Patrick G Bray

List of Publications by Year
in descending order

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60 papers	4,495 citations	81900 39 h-index	138484 58 g-index
62 all docs	62 docs citations	62 times ranked	3581 citing authors

#	Article	IF	Citations
1	4-Aminoquinolinesâ€"Past, present, and future; A chemical perspective. , 1998, 77, 29-58.		242
2	Pentamidine uptake and resistance in pathogenic protozoa: past, present and future. Trends in Parasitology, 2003, 19, 232-239.	3.3	208
3	Access to Hematin: The Basis of Chloroquine Resistance. Molecular Pharmacology, 1998, 54, 170-179.	2.3	203
4	A critical role for PfCRT K76T in Plasmodium falciparum verapamil-reversible chloroquine resistance. EMBO Journal, 2005, 24, 2294-2305.	7.8	168
5	Relationship between Antimalarial Drug Activity, Accumulation, and Inhibition of Heme Polymerization in Plasmodium falciparum In Vitro. Antimicrobial Agents and Chemotherapy, 1998, 42, 682-686.	3.2	166
6	Evidence for a Central Role for PfCRT in Conferring Plasmodium falciparum Resistance to Diverse Antimalarial Agents. Molecular Cell, 2004, 15, 867-877.	9.7	157
7	Cellular Uptake of Chloroquine Is Dependent on Binding to Ferriprotoporphyrin IX and Is Independent of NHE Activity in Plasmodium falciparum. Journal of Cell Biology, 1999, 145, 363-376.	5.2	155
8	Defining the role of PfCRT in Plasmodium falciparum chloroquine resistance. Molecular Microbiology, 2005, 56, 323-333.	2.5	154
9	P-glycoprotein and transporter MRP1 reduce HIV protease inhibitor uptake in CD4 cells: potential for accelerated viral drug resistance?. Aids, 2001, 15, 1353-1358.	2.2	131
10	Isoquine and Related Amodiaquine Analogues:Â A New Generation of Improved 4-Aminoquinoline Antimalarials. Journal of Medicinal Chemistry, 2003, 46, 4933-4945.	6.4	130
11	Novel Short Chain Chloroquine Analogues Retain Activity Against Chloroquine Resistant K1Plasmodium falciparum. Journal of Medicinal Chemistry, 2002, 45, 4975-4983.	6.4	121
12	Functional Characterization and Target Validation of Alternative Complex I of Plasmodium falciparum Mitochondria. Antimicrobial Agents and Chemotherapy, 2006, 50, 1841-1851.	3.2	120
13	Mechanism-Based Design of Parasite-Targeted Artemisinin Derivatives:â€‰ Synthesis and Antimalarial Activity of New Diamine Containing Analogues. Journal of Medicinal Chemistry, 2002, 45, 1052-1063.	6.4	116
14	Evidence for a Common Nonâ€Heme Chelatableâ€Ironâ€Dependent Activation Mechanism for Semisynthetic and Synthetic Endoperoxide Antimalarial Drugs. Angewandte Chemie - International Edition, 2007, 46, 6278-6283.	13.8	116
15	Acidification of the Malaria Parasite's Digestive Vacuole by a H+-ATPase and a H+-pyrophosphatase. Journal of Biological Chemistry, 2003, 278, 5605-5612.	3.4	107
16	Synthesis, Antimalarial Activity, and Molecular Modeling of Tebuquine Analogues. Journal of Medicinal Chemistry, 1997, 40, 437-448.	6.4	105
17	A Medicinal Chemistry Perspective on 4-Aminoquinoline Antimalarial Drugs. Current Topics in Medicinal Chemistry, 2006, 6, 479-507.	2.1	104
18	Diamidine Compounds: Selective Uptake and Targeting inPlasmodium falciparum. Molecular Pharmacology, 2001, 59, 1298-1306.	2.3	101

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19	Antimalarial and Antitumor Evaluation of Novel C-10 Non-Acetal Dimers of 10Î²-(2-Hydroxyethyl)deoxoartemisinin. Journal of Medicinal Chemistry, 2004, 47, 1290-1298.	6.4	97
20	The role of drug accumulation in 4-aminoquinoline antimalarial potency. Biochemical Pharmacology, 1996, 52, 723-733.	4.4	88
21	PfCRT and the trans-vacuolar proton electrochemical gradient: regulating the access of chloroquine to ferriprotoporphyrin IX. Molecular Microbiology, 2006, 62, 238-251.	2.5	85
22	Acridinediones: Selective and Potent Inhibitors of the Malaria Parasite Mitochondrial bc1 Complex. Molecular Pharmacology, 2008, 73, 1347-1355.	2.3	85
23	Modulation of the intracellular accumulation of saquinavir in peripheral blood mononuclear cells by inhibitors of MRP1, MRP2, P-gp and BCRP. Aids, 2005, 19, 2097-2102.	2.2	84
24	Central Role of Hemoglobin Degradation in Mechanisms of Action of 4-Aminoquinolines, Quinoline Methanols, and Phenanthrene Methanols. Antimicrobial Agents and Chemotherapy, 1998, 42, 2973-2977.	3.2	81
25	Candidate Selection and Preclinical Evaluation of N-tert-Butyl Isoquine (GSK369796), An Affordable and Effective 4-Aminoquinoline Antimalarial for the 21st Century. Journal of Medicinal Chemistry, 2009, 52, 1408-1415.	6.4	80
26	Antimalarial chemotherapy: young guns or back to the future?. Trends in Parasitology, 2003, 19, 479-487.	3.3	79
27	Amodiaquine accumulation in Plasmodium falciparum as a possible explanation for its superior antimalarial activity over chloroquine. Molecular and Biochemical Parasitology, 1996, 80, 15-25.	1.1	78
28	A comparison of the phenomenology and genetics of multidrug resistance in cancer cells and quinoline resistance in Plasmodium falciparum. , 1998, 77, 1-28.		71
29	The malaria parasite type II NADH:quinone oxidoreductase: an alternative enzyme for an alternative lifestyle. Trends in Parasitology, 2007, 23, 305-310.	3.3	69
30	Primaquine synergises the activity of chloroquine against chloroquine-resistant P. falciparum. Biochemical Pharmacology, 2005, 70, 1158-1166.	4.4	68
31	Heme Binding Contributes to Antimalarial Activity of Bis-Quaternary Ammoniums. Antimicrobial Agents and Chemotherapy, 2003, 47, 2584-2589.	3.2	67
32	Semi-synthetic and synthetic 1,2,4-trioxaquines and 1,2,4-trioxolaquines: synthesis, preliminary SAR and comparison with acridine endoperoxide conjugates. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2038-2043.	2.2	64
33	Design and Synthesis of Endoperoxide Antimalarial Prodrug Models. Angewandte Chemie - International Edition, 2004, 43, 4193-4197.	13.8	56
34	Synthesis, Antimalarial Activity, and Preclinical Pharmacology of a Novel Series of 4â€²-Fluoro and 4â€²-Chloro Analogues of Amodiaquine. Identification of a Suitable â€œBack-Upâ€•Compound for N-tert-Butyl Isoquine. Journal of Medicinal Chemistry, 2009, 52, 1828-1844.	6.4	56
35	Antitumour and antimalarial activity of artemisininâ€“acridine hybrids. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2033-2037.	2.2	50
36	Glutathione Transport: A New Role for PfCRT in Chloroquine Resistance. Antioxidants and Redox Signaling, 2013, 19, 683-695.	5.4	50

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37	Vacuolar acidification and chloroquine sensitivity in plasmodium falciparum. Biochemical Pharmacology, 1992, 43, 1219-1227.	4.4	49
38	Relationship of global chloroquine transport and reversal of resistance in Plasmodium falciparum. Molecular and Biochemical Parasitology, 1994, 63, 87-94.	1.1	48
39	In vitro selection of halofantrine resistance in Plasmodium falciparum is not associated with increased expression of Pgh1. Molecular and Biochemical Parasitology, 1996, 83, 35-46.	1.1	47
40	Glycerol: An unexpected major metabolite of energy metabolism by the human malaria parasite. Malaria Journal, 2009, 8, 38.	2.3	47
41	Current drug development portfolio for antimalarial therapies. Current Opinion in Pharmacology, 2005, 5, 473-478.	3.5	46
42	Distribution of acridine orange fluorescence in Plasmodium falciparum-infected erythrocytes and its implications for the evaluation of digestive vacuole pH. Molecular and Biochemical Parasitology, 2002, 119, 301-304.	1.1	38
43	The pH of the Plasmodium falciparum digestive vacuole: holy grail or dead-end trail?. Trends in Parasitology, 2002, 18, 441-444.	3.3	32
44	Sequence and gene expression of chloroquine resistance transporter (pfcrt) in the association of in vitro drugs resistance of Plasmodium falciparum. Malaria Journal, 2011, 10, 42.	2.3	28
45	Potent Antihematozoan Activity of Novel Bisthiazolium Drug T16: Evidence for Inhibition of Phosphatidylcholine Metabolism in Erythrocytes Infected with Babesia and Plasmodium spp. Antimicrobial Agents and Chemotherapy, 2006, 50, 3381-3388.	3.2	27
46	In Vitro Synergy and Enhanced Murine Brain Penetration of Saquinavir Coadministered with Mefloquine. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 1202-1209.	2.5	26
47	Synthesis and Antimalarial Activities of a Diverse Set of Triazoleâ€Containing Furamidine Analogues. ChemMedChem, 2011, 6, 2094-2108.	3.2	26
48	Potent Enhancement of the Sensitivity of Plasmodium falciparum to Chloroquine by the Bisbenzylisoquinoline Alkaloid Cepharanthin. Antimicrobial Agents and Chemotherapy, 2000, 44, 2706-2708.	3.2	25
49	Malaria-parasite mitochondrial dehydrogenases as drug targets: too early to write the obituary. Trends in Parasitology, 2008, 24, 9-10.	3.3	24
50	The potential of desipramine to reverse chloroquine resistance of Plasmodium falciparum is reduced by its binding to plasma protein. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1993, 87, 303.	1.8	21
51	Prospects for the treatment of drug-resistant malaria parasites. Future Microbiology, 2006, 1, 127-141.	2.0	19
52	Further comments on the distribution of acridine orange fluorescence in P. falciparumâ€“infected erythrocytes. Molecular and Biochemical Parasitology, 2002, 119, 311-313.	1.1	16
53	Mutations Conferring Drug Resistance in Malaria Parasite Drug Transporters Pgh1 and PfCRT Do Not Affect Steady-State Vacuolar Ca 2+. Antimicrobial Agents and Chemotherapy, 2005, 49, 4807-4808.	3.2	13
54	Chloroquine Uptake and Activity is Determined by Binding to Ferriprotoporphyrin IX in Plasmodium Falciparum. Novartis Foundation Symposium, 1999, 226, 252-264.	1.1	9

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55	The accumulation and metabolism of zidovudine in 3T3â€F442A preâ€adipocytes. British Journal of Pharmacology, 2010, 159, 484-493.	5.4	8
56	An Acid-loading Chloride Transport Pathway in the Intraerythrocytic Malaria Parasite, Plasmodium falciparum. Journal of Biological Chemistry, 2010, 285, 18615-18626.	3.4	8
57	Concentration-dependent effects and intracellular accumulation of HIV protease inhibitors in cultured CD4 T cells and primary human lymphocytes. Journal of Antimicrobial Chemotherapy, 2010, 65, 906-916.	3.0	8
58	Drug-Regulated Expression ofPlasmodium falciparumP-Glycoprotein Homologue 1: a Putative Role for Nuclear Receptors. Antimicrobial Agents and Chemotherapy, 2008, 52, 1438-1445.	3.2	7
59	Altered binding of chloroquine to ferriprotoporphyrin IX is the basis for chloroquine resistance. Drug Resistance Updates, 1999, 2, 97-103.	14.4	4
60	Mechanisms of Antimalarial Drug Resistance. , 2009, , 561-574.		1