Luis M Ruiz-Perez

List of Publications by Year
in descending order

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	Azasterols as Inhibitors of Sterol 24-Methyltransferase in Leishmania Species and Trypanosoma cruzi. Journal of Medicinal Chemistry, 2003, 46, 4714-4727.	6.4	96
2	Novel Azasterols as Potential Agents for Treatment of Leishmaniasis and Trypanosomiasis. Antimicrobial Agents and Chemotherapy, 2004, 48, 2937-2950.	3.2	93
3	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
4	Design, Synthesis, and Evaluation of Inhibitors of Trypanosomal and Leishmanial Dihydrofolate Reductase. Journal of Medicinal Chemistry, 1999, 42, 4300-4312.	6.4	79
5	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
6	Novel inhibitors of Trypanosoma cruzi dihydrofolate reductase. European Journal of Medicinal Chemistry, 2001, 36, 395-405.	5.5	69
7	Deoxyuridine Triphosphate Nucleotidohydrolase as a Potential Antiparasitic Drug Target. Journal of Medicinal Chemistry, 2005, 48, 5942-5954.	6.4	67
8	MDN-0104, an Antiplasmodial Betaine Lipid from Heterospora chenopodii. Journal of Natural Products, 2014, 77, 2118-2123.	3.0	66
9	Extrachromosomal elements in the lower eukaryote Leishmania.. Journal of Biological Chemistry, 1988, 263, 16970-16976.	3.4	64
10	Evaluation of Azasterols as Anti-Parasitics. Journal of Medicinal Chemistry, 2006, 49, 6094-6103.	6.4	62
11	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
12	Acyclic Nucleoside Analogues as Inhibitors ofPlasmodiumfalciparumdUTPase. Journal of Medicinal Chemistry, 2006, 49, 4183-4195.	6.4	57
13	Extrachromosomal elements in the lower eukaryote Leishmania. Journal of Biological Chemistry, 1988, 263, 16970-6.	3.4	57
14	Kinetic Characterization of Squalene Synthase from Trypanosoma cruzi: Selective Inhibition by Quinuclidine Derivatives. Antimicrobial Agents and Chemotherapy, 2007, 51, 2123-2129.	3.2	55
15	2,4-Diaminopyrimidines as inhibitors of Leishmanial and Trypanosomal dihydrofolate reductase. Bioorganic and Medicinal Chemistry, 2003, 11, 4693-4711.	3.0	53
16	Novel inhibitors of leishmanial dihydrofolate reductase. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 977-980.	2.2	44
17	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
18	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

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19	Description of a novel eukaryotic deoxyuridine 5â€²-triphosphate nucleotidohydrolase in Leishmania major. Biochemical Journal, 1997, 325, 441-447.	3.7	42
20	Biphenylquinuclidines as inhibitors of squalene synthase and growth of parasitic protozoa. Bioorganic and Medicinal Chemistry, 2005, 13, 3519-3529.	3.0	41
21	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
22	New Azasterols against Trypanosoma brucei : Role of 24-Sterol Methyltransferase in Inhibitor Action. Antimicrobial Agents and Chemotherapy, 2006, 50, 2595-2601.	3.2	37
23	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
24	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
25	Synthesis and Evaluation of Î±-Thymidine Analogues as Novel Antimalarials. Journal of Medicinal Chemistry, 2012, 55, 10948-10957.	6.4	36
26	Properties of Leishmania major dUTP nucleotidohydrolase, a distinct nucleotide-hydrolysing enzyme in kinetoplastids. Biochemical Journal, 2000, 346, 163-168.	3.7	35
27	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
28	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
29	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
30	Kinetic properties and inhibition of the dimeric dUTPase-dUDPase from Leishmania major. Protein Science, 2008, 10, 1426-1433.	7.6	34
31	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
32	Cloning and expression of the dihydrofolate reductase-thymidylate synthase gene from Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1994, 65, 247-258.	1.1	31
33	Discovery of New Compounds Active against Plasmodium falciparum by High Throughput Screening of Microbial Natural Products. PLoS ONE, 2016, 11, e0145812.	2.5	31
34	Purification of metacyclic forms ofTrypanosoma cruzi by Percoll discontinuous gradient centrifugation. Zeitschrift FÃ¼r Parasitenkunde (Berlin, Germany), 1984, 70, 443-449.	0.8	30
35	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
36	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

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37	Co-existence of circular and multiple linear amplicons in methotrexate-resistantLeishmania. Nucleic Acids Research, 1995, 23, 2856-2864.	14.5	29
38	Characterization and regulation of Leishmania major 3-hydroxy-3-methylglutaryl-CoA reductase. Biochemical Journal, 2000, 349, 27-34.	3.7	28
39	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
40	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
41	Crystal Structure and DNA Repair Activities of the AP Endonuclease from Leishmania major. Journal of Molecular Biology, 2007, 373, 827-838.	4.2	24
42	Characterization of deoxyuridine 5â€²-triphosphate nucleotidohydrolase fromTrypanosoma cruzi1. FEBS Letters, 2002, 526, 147-150.	2.8	23
43	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
44	A soluble 3-hydroxy-3-methylglutaryl-CoA reductase in the protozoan Trypanosoma cruzi. Biochemical Journal, 1997, 324, 619-626.	3.7	22
45	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
46	Exploring new inhibitors of Plasmodium falciparum purine nucleoside phosphorylase. European Journal of Medicinal Chemistry, 2010, 45, 5140-5149.	5.5	22
47	Inhibition of lysosomal fusion by Trypanosoma cruzi in peritoneal macrophages. International Journal for Parasitology, 1986, 16, 629-632.	3.1	21
48	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
49	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
50	Characterization and regulation of Leishmania major 3-hydroxy-3-methylglutaryl-CoA reductase. Biochemical Journal, 2000, 349, 27.	3.7	18
51	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
52	Potential application of thymidylate kinase in nucleoside analogue activation in Plasmodium falciparum. Bioorganic and Medicinal Chemistry, 2010, 18, 7302-7309.	3.0	18
53	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
54	Modified 5â€²â€²-Trityl Nucleosides as Inhibitors of Plasmodium falciparum dUTPase. ChemMedChem, 2011, 6, 309-320.	3.2	18

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55	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
56	Kinetic properties and inhibition ofTrypanosoma cruzi3-hydroxy-3-methylglutaryl CoA reductase. FEBS Letters, 2002, 510, 141-144.	2.8	17
57	Lasionectrin, a Naphthopyrone from aLasionectriasp.. Journal of Natural Products, 2012, 75, 1228-1230.	3.0	17
58	Pyrimidine requirements in deoxyuridine triphosphate nucleotidohydrolase deficient Trypanosoma brucei mutants. Molecular and Biochemical Parasitology, 2013, 187, 9-13.	1.1	17
59	The nucleotidohydrolases DCTPP1 and dUTPase are involved in the cellular response to decitabine. Biochemical Journal, 2016, 473, 2635-2643.	3.7	17
60	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
61	A novel calcium-dependent soluble inorganic pyrophosphatase from the trypanosomatidLeishmania major. FEBS Letters, 2004, 560, 158-166.	2.8	16
62	Carbohydrate-Binding Non-Peptidic Pradimicins for the Treatment of Acute Sleeping Sickness in Murine Models. PLoS Pathogens, 2016, 12, e1005851.	4.7	16
63	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
64	Kinetic properties and specificity of trimeric Plasmodium falciparum and human dUTPases. Biochimie, 2010, 92, 178-186.	2.6	14
65	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
66	Amplification of the H locus in Leishmania infantum. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1994, 1227, 188-194.	3.8	13
67	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
68	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
69	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
70	MDN-0185, an Antiplasmodial Polycyclic Xanthone Isolated from Micromonospora sp. CA-256353. Journal of Natural Products, 2018, 81, 1687-1691.	3.0	12
71	Expression and characterization of the Trypanosoma cruzi dihydrofolate reductase domain. Molecular and Biochemical Parasitology, 1996, 76, 175-185.	1.1	11
72	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

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73	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
74	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
75	Antitrypanosomal Action of Cis-Diamminedichloroplatinum (II) Analogs. Journal of Parasitology, 1987, 73, 272.	0.7	10
76	Properties of Leishmania major dUTP nucleotidohydrolase, a distinct nucleotide-hydrolysing enzyme in kinetoplastids. Biochemical Journal, 2000, 346, 163.	3.7	10
77	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
78	InÂvitro antiplasmodial and cytotoxic activities of asymmetrical pyridinium derivatives. European Journal of Medicinal Chemistry, 2014, 85, 289-292.	5.5	10
79	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
80	Properties of Leishmania major dUTP nucleotidohydrolase, a distinct nucleotide-hydrolysing enzyme in kinetoplastids. Biochemical Journal, 2000, 346 Pt 1, 163-8.	3.7	10
81	New Antiparasitic Agents. Chemotherapy, 1988, 34, 127-133.	1.6	9
82	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
83	Insights into the role of endonuclease V in RNA metabolism in Trypanosoma brucei. Scientific Reports, 2017, 7, 8505.	3.3	9
84	Isolation and purification of amastigotes ofTrypanosoma cruzi from cultured Vero cells. Zeitschrift FÃ¼r Parasitenkunde (Berlin, Germany), 1985, 71, 15-17.	0.8	8
85	Effect of an Asp80Ala substitution on the binding of dUTP and dUMP to Trypanosoma cruzi dUTPase. Biochimie, 2007, 89, 972-980.	2.6	8
86	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
87	Contribution of Cytidine Deaminase to Thymidylate Biosynthesis in Trypanosoma brucei: Intracellular Localization and Properties of the Enzyme. MSphere, 2019, 4, .	2.9	7
88	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
89	1,2-Diphenoxiethane salts as potent antiplasmodial agents. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2485-2489.	2.2	6
90	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

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91	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
92	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
93	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
94	Resistance to Reinfection of HeLa Cells Parasitized by Trypanosoma cruzi. Journal of Parasitology, 1984, 70, 825.	0.7	4
95	Effect of interferon on the infectivity of Trypanosoma cruzi in cultured heLa cells. International Journal for Parasitology, 1985, 15, 167-170.	3.1	4
96	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
97	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
98	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
99	Inosine triphosphate pyrophosphatase from Trypanosoma brucei cleanses cytosolic pools from deaminated nucleotides. Scientific Reports, 2022, 12, 6408.	3.3	2
100	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