of Leishmania major dUTP nucleotidohydrolase, a distinct nucleotide-hydrolysing enzyme in kinetoplastids. Biochemical Journal, 2000, 346, 163-168.	3.7	35
76	Properties of Leishmania major dUTP nucleotidohydrolase, a distinct nucleotide-hydrolysing enzyme in kinetoplastids. Biochemical Journal, 2000, 346 Pt 1, 163-8.	3.7	10
77	Apurinic/apyrimidinic endonuclease genes from the Trypanosomatidae Leishmania major and Trypanosoma cruzi confer resistance to oxidizing agents in DNA repair-deficient Escherichia coli. Nucleic Acids Research, 1999, 27, 771-777.	14.5	30
78	The structure-based design and synthesis of selective inhibitors of trypanosoma cruzi dihydrofolate reductase. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 1463-1468.	2.2	32
79	Design, Synthesis, and Evaluation of Inhibitors of Trypanosomal and Leishmanial Dihydrofolate Reductase. Journal of Medicinal Chemistry, 1999, 42, 4300-4312.	6.4	79
80	Expression and regulation of mitochondrial uncoupling protein 1 from brown adipose tissue in Leishmania major promastigotes. Molecular and Biochemical Parasitology, 1998, 93, 191-202.	1.1	15
81	A soluble 3-hydroxy-3-methylglutaryl-CoA reductase in the protozoan Trypanosoma cruzi. Biochemical Journal, 1997, 324, 619-626.	3.7	22
82	Description of a novel eukaryotic deoxyuridine 5â€²-triphosphate nucleotidohydrolase in Leishmania major. Biochemical Journal, 1997, 325, 441-447.	3.7	42
83	Expression and characterization of the Trypanosoma cruzi dihydrofolate reductase domain. Molecular and Biochemical Parasitology, 1996, 76, 175-185.	1.1	11
84	A mutant dihydrofolate reductase-thymidylate synthase from Leishmania major as a selectable marker in transfection experiments. Molecular and Biochemical Parasitology, 1996, 79, 129-133.	1.1	1
85	Co-existence of circular and multiple linear amplicons in methotrexate-resistantLeishmania. Nucleic Acids Research, 1995, 23, 2856-2864.	14.5	29
86	Cloning and expression of the dihydrofolate reductase-thymidylate synthase gene from Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1994, 65, 247-258.	1.1	31
87	Amplification of the H locus in Leishmania infantum. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1994, 1227, 188-194.	3.8	13
88	Isolation and characterization of a mutant dihydrofolate reductase-thymidylate synthase from methotrexate-resistant Leishmania cells. Journal of Biological Chemistry, 1994, 269, 10590-6.	3.4	30
89	Purification of a glycoprotein excreted by Trypanosomacruzi to increase the permeability of the host-cell membrane. Biochemical and Biophysical Research Communications, 1990, 166, 736-742.	2.1	5
90	New Antiparasitic Agents. Chemotherapy, 1988, 34, 127-133.	1.6	9

#	Article	IF	Citations
91	Extrachromosomal elements in the lower eukaryote Leishmania.. Journal of Biological Chemistry, 1988, 263, 16970-16976.	3.4	64
92	Extrachromosomal elements in the lower eukaryote Leishmania. Journal of Biological Chemistry, 1988, 263, 16970-6.	3.4	57
93	Antitrypanosomal Action of Cis-Diamminedichloroplatinum (II) Analogs. Journal of Parasitology, 1987, 73, 272.	0.7	10
94	Antiamebic Activity of New Acridinic Derivatives against <i>Naegleria </i>and <i>Acanthamoeba </i>Species in vitro. Chemotherapy, 1987, 33, 18-21.	1.6	4
95	Inhibition of lysosomal fusion by Trypanosoma cruzi in peritoneal macrophages. International Journal for Parasitology, 1986, 16, 629-632.	3.1	21
96	Effect of poly-l-lysine and neuraminidase on the infectivity ofTrypanosoma cruzi in cultured HeLa cells. Zeitschrift FÃ¼r Parasitenkunde (Berlin, Germany), 1985, 71, 429-433.	0.8	2
97	Isolation and purification of amastigotes ofTrypanosoma cruzi from cultured Vero cells. Zeitschrift FÃ¼r Parasitenkunde (Berlin, Germany), 1985, 71, 15-17.	0.8	8
98	Effect of interferon on the infectivity of Trypanosoma cruzi in cultured heLa cells. International Journal for Parasitology, 1985, 15, 167-170.	3.1	4
99	Purification of metacyclic forms ofTrypanosoma cruzi by Percoll discontinuous gradient centrifugation. Zeitschrift FÃ¼r Parasitenkunde (Berlin, Germany), 1984, 70, 443-449.	0.8	30
100	Resistance to Reinfection of HeLa Cells Parasitized by Trypanosoma cruzi. Journal of Parasitology, 1984, 70, 825.	0.7	4