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List of Publications by Year
in descending order

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103 papers	4,394 citations	94433 37 h-index	118850 62 g-index
104 all docs	104 docs citations	104 times ranked	3462 citing authors

#	Article	IF	Citations
1	Modulation by flavonoids of cell multidrug resistance mediated by P-glycoprotein and related ABC transporters. Cellular and Molecular Life Sciences, 2002, 59, 307-322.	5.4	230
2	Functional Cloning of the Miltefosine Transporter. Journal of Biological Chemistry, 2003, 278, 49965-49971.	3.4	189
3	Flavonoid Structure-Activity Studies Identify 6-Prenylchrysin and Tectochrysin as Potent and Specific Inhibitors of Breast Cancer Resistance Protein ABCG2. Cancer Research, 2005, 65, 4852-4860.	0.9	181
4	Mechanisms of experimental resistance of Leishmania to miltefosine: Implications for clinical use. Drug Resistance Updates, 2006, 9, 26-39.	14.4	172
5	Leishmania donovani Resistance to Miltefosine Involves a Defective Inward Translocation of the Drug. Antimicrobial Agents and Chemotherapy, 2003, 47, 2397-2403.	3.2	165
6	Characterisation of Leishmania donovani promastigotes resistant to hexadecylphosphocholine (miltefosine). International Journal of Antimicrobial Agents, 2003, 22, 380-387.	2.5	157
7	Phospholipid Translocation and Miltefosine Potency Require Both L. donovani Miltefosine Transporter and the New Protein LdRos3 in Leishmania Parasites. Journal of Biological Chemistry, 2006, 281, 23766-23775.	3.4	149
8	Alkyl-Lysophospholipid Resistance in Multidrug-Resistant Leishmania tropica and Chemosensitization by a Novel P-Glycoprotein-Like Transporter Modulator. Antimicrobial Agents and Chemotherapy, 2001, 45, 2468-2474.	3.2	120
9	Inactivation of the miltefosine transporter, LdMT, causes miltefosine resistance that is conferred to the amastigote stage of Leishmania donovani and persists in vivo. International Journal of Antimicrobial Agents, 2007, 30, 229-235.	2.5	118
10	Characterization of an ABCG-Like Transporter from the Protozoan Parasite Leishmania with a Role in Drug Resistance and Transbilayer Lipid Movement. Antimicrobial Agents and Chemotherapy, 2008, 52, 3573-3579.	3.2	96
11	Leishmania donovani Develops Resistance to Drug Combinations. PLoS Neglected Tropical Diseases, 2012, 6, e1974.	3.0	93
12	Tafenoquine, an Antiplasmodial 8-Aminoquinoline, Targets Leishmania Respiratory Complex III and Induces Apoptosis. Antimicrobial Agents and Chemotherapy, 2010, 54, 5344-5351.	3.2	82
13	Genomic and Molecular Characterization of Miltefosine Resistance in Leishmania infantum Strains with Either Natural or Acquired Resistance through Experimental Selection of Intracellular Amastigotes. PLoS ONE, 2016, 11, e0154101.	2.5	80
14	Chemosensitization of a Multidrug-ResistantLeishmania tropicaLine by New Sesquiterpenes fromMaytenus magellanicaandMaytenus chubutensis. Journal of Medicinal Chemistry, 2001, 44, 4668-4676.	6.4	79
15	A novel ATP-binding cassette transporter from Leishmania is involved in transport of phosphatidylcholine analogues and resistance to alkyl-phospholipids. Molecular Microbiology, 2007, 64, 1141-1153.	2.5	78
16	Correlation between the Affinity of Flavonoids Binding to the Cytosolic Site ofLeishmania tropicaMultidrug Transporter and Their Efficiency To Revert Parasite Resistance to Daunomycinâ€. Biochemistry, 1999, 38, 1736-1743.	2.5	77
17	Altered Drug Membrane Permeability in a Multidrug-Resistant Leishmania tropica Line. Biochemical Pharmacology, 1998, 55, 131-139.	4.4	74
18	Low Plasma Membrane Expression of the Miltefosine Transport Complex Renders Leishmania braziliensis Refractory to the Drug. Antimicrobial Agents and Chemotherapy, 2009, 53, 1305-1313.	3.2	73

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19	Celastraceae Sesquiterpenes as a New Class of Modulators That Bind Specifically to Human P-Glycoprotein and Reverse Cellular Multidrug Resistance. Cancer Research, 2004, 64, 7130-7138.	0.9	72
20	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
21	Multidrug Resistance Phenotype Mediated by the P-Glycoprotein-Like Transporter in Leishmania: A Search for Reversal Agents. Current Drug Targets, 2002, 3, 311-333.	2.1	66
22	The 8-Aminoquinoline Analogue Sitamaquine Causes Oxidative Stress in Leishmania donovani Promastigotes by Targeting Succinate Dehydrogenase. Antimicrobial Agents and Chemotherapy, 2011, 55, 4204-4210.	3.2	65
23	New Natural Sesquiterpenes as Modulators of Daunomycin Resistance in a Multidrug-ResistantLeishmaniatropicaLineâ€–,âŠ¥. Journal of Medicinal Chemistry, 1999, 42, 4388-4393.	6.4	63
24	P-Glycoprotein overexpression in methotrexate-resistant Leishmania tropica. Biochemical Pharmacology, 1994, 47, 1939-1947.	4.4	57
25	A New ABC Half-Transporter in Leishmania major Is Involved in Resistance to Antimony. Antimicrobial Agents and Chemotherapy, 2013, 57, 3719-3730.	3.2	56
26	A pteridine reductase gene ptr1 contiguous to a P-glycoprotein confers resistance to antifolates in Trypanosoma cruzi1Note: nucleotide sequence data reported in this paper have been submitted to the GenBankTM data base with the accession number U61221.1. Molecular and Biochemical Parasitology, 1997, 90, 525-535.	1.1	55
27	The overexpression of a new ABC transporter in Leishmania is related to phospholipid trafficking and reduced infectivity. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1612, 195-207.	2.6	49
28	Genomic and transcriptomic alterations in Leishmania donovani lines experimentally resistant to antileishmanial drugs. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 246-264.	3.4	49
29	Experimental Resistance to Drug Combinations in Leishmania donovani: Metabolic and Phenotypic Adaptations. Antimicrobial Agents and Chemotherapy, 2015, 59, 2242-2255.	3.2	47
30	High-Affinity Binding of Silybin Derivatives to the Nucleotide-Binding Domain of a Leishmania tropica P-Glycoprotein-Like Transporter and Chemosensitization of a Multidrug-Resistant Parasite to Daunomycin. Antimicrobial Agents and Chemotherapy, 2001, 45, 439-446.	3.2	46
31	Dihidro-β-Agarofuran Sesquiterpenes: A New Class of Reversal Agents of the Multidrug Resistance Phenotype Mediated by P-Glycoprotein in the Protozoan Parasite Leishmania. Current Pharmaceutical Design, 2005, 11, 3125-3139.	1.9	46
32	Combination of Suboptimal Doses of Inhibitors Targeting Different Domains of LtrMDR1 Efficiently Overcomes Resistance of Leishmania spp. to Miltefosine by Inhibiting Drug Efflux. Antimicrobial Agents and Chemotherapy, 2006, 50, 3102-3110.	3.2	45
33	SAR Studies of Dihydro-Î²-agarofuran Sesquiterpenes as Inhibitors of the Multidrug-Resistance Phenotype in aLeishmaniatropicaLine Overexpressing a P-Glycoprotein-Like Transporter. Journal of Medicinal Chemistry, 2004, 47, 576-587.	6.4	43
34	Molecular characterization of a P-glycoprotein-related tcpgp2 gene in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1996, 75, 145-157.	1.1	42
35	Sitamaquine Overcomes ABC-Mediated Resistance to Miltefosine and Antimony inLeishmania. Antimicrobial Agents and Chemotherapy, 2011, 55, 3838-3844.	3.2	41
36	ABC transporters in the protozoan parasite Leishmania. International Microbiology, 2001, 4, 159-166.	2.4	39

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37	Biological Evaluation, Structureâ^'Activity Relationships, and Three-Dimensional Quantitative Structureâ^'Activity Relationship Studies of Dihydro-Î²-agarofuran Sesquiterpenes as Modulators of P-Glycoprotein-Dependent Multidrug Resistance. Journal of Medicinal Chemistry, 2007, 50, 4808-4817.	6.4	39
38	Evolutionary relationships in Trypanosoma cruzi: molecular phylogenetics supports the existence of a new major lineage of strains. Gene, 2000, 246, 331-338.	2.2	37
39	Involvement of thiol metabolism in resistance to glucantime in leishmania tropica. Biochemical Pharmacology, 1998, 56, 1201-1208.	4.4	36
40	The overexpression of an intracellular ABCA-like transporter alters phospholipid trafficking in Leishmania. Biochemical and Biophysical Research Communications, 2005, 330, 349-355.	2.1	36
41	A new ATPâ€binding cassette protein is involved in intracellular haem trafficking in Leishmania. Molecular Microbiology, 2011, 79, 1430-1444.	2.5	36
42	The LABCG2 Transporter from the Protozoan Parasite Leishmania Is Involved in Antimony Resistance. Antimicrobial Agents and Chemotherapy, 2016, 60, 3489-3496.	3.2	34
43	Bis-pyranobenzoquinones as a New Family of Reversal Agents of the Multidrug Resistance Phenotype Mediated by P-Glycoprotein in Mammalian Cells and the Protozoan Parasite Leishmania. Journal of Medicinal Chemistry, 2008, 51, 7132-7143.	6.4	33
44	Sitamaquine Sensitivity in Leishmania Species Is Not Mediated by Drug Accumulation in Acidocalcisomes. Antimicrobial Agents and Chemotherapy, 2008, 52, 4030-4036.	3.2	33
45	Characterization of an ABCA-like transporter involved in vesicular trafficking in the protozoan parasite Trypanosoma cruzi. Molecular Microbiology, 2004, 54, 632-646.	2.5	32
46	Disruption of the Lipid-Transporting LdMT-LdRos3 Complex in Leishmania donovani Affects Membrane Lipid Asymmetry but Not Host Cell Invasion. PLoS ONE, 2010, 5, e12443.	2.5	32
47	Reversion of Human Pgp-Dependent Multidrug Resistance by New Sesquiterpenes fromZinowiewiacostaricensis. Journal of Medicinal Chemistry, 2005, 48, 4266-4275.	6.4	31
48	Purification of metacyclic forms ofTrypanosoma cruzi by Percoll discontinuous gradient centrifugation. Zeitschrift FÃ¼r Parasitenkunde (Berlin, Germany), 1984, 70, 443-449.	0.8	30
49	Some factors affecting the in vitro invasion of HeLa cells by Trypanosoma cruzi. International Journal for Parasitology, 1984, 14, 253-257.	3.1	30
50	Novel dihydro-Î²-agarofuran sesquiterpenes as potent modulators of human P-glycoprotein dependent multidrug resistance. Organic and Biomolecular Chemistry, 2009, 7, 5166.	2.8	30
51	New terpenoids from Maytenus apurimacensis as MDR reversal agents in the parasite Leishmania. Bioorganic and Medicinal Chemistry, 2008, 16, 1425-1430.	3.0	28
52	Increased Glycolytic ATP Synthesis Is Associated with Tafenoquine Resistance inLeishmania major. Antimicrobial Agents and Chemotherapy, 2011, 55, 1045-1052.	3.2	28
53	Fitness of Leishmania donovani Parasites Resistant to Drug Combinations. PLoS Neglected Tropical Diseases, 2015, 9, e0003704.	3.0	28
54	Activity againstTrypanosoma cruzi of New Analogues of Nifurtimox. Archiv Der Pharmazie, 1987, 320, 115-120.	4.1	27

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55	4-Amino Bis-Pyridinium Derivatives as Novel Antileishmanial Agents. Antimicrobial Agents and Chemotherapy, 2014, 58, 4103-4112.	3.2	27
56	Antileishmanial activity of sp²-iminosugar derivatives. RSC Advances, 2015, 5, 21812-21822.	3.6	27
57	The anti-tumor alkylphospholipid perifosine is internalized by an ATP-dependent translocase activity across the plasma membrane of human KB carcinoma cells. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 530-540.	2.6	25
58	CDC50A plays a key role in the uptake of the anticancer drug perifosine in human carcinoma cells. Biochemical Pharmacology, 2010, 80, 793-800.	4.4	24
59	Decreased antimony uptake and overexpression of genes of thiol metabolism are associated with drug resistance in a canine isolate of Leishmania infantum. International Journal for Parasitology: Drugs and Drug Resistance, 2016, 6, 133-139.	3.4	24
60	LABCG2, a New ABC Transporter Implicated in Phosphatidylserine Exposure, Is Involved in the Infectivity and Pathogenicity of Leishmania. PLoS Neglected Tropical Diseases, 2013, 7, e2179.	3.0	23
61	Inhibition of lysosomal fusion by Trypanosoma cruzi in peritoneal macrophages. International Journal for Parasitology, 1986, 16, 629-632.	3.1	21
62	Trypanosoma cruzi: Calcium ion movement during internalization in host HeLa cells. International Journal for Parasitology, 1990, 20, 673-676.	3.1	21
63	Characterization of a new ATP-binding cassette transporter in Trypanosoma cruzi associated to a L1Tc retrotransposon. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1489, 428-432.	2.4	21
64	Rapid transport of phospholipids across the plasma membrane of Leishmania infantum. Biochemical and Biophysical Research Communications, 2003, 306, 250-255.	2.1	21
65	Optimization by Molecular Fine Tuning of Dihydro-Î²-agarofuran Sesquiterpenoids as Reversers of P-Glycoprotein-Mediated Multidrug Resistance. Journal of Medicinal Chemistry, 2016, 59, 1880-1890.	6.4	21
66	Pyridinium azolate betaines and their derivatives: a new class of antiprotozoal agents. European Journal of Medicinal Chemistry, 1990, 25, 309-319.	5.5	20
67	Functional expression of a multidrug P-glycoprotein transporter of Leishmania. Biochemical and Biophysical Research Communications, 2005, 329, 502-507.	2.1	20
68	Restoration of Chemosensitivity in P-Glycoprotein-Dependent Multidrug-Resistant Cells by Dihydro-Î²-agarofuran Sesquiterpenes from Celastrus vulcanicola. Journal of Natural Products, 2015, 78, 736-745.	3.0	20
69	Non-reducing trisaccharide fatty acid monoesters: Novel detergents in membrane biochemistry. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 717-726.	2.6	19
70	Overcoming human P-glycoprotein-dependent multidrug resistance with novel dihydro-Î²-agarofuran sesquiterpenes. European Journal of Medicinal Chemistry, 2011, 46, 4915-4923.	5.5	19
71	RU49953: a non-hormonal steroid derivative that potently inhibits P-glycoprotein and reverts cellular multidrug resistance. Cellular and Molecular Life Sciences, 2003, 60, 526-535.	5.4	18
72	Leishmanicidal and Reversal Multidrug Resistance Constituents fromAeonium lindleyi. Planta Medica, 2011, 77, 77-80.	1.3	18

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73	Oxazolo[3,2-a]pyridine. A new structural scaffold for the reversal of multi-drug resistance in Leishmania. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6272-6275.	2.2	18
74	Functional role of evolutionarily highly conserved residues, N-glycosylation level and domains of the Leishmania miltefosine transporter-Cdc50 subunit. Biochemical Journal, 2014, 459, 83-94.	3.7	17
75	Trypanosoma cruzi: Sequence of the ATP-Binding Site of a P-Glycoprotein Gene. Experimental Parasitology, 1994, 79, 63-67.	1.2	16
76	Two casein kinase 1 isoforms are differentially expressed in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2002, 124, 23-36.	1.1	16
77	Leishmania LABCG1 and LABCG2 transporters are involved in virulence and oxidative stress: functional linkage with autophagy. Parasites and Vectors, 2017, 10, 267.	2.5	16
78	Possible coexistence of two independent mechanisms contributing to anthracycline resistance in leukaemia P388 cells. European Journal of Cancer, 1993, 29, 2144-2150.	2.8	15
79	Amplification of the H locus in Leishmania infantum. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1994, 1227, 188-194.	3.8	13
80	Identification of specific reversal agents for Leishmania ABCI4-mediated antimony resistance by flavonoid and trolox derivative screening. Journal of Antimicrobial Chemotherapy, 2014, 69, 664-672.	3.0	13
81	A new member of YER057c family in Trypanosoma cruzi is adjacent to an ABC-transporter. Gene, 1998, 220, 1-12.	2.2	12
82	Insights into the molecular mechanism of action of Celastraceae sesquiterpenes as specific, non-transported inhibitors of human P-glycoprotein. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 98-110.	2.6	12
83	Terpenoids from Maytenus Species and Assessment of Their Reversal Activity against a Multidrugâ€Resistant Leishmania tropica Line. Chemistry and Biodiversity, 2011, 8, 2291-2298.	2.1	12
84	Increased P-Type ATPase Activity in Leishmania tropica Resistant to Methotrexate. Biochemical and Biophysical Research Communications, 1994, 199, 855-861.	2.1	11
85	Antitrypanosomal Action of Cis-Diamminedichloroplatinum (II) Analogs. Journal of Parasitology, 1987, 73, 272.	0.7	10
86	New Antiparasitic Agents. Chemotherapy, 1988, 34, 127-133.	1.6	9
87	Uptake of the antileishmania drug tafenoquine follows a sterol-dependent diffusion process in Leishmania. Journal of Antimicrobial Chemotherapy, 2011, 66, 2562-2565.	3.0	9
88	Design, synthesis and anti-leishmanial activity of novel symmetrical bispyridinium cyclophanes. European Journal of Medicinal Chemistry, 2015, 89, 362-369.	5.5	9
89	Isolation and purification of amastigotes ofTrypanosoma cruzi from cultured Vero cells. Zeitschrift FÃ¼r Parasitenkunde (Berlin, Germany), 1985, 71, 15-17.	0.8	8
90	A protein secreted by Trypanosoma cruzi capable of inducing the entry of inert particles into HeLa cells. International Journal for Parasitology, 1995, 25, 1213-1225.	3.1	6

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91	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
92	Resistance to Reinfection of HeLa Cells Parasitized by Trypanosoma cruzi. Journal of Parasitology, 1984, 70, 825.	0.7	4
93	Effect of interferon on the infectivity of Trypanosoma cruzi in cultured heLa cells. International Journal for Parasitology, 1985, 15, 167-170.	3.1	4
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	Mechanisms of Action of Substituted Î²-Amino Alkanols on Leishmania donovani. Antimicrobial Agents and Chemotherapy, 2015, 59, 1211-1218.	3.2	4
96	Leishmania LABCG2 transporter is involved in ATP-dependent transport of thiols. Biochemical Journal, 2018, 475, 87-97.	3.7	4
97	Inhibitory Effect of New Pyrimidine Bases onTrypanosoma Cruzi. Archiv Der Pharmazie, 1989, 322, 843-846.	4.1	3
98	Mechanisms of Miltefosine Resistance in Leishmania. , 2013, , 351-379.		3
99	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
100	Different catalytic activities of hexokinase and phosphofructokinase in wild type and glucantime-resistant Leishmania promastigotes appears not causatively related to resistance. European Journal of Protistology, 1999, 35, 338-341.	1.5	1
101	Trypanosoma cruzi: Molecular Cloning of a Gene Coding for a Putative Vacuolar Protein. Experimental Parasitology, 2000, 94, 129-131.	1.2	1
102	Functional role of highly conserved residues of the N-terminal tail and first transmembrane segment of a P4-ATPase. Biochemical Journal, 2018, 475, 887-899.	3.7	1
103	Symmetrical Pyridinium-Phanes and â€“Diazacyclophanes â€” Promising Heterocyclic Scaffolds for the Development of Anti-Leishmanial Agents. , 2016, , .		0