Katherine T Andrews

List of Publications by Year
in descending order

110 papers	4,580 citations	87888 38 h-index	114465 63 g-index
116 all docs	116 docs citations	116 times ranked	5799 citing authors

#	Article	IF	Citations
1	Discovery of a new family of carbonic anhydrases in the malaria pathogen Plasmodium falciparum â€"The Î-carbonic anhydrases. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4389-4396.	2.2	297
2	Drug repurposing and human parasitic protozoan diseases. International Journal for Parasitology: Drugs and Drug Resistance, 2014, 4, 95-111.	3.4	286
3	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. PLoS Pathogens, 2016, 12, e1005763.	4.7	244
4	Effect of Sequence Variation in Plasmodium falciparum Histidine- Rich Protein 2 on Binding of Specific Monoclonal Antibodies: Implications for Rapid Diagnostic Tests for Malaria. Journal of Clinical Microbiology, 2006, 44, 2773-2778.	3.9	155
5	Antiretrovirals as Antimalarial Agents. Journal of Infectious Diseases, 2004, 190, 1998-2000.	4.0	131
6	Potencies of Human Immunodeficiency Virus Protease Inhibitors In Vitro against Plasmodium falciparum and In Vivo against Murine Malaria. Antimicrobial Agents and Chemotherapy, 2006, 50, 639-648.	3.2	130
7	HDAC inhibitors in parasitic diseases. Immunology and Cell Biology, 2012, 90, 66-77.	2.3	126
8	RAP1 controls rhoptry targeting of RAP2 in the malaria parasite Plasmodium falciparum. EMBO Journal, 2000, 19, 2435-2443.	7.8	113
9	Potent Antimalarial Activity of Histone Deacetylase Inhibitor Analogues. Antimicrobial Agents and Chemotherapy, 2008, 52, 1454-1461.	3.2	112
10	Anti-malarial effect of histone deacetylation inhibitors and mammalian tumour cytodifferentiating agents. International Journal for Parasitology, 2000, 30, 761-768.	3.1	111
11	Acaricidal Activity of Eugenol Based Compounds against Scabies Mites. PLoS ONE, 2010, 5, e12079.	2.5	85
12	Effect of clinically approved HDAC inhibitors on Plasmodium, Leishmania and Schistosoma parasite growth. International Journal for Parasitology: Drugs and Drug Resistance, 2017, 7, 42-50.	3.4	82
13	Antimalarial Activity of Phenylthiazolyl-Bearing Hydroxamate-Based Histone Deacetylase Inhibitors. Antimicrobial Agents and Chemotherapy, 2008, 52, 3467-3477.	3.2	80
14	Targeting Histone Deacetylase Inhibitors for Anti-Malarial Therapy. Current Topics in Medicinal Chemistry, 2009, 9, 292-308.	2.1	78
15	Profiling the anti-protozoal activity of anti-cancer HDAC inhibitors against Plasmodium and Trypanosoma parasites. International Journal for Parasitology: Drugs and Drug Resistance, 2015, 5, 117-126.	3.4	77
16	Evidence for trafficking of PfEMP1 to the surface of P. falciparum-infected erythrocytes via a complex membrane network. European Journal of Cell Biology, 2003, 82, 271-284.	3.6	75
17	Antimalarial Activity of the Anticancer Histone Deacetylase Inhibitor SB939. Antimicrobial Agents and Chemotherapy, 2012, 56, 3849-3856.	3.2	74
18	Antiparasitic activity of alkaloids from plant species of Papua New Guinea and Australia. International Journal of Antimicrobial Agents, 2010, 36, 275-279.	2.5	73

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19	Antimalarial Activity of Pyrroloiminoquinones from the Australian Marine Sponge Zyzzya sp.. Journal of Medicinal Chemistry, 2012, 55, 5851-5858.	6.4	73
20	HIV and malaria co-infection: interactions and consequences of chemotherapy. Trends in Parasitology, 2008, 24, 264-271.	3.3	69
21	Discovery of HDAC inhibitors with potent activity against multiple malaria parasite life cycle stages. European Journal of Medicinal Chemistry, 2014, 82, 204-213.	5.5	68
22	Comparative Gene Expression Profiling of P. falciparum Malaria Parasites Exposed to Three Different Histone Deacetylase Inhibitors. PLoS ONE, 2012, 7, e31847.	2.5	63
23	Lysine Acetylation in Sexual Stage Malaria Parasites Is a Target for Antimalarial Small Molecules. Antimicrobial Agents and Chemotherapy, 2014, 58, 3666-3678.	3.2	62
24	Psammaplysin H, a new antimalarial bromotyrosine alkaloid from a marine sponge of the genus Pseudoceratina. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 846-848.	2.2	57
25	Direct Activation of Human Endothelial Cells by Plasmodium falciparum-Infected Erythrocytes. Infection and Immunity, 2005, 73, 3271-3277.	2.2	53
26	Ex VivoActivity of Histone Deacetylase Inhibitors against Multidrug-Resistant Clinical Isolates ofPlasmodium falciparumandP. vivax. Antimicrobial Agents and Chemotherapy, 2011, 55, 961-966.	3.2	53
27	Synergistic Interactions of the Antiretroviral Protease Inhibitors Saquinavir and Ritonavir with Chloroquine and Mefloquine against Plasmodium falciparum In Vitro. Antimicrobial Agents and Chemotherapy, 2007, 51, 759-762.	3.2	52
28	Sulfonamide inhibition studies of the Î-class carbonic anhydrase from the malaria pathogen Plasmodium falciparum. Bioorganic and Medicinal Chemistry, 2015, 23, 526-531.	3.0	52
29	Fragment-Based Screening of a Natural Product Library against 62 Potential Malaria Drug Targets Employing Native Mass Spectrometry. ACS Infectious Diseases, 2018, 4, 431-444.	3.8	50
30	Pestalactams Aâ€“C: novel caprolactams from the endophytic fungus Pestalotiopsis sp.. Organic and Biomolecular Chemistry, 2010, 8, 1785.	2.8	48
31	Intrapulmonary pharmacokinetics of antibiotics used to treat nosocomial pneumonia caused by Gram-negative bacilli: A systematic review. International Journal of Antimicrobial Agents, 2019, 53, 234-245.	2.5	45
32	Identification of novel quinazoline derivatives as potent antiplasmodial agents. European Journal of Medicinal Chemistry, 2019, 161, 277-291.	5.5	44
33	Inhibition of Chondroitin-4-Sulfate-Specific Adhesion of Plasmodium falciparum -Infected Erythrocytes by Sulfated Polysaccharides. Infection and Immunity, 2005, 73, 4288-4294.	2.2	43
34	Maternal malaria: Plasmodium falciparum sequestration in the placenta. Parasitology Research, 2002, 88, 715-723.	1.6	41
35	Carrageenans inhibit the in vitro growth of Plasmodium falciparum and cytoadhesion to CD36. Parasitology Research, 2005, 97, 290-294.	1.6	41
36	Antimalarial histone deacetylase inhibitors containing cinnamate or NSAID components. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 7080-7084.	2.2	41

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37	Psammaplysin Derivatives from the Balinese Marine Sponge Aplysinella strongylata. Journal of Natural Products, 2012, 75, 2132-2143.	3.0	40
38	Towards histone deacetylase inhibitors as new antimalarial drugs. Current Pharmaceutical Design, 2012, 18, 3467-79.	1.9	40
39	The activity of protease inhibitors against Giardia duodenalis and metronidazole-resistant Trichomonas vaginalis. International Journal of Antimicrobial Agents, 2007, 29, 98-102.	2.5	39
40	Synthesis and antimalarial evaluation of a screening library based on a tetrahydroanthraquinone natural product scaffold. Bioorganic and Medicinal Chemistry, 2012, 20, 7167-7174.	3.0	39
41	Plasmodium Gametocyte Inhibition Identified from a Natural-Product-Based Fragment Library. ACS Chemical Biology, 2013, 8, 2654-2659.	3.4	39
42	Efficacy of vaccines containing rhoptry-associated proteins RAP1 and RAP2 of Plasmodium falciparum in Saimiri boliviensis monkeys.. American Journal of Tropical Medicine and Hygiene, 2000, 62, 466-479.	1.4	37
43	Synthesis and antimalarial evaluation of novel benzopyrano[4,3-b]benzopyran derivatives. Bioorganic and Medicinal Chemistry, 2011, 19, 5199-5206.	3.0	36
44	Stronger Activity of Human Immunodeficiency Virus Type 1 Protease Inhibitors against Clinical Isolates of Plasmodium vivax than against Those of P. falciparum. Antimicrobial Agents and Chemotherapy, 2008, 52, 2435-2441.	3.2	34
45	Design and synthesis of screening libraries based on the muurolane natural product scaffold. Organic and Biomolecular Chemistry, 2012, 10, 4015.	2.8	34
46	Antimalarial Asexual Stage-Specific and Gametocytocidal Activities of HIV Protease Inhibitors. Antimicrobial Agents and Chemotherapy, 2010, 54, 1334-1337.	3.2	33
47	Plasmodium falciparum: new molecular targets with potential for antimalarial drug development. Expert Review of Anti-Infective Therapy, 2009, 7, 1087-1098.	4.4	32
48	Structural Basis for Binding of Plasmodium falciparum Erythrocyte Membrane Protein 1 to Chondroitin Sulfate and Placental Tissue and the Influence of Protein Polymorphisms on Binding Specificity*. Journal of Biological Chemistry, 2007, 282, 22426-22436.	3.4	30
49	Antimalarial activity of compounds comprising a primary benzene sulfonamide fragment. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6114-6117.	2.2	30
50	One-pot, multi-component synthesis and structure-activity relationships of peptoid-based histone deacetylase (HDAC) inhibitors targeting malaria parasites. European Journal of Medicinal Chemistry, 2018, 158, 801-813.	5.5	29
51	Reevaluating the classification ofHalobacteroidesandHaloanaerobacterspecies based on sequence comparisons of the 16S ribosomal RNA gene. FEMS Microbiology Letters, 1995, 134, 115-119.	1.8	28
52	Recovery of adhesion to chondroitin-4-sulphate in Plasmodium falciparum var CSA disruption mutants by antigenically similar PfEMP1 variants. Molecular Microbiology, 2004, 49, 655-669.	2.5	28
53	Antimalarial activity of sera from subjects taking HIV protease inhibitors. Aids, 2007, 21, 763-765.	2.2	28
54	Antimalarial activity of natural product extracts from Papua New Guinean and Australian plants against Plasmodium falciparum. Phytotherapy Research, 2008, 22, 1409-1412.	5.8	28

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55	Towards Histone Deacetylase Inhibitors as New Antimalarial Drugs. Current Pharmaceutical Design, 2012, , .	1.9	27
56	Synthesis, Antimalarial Properties, and SAR Studies of Alkoxyureaâ€Based HDAC Inhibitors. ChemMedChem, 2014, 9, 665-670.	3.2	26
57	Total Synthesis of Thiaplakortone A: Derivatives as Metabolically Stable Leads for the Treatment of Malaria. ACS Medicinal Chemistry Letters, 2014, 5, 178-182.	2.8	26
58	Antimalarial Isocyano and Isothiocyanato Sesquiterpenes with Tri- and Bicyclic Skeletons from the Nudibranch Phyllidia ocellata. Journal of Natural Products, 2015, 78, 1422-1427.	3.0	26
59	Inhibition of Plasmodium falciparum Growth In Vitro and Adhesion to Chondroitin-4-Sulfate by the Heparan Sulfate Mimetic PI-88 and Other Sulfated Oligosaccharides. Antimicrobial Agents and Chemotherapy, 2006, 50, 2850-2852.	3.2	25
60	Synthesis and antimalarial evaluation of amide and urea derivatives based on the thiaplakortone A natural product scaffold. Organic and Biomolecular Chemistry, 2015, 13, 1558-1570.	2.8	25
61	Defining the targets of antiparasitic compounds. Drug Discovery Today, 2016, 21, 725-739.	6.4	25
62	Catalyst-Controlled Stereoselective Synthesis Secures the Structure of the Antimalarial Isocyanoterpene Pustulosaisonitrile-1. Journal of Organic Chemistry, 2017, 82, 13313-13323.	3.2	25
63	Deguelin exerts potent nematocidal activity via the mitochondrial respiratory chain. FASEB Journal, 2017, 31, 4515-4532.	0.5	25
64	Assessing the anthelmintic activity of pyrazole-5-carboxamide derivatives against Haemonchus contortus. Parasites and Vectors, 2017, 10, 272.	2.5	25
65	Structureâ€“Activity and Structureâ€“Toxicity Relationships of Peptoidâ€Based Histone Deacetylase Inhibitors with Dualâ€Stage Antiplasmodial Activity. ChemMedChem, 2019, 14, 912-926.	3.2	24
66	Entonalactams Aâ€“C: Isoindolinone derivatives from an Australian rainforest fungus belonging to the genus Entonaema. Phytochemistry, 2015, 117, 10-16.	2.9	21
67	Î²-lactam antibiotic versus combined Î²-lactam antibiotics and single daily dosing regimens of aminoglycosides for treating serious infections: A meta-analysis. International Journal of Antimicrobial Agents, 2020, 55, 105839.	2.5	21
68	Synthesis and Evaluation of Antimalarial Properties of Novel 4â€Aminoquinoline Hybrid Compounds. Chemical Biology and Drug Design, 2014, 84, 462-472.	3.2	20
69	A novel inÂvitro image-based assay identifies new drug leads for giardiasis. International Journal for Parasitology: Drugs and Drug Resistance, 2017, 7, 83-89.	3.4	20
70	Activity of bromodomain protein inhibitors/binders against asexual-stage Plasmodium falciparum parasites. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 189-193.	3.4	20
71	Cyclization-blocked proguanil as a strategy to improve the antimalarial activity of atovaquone. Communications Biology, 2019, 2, 166.	4.4	20
72	Chemical investigation of an antimalarial Chinese medicinal herb Picrorhiza scrophulariiflora. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5915-5918.	2.2	17

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73	The discovery, synthesis and antimalarial evaluation of natural product-based polyamine alkaloids. Tetrahedron Letters, 2013, 54, 5188-5191.	1.4	16
74	Rapid loss of group 1 innate lymphoid cells during blood stage Plasmodium infection. Clinical and Translational Immunology, 2018, 7, e1003.	3.8	16
75	Characterization of VAR2CSA-deficient Plasmodium falciparum-infected erythrocytes selected for adhesion to the BeWo placental cell line. Malaria Journal, 2008, 7, 51.	2.3	15
76	Design and Synthesis of Terephthalic Acidâ€Based Histone Deacetylase Inhibitors with Dualâ€Stage Antiâ€• Plasmodium Activity. ChemMedChem, 2017, 12, 1627-1636.	3.2	14
77	Antimalarial activity of azadipeptide nitriles. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 252-255.	2.2	13
78	Adaptation of the [³ H]Hypoxanthine Uptake Assay for In Vitro -Cultured Plasmodium knowlesi Malaria Parasites. Antimicrobial Agents and Chemotherapy, 2016, 60, 4361-4363.	3.2	13
79	Investigating the antiplasmodial activity of primary sulfonamide compounds identified in open source malaria data. International Journal for Parasitology: Drugs and Drug Resistance, 2017, 7, 61-70.	3.4	13
80	Synthesis, biological characterisation and structure activity relationships of aromatic bisamidines active against Plasmodium falciparum. European Journal of Medicinal Chemistry, 2017, 127, 22-40.	5.5	13
81	Regioselectively modified sulfated cellulose as prospective drug for treatment of malaria tropica. Glycoconjugate Journal, 2007, 24, 57-65.	2.7	12
82	Antiplasmodial activity of the natural product compounds alstonine and himbeline. International Journal for Parasitology: Drugs and Drug Resistance, 2021, 16, 17-22.	3.4	11
83	Adherence of Plasmodium falciparum infected erythrocytes to CHO-745 cells and inhibition of binding by protein A in the presence of human serum. International Journal for Parasitology, 2005, 35, 1127-1134.	3.1	9
84	Design and Synthesis of Novel Antiâ€Plasmodial Histone Deacetylase Inhibitors Containing an Alkoxyamide Connecting Unit. Archiv Der Pharmazie, 2017, 350, 1600347.	4.1	9
85	A Sesquiterpene Isonitrile with a New Tricyclic Skeleton from the Indo-Pacific Nudibranch Phyllidiella pustulosa: Spectroscopic and Computational Studies. Australian Journal of Chemistry, 2020, 73, 129.	0.9	9
86	The histone H4 gene of Plasmodium falciparum is developmentally transcribed in asexual parasites. Parasitology Research, 2003, 90, 387-389.	1.6	8
87	Reply to Savarino et al.. Journal of Infectious Diseases, 2005, 191, 1382-1383.	4.0	8
88	Proteomic analysis of Plasmodium falciparum histone deacetylase 1 complex proteins. Experimental Parasitology, 2019, 198, 7-16.	1.2	8
89	Investigation of the inÂvitro and inÂvivo efficacy of peptoid-based HDAC inhibitors with dual-stage antiplasmodial activity. European Journal of Medicinal Chemistry, 2021, 211, 113065.	5.5	8
90	QSAR Classification Models for Prediction of Hydroxamate Histone Deacetylase Inhibitor Activity against Malaria Parasites. ACS Infectious Diseases, 2022, 8, 106-117.	3.8	8

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91	Comparison of different PCR protocols for the detection and diagnosis of Plasmodium falciparum. Parasitology Research, 2005, 97, 424-428.	1.6	7
92	Plagiarism. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2009, 103, 855.	1.8	7
93	Pharmacodynamic Evaluation of Plasma and Epithelial Lining Fluid Exposures of Amikacin against Pseudomonas aeruginosa in a Dynamic In Vitro Hollow-Fiber Infection Model. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	7
94	HIV-Malaria Interactions: Don't Forget the Drugs. Science, 2007, 315, 1791-1791.	12.6	6
95	The RhDâ˜ Trait in a White Patient With the RhCCee Phenotype Attributed to a Four-Nucleotide Deletion in theRHD Gene. Blood, 1998, 92, 1839-1840.	1.4	6
96	Synthesis and Antiplasmodial Evaluation of Analogues Based on the Tricyclic Core of Thiaplakortones Aâ€“D. Marine Drugs, 2015, 13, 5784-5795.	4.6	5
97	The Key Glycolytic Enzyme Phosphofructokinase Is Involved in Resistance to Antiplasmodial Glycosides. MBio, 2020, 11, .	4.1	5
98	Evaluation of the role of the endocytic receptor L-SIGN for cytoadhesion of Plasmodium falciparum-infected erythrocytes. Parasitology Research, 2005, 96, 247-252.	1.6	4
99	Effect of cytokine treatment on the in vitro expression of the P. falciparum adhesion receptor chondroitin-4-sulphate on the surface of human choriocarcinoma (BeWo) cells. Parasitology Research, 2007, 101, 479-483.	1.6	4
100	ASSOCIATION OF PLASMODIUM FALCIPARUM ISOLATES ENCODING THE P. FALCIPARUM CHLOROQUINE RESISTANCE TRANSPORTER GENE K76T POLYMORPHISM WITH ANEMIA AND SPLENOMEGALY, BUT NOT WITH MULTIPLE INFECTIONS. American Journal of Tropical Medicine and Hygiene, 2005, 72, 252-255.	1.4	4
101	Apparent bias for P. falciparum parasites carrying the wild-type pfcrt allele in the placenta. Parasitology Research, 2010, 106, 1065-1070.	1.6	3
102	An ELISA method to assess HDAC inhibitor-induced alterations to P. falciparum histone lysine acetylation. International Journal for Parasitology: Drugs and Drug Resistance, 2020, 14, 249-256.	3.4	3
103	Histone deacetylase inhibitor AR-42 and achiral analogues kill malaria parasites in vitro and in mice. International Journal for Parasitology: Drugs and Drug Resistance, 2021, 17, 118-127.	3.4	3
104	Engaging rural Australian communities in National Science Week helps increase visibility for women researchers. Royal Society Open Science, 2017, 4, 170548.	2.4	2
105	Impact of the Epithelial Lining Fluid Milieu on Amikacin Pharmacodynamics Against Pseudomonas aeruginosa. Drugs in R and D, 2021, 21, 203-215.	2.2	2
106	Pharmacodynamics of once- versus twice-daily dosing of nebulized amikacin in an in vitro Hollow-Fiber Infection Model against 3 clinical isolates of Pseudomonas aeruginosa. Diagnostic Microbiology and Infectious Disease, 2021, 100, 115329.	1.8	2
107	FgoI, a Type II restriction endonuclease from the thermoanaerobeFervidobacterium gondwanenseAB39T. Anaerobe, 1998, 4, 227-232.	2.1	1
108	Antimalarial natural products from traditional chinese medicinal herbs. Planta Medica, 2012, 78, .	1.3	0

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109	A new Fistularin-3 Derivative from an Australian Sponge Pseudoceratinasp.. The Open Conference Proceedings Journal, 2013, 4, 41-41.	0.6	0
110	Discovery, Synthesis and Antimalarial Evaluation of Natural Product-based Polyamines. Planta Medica, 2013, 79, .	1.3	0