

Katherine T Andrews

List of Publications by Year in descending order

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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	QSAR Classification Models for Prediction of Hydroxamate Histone Deacetylase Inhibitor Activity against Malaria Parasites. <i>ACS Infectious Diseases</i> , 2022, 8, 106-117.	3.8	8
2	Investigation of the inÂvitro and inÂvivo efficacy of peptoid-based HDAC inhibitors with dual-stage antiplasmodial activity. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113065.	5.5	8
3	Impact of the Epithelial Lining Fluid Milieu on Amikacin Pharmacodynamics Against <i>Pseudomonas aeruginosa</i> . <i>Drugs in R and D</i> , 2021, 21, 203-215.	2.2	2
4	Pharmacodynamics of once- versus twice-daily dosing of nebulized amikacin in an in vitro Hollow-Fiber Infection Model against 3 clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 100, 115329.	1.8	2
5	Antiplasmodial activity of the natural product compounds alstonine and himbeline. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2021, 16, 17-22.	3.4	11
6	Histone deacetylase inhibitor AR-42 and achiral analogues kill malaria parasites in vitro and in mice. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2021, 17, 118-127.	3.4	3
7	β -lactam antibiotic versus combined β -lactam antibiotics and single daily dosing regimens of aminoglycosides for treating serious infections: A meta-analysis. <i>International Journal of Antimicrobial Agents</i> , 2020, 55, 105839.	2.5	21
8	Pharmacodynamic Evaluation of Plasma and Epithelial Lining Fluid Exposures of Amikacin against <i>Pseudomonas aeruginosa</i> in a Dynamic <i>In Vitro</i> Hollow-Fiber Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	7
9	The Key Glycolytic Enzyme Phosphofructokinase Is Involved in Resistance to Antiplasmodial Glycosides. <i>MBio</i> , 2020, 11, .	4.1	5
10	An ELISA method to assess HDAC inhibitor-induced alterations to <i>P. falciparum</i> histone lysine acetylation. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2020, 14, 249-256.	3.4	3
11	A Sesquiterpene Isonitrile with a New Tricyclic Skeleton from the Indo-Pacific Nudibranch <i>Phyllidiella pustulosa</i> : Spectroscopic and Computational Studies. <i>Australian Journal of Chemistry</i> , 2020, 73, 129.	0.9	9
12	Structure-Activity and Structure-Toxicity Relationships of Peptoid-Based Histone Deacetylase Inhibitors with Dual-Stage Antiplasmodial Activity. <i>ChemMedChem</i> , 2019, 14, 912-926.	3.2	24
13	Proteomic analysis of <i>Plasmodium falciparum</i> histone deacetylase 1 complex proteins. <i>Experimental Parasitology</i> , 2019, 198, 7-16.	1.2	8
14	Cyclization-blocked proguanil as a strategy to improve the antimalarial activity of atovaquone. <i>Communications Biology</i> , 2019, 2, 166.	4.4	20
15	Intrapulmonary pharmacokinetics of antibiotics used to treat nosocomial pneumonia caused by Gram-negative bacilli: A systematic review. <i>International Journal of Antimicrobial Agents</i> , 2019, 53, 234-245.	2.5	45
16	Identification of novel quinazoline derivatives as potent antiplasmodial agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 277-291.	5.5	44
17	Rapid loss of group 1 innate lymphoid cells during blood stage <i>Plasmodium</i> infection. <i>Clinical and Translational Immunology</i> , 2018, 7, e1003.	3.8	16
18	Fragment-Based Screening of a Natural Product Library against 62 Potential Malaria Drug Targets Employing Native Mass Spectrometry. <i>ACS Infectious Diseases</i> , 2018, 4, 431-444.	3.8	50

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19	Activity of bromodomain protein inhibitors/binders against asexual-stage <i>Plasmodium falciparum</i> parasites. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 189-193.	3.4	20
20	One-pot, multi-component synthesis and structure-activity relationships of peptoid-based histone deacetylase (HDAC) inhibitors targeting malaria parasites. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 801-813.	5.5	29
21	Effect of clinically approved HDAC inhibitors on <i>Plasmodium</i> , <i>Leishmania</i> and <i>Schistosoma</i> parasite growth. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2017, 7, 42-50.	3.4	82
22	Investigating the antiplasmodial activity of primary sulfonamide compounds identified in open source malaria data. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2017, 7, 61-70.	3.4	13
23	A novel <i>in vitro</i> image-based assay identifies new drug leads for giardiasis. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2017, 7, 83-89.	3.4	20
24	Design and Synthesis of Novel Anti-Plasmodial Histone Deacetylase Inhibitors Containing an Alkoxyamide Connecting Unit. <i>Archiv Der Pharmazie</i> , 2017, 350, 1600347.	4.1	9
25	Synthesis, biological characterisation and structure activity relationships of aromatic bisamidines active against <i>Plasmodium falciparum</i> . <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 22-40.	5.5	13
26	Design and Synthesis of Terephthalic Acid-Based Histone Deacetylase Inhibitors with Dual-Stage Anti-Plasmodium Activity. <i>ChemMedChem</i> , 2017, 12, 1627-1636.	3.2	14
27	Catalyst-Controlled Stereoselective Synthesis Secures the Structure of the Antimalarial Isocyanoterpene Pustulosaisonitrile-1. <i>Journal of Organic Chemistry</i> , 2017, 82, 13313-13323.	3.2	25
28	Deguelin exerts potent nematocidal activity via the mitochondrial respiratory chain. <i>FASEB Journal</i> , 2017, 31, 4515-4532.	0.5	25
29	Assessing the anthelmintic activity of pyrazole-5-carboxamide derivatives against <i>Haemonchus contortus</i> . <i>Parasites and Vectors</i> , 2017, 10, 272.	2.5	25
30	Engaging rural Australian communities in National Science Week helps increase visibility for women researchers. <i>Royal Society Open Science</i> , 2017, 4, 170548.	2.4	2
31	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. <i>PLoS Pathogens</i> , 2016, 12, e1005763.	4.7	244
32	Adaptation of the [³ H]Hypoxanthine Uptake Assay for <i>In Vitro</i> -Cultured <i>Plasmodium knowlesi</i> Malaria Parasites. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4361-4363.	3.2	13
33	Defining the targets of antiparasitic compounds. <i>Drug Discovery Today</i> , 2016, 21, 725-739.	6.4	25
34	Synthesis and Antiplasmodial Evaluation of Analogues Based on the Tricyclic Core of Thiaplakortones A-D. <i>Marine Drugs</i> , 2015, 13, 5784-5795.	4.6	5
35	Entonolactams C: Isoindolinone derivatives from an Australian rainforest fungus belonging to the genus <i>Entonaema</i> . <i>Phytochemistry</i> , 2015, 117, 10-16.	2.9	21
36	Profiling the anti-protozoal activity of anti-cancer HDAC inhibitors against <i>Plasmodium</i> and <i>Trypanosoma</i> parasites. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2015, 5, 117-126.	3.4	77

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37	Antimalarial Isocyano and Isothiocyanato Sesquiterpenes with Tri- and Bicyclic Skeletons from the Nudibranch <i>Phyllidia ocellata</i> . <i>Journal of Natural Products</i> , 2015, 78, 1422-1427.	3.0	26
38	Sulfonamide inhibition studies of the $\hat{\text{I}}$ -class carbonic anhydrase from the malaria pathogen <i>Plasmodium falciparum</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 526-531.	3.0	52
39	Synthesis and antimalarial evaluation of amide and urea derivatives based on the thiaplakortone A natural product scaffold. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1558-1570.	2.8	25
40	Synthesis and Evaluation of Antimalarial Properties of Novel 4-Aminoquinoline Hybrid Compounds. <i>Chemical Biology and Drug Design</i> , 2014, 84, 462-472.	3.2	20
41	Synthesis, Antimalarial Properties, and SAR Studies of Alkoxyurea-Based HDAC Inhibitors. <i>ChemMedChem</i> , 2014, 9, 665-670.	3.2	26
42	Drug repurposing and human parasitic protozoan diseases. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2014, 4, 95-111.	3.4	286
43	Lysine Acetylation in Sexual Stage Malaria Parasites Is a Target for Antimalarial Small Molecules. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 3666-3678.	3.2	62
44	Total Synthesis of Thiaplakortone A: Derivatives as Metabolically Stable Leads for the Treatment of Malaria. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 178-182.	2.8	26
45	Discovery of a new family of carbonic anhydrases in the malaria pathogen <i>Plasmodium falciparum</i> – The $\hat{\text{I}}$ -carbonic anhydrases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4389-4396.	2.2	297
46	Discovery of HDAC inhibitors with potent activity against multiple malaria parasite life cycle stages. <i>European Journal of Medicinal Chemistry</i> , 2014, 82, 204-213.	5.5	68
47	The discovery, synthesis and antimalarial evaluation of natural product-based polyamine alkaloids. <i>Tetrahedron Letters</i> , 2013, 54, 5188-5191.	1.4	16
48	Antimalarial activity of compounds comprising a primary benzene sulfonamide fragment. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6114-6117.	2.2	30
49	Chemical investigation of an antimalarial Chinese medicinal herb <i>Picrorhiza scrophulariiflora</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5915-5918.	2.2	17
50	<i>Plasmodium</i> Gametocyte Inhibition Identified from a Natural-Product-Based Fragment Library. <i>ACS Chemical Biology</i> , 2013, 8, 2654-2659.	3.4	39
51	A new Fistularin-3 Derivative from an Australian Sponge <i>Pseudoceratina</i> sp.. <i>The Open Conference Proceedings Journal</i> , 2013, 4, 41-41.	0.6	0
52	Discovery, Synthesis and Antimalarial Evaluation of Natural Product-based Polyamines. <i>Planta Medica</i> , 2013, 79, .	1.3	0
53	Antimalarial Activity of the Anticancer Histone Deacetylase Inhibitor SB939. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3849-3856.	3.2	74
54	Towards Histone Deacetylase Inhibitors as New Antimalarial Drugs. <i>Current Pharmaceutical Design</i> , 2012, , .	1.9	27

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55	Synthesis and antimalarial evaluation of a screening library based on a tetrahydroanthraquinone natural product scaffold. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 7167-7174.	3.0	39
56	Psammalyisin Derivatives from the Balinese Marine Sponge <i>Aplysinella strongylata</i> . <i>Journal of Natural Products</i> , 2012, 75, 2132-2143.	3.0	40
57	Design and synthesis of screening libraries based on the muurolane natural product scaffold. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4015.	2.8	34
58	HDAC inhibitors in parasitic diseases. <i>Immunology and Cell Biology</i> , 2012, 90, 66-77.	2.3	126
59	Antimalarial Activity of Pyrroloiminoquinones from the Australian Marine Sponge <i>Zyzya</i> sp.. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5851-5858.	6.4	73
60	Comparative Gene Expression Profiling of <i>P. falciparum</i> Malaria Parasites Exposed to Three Different Histone Deacetylase Inhibitors. <i>PLoS ONE</i> , 2012, 7, e31847.	2.5	63
61	Antimalarial natural products from traditional chinese medicinal herbs. <i>Planta Medica</i> , 2012, 78, .	1.3	0
62	Towards histone deacetylase inhibitors as new antimalarial drugs. <i>Current Pharmaceutical Design</i> , 2012, 18, 3467-79.	1.9	40
63	<i>Ex Vivo</i> Activity of Histone Deacetylase Inhibitors against Multidrug-Resistant Clinical Isolates of <i>Plasmodium falciparum</i> and <i>P. vivax</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 961-966.	3.2	53
64	Synthesis and antimalarial evaluation of novel benzopyrano[4,3-b]benzopyran derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 5199-5206.	3.0	36
65	Psammalyisin H, a new antimalarial bromotyrosine alkaloid from a marine sponge of the genus <i>Pseudoceratina</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 846-848.	2.2	57
66	Apparent bias for <i>P. falciparum</i> parasites carrying the wild-type pfprt allele in the placenta. <i>Parasitology Research</i> , 2010, 106, 1065-1070.	1.6	3
67	Antimalarial activity of azadipeptide nitriles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 252-255.	2.2	13
68	Antimalarial histone deacetylase inhibitors containing cinnamate or NSAID components. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7080-7084.	2.2	41
69	Acaricidal Activity of Eugenol Based Compounds against Scabies Mites. <i>PLoS ONE</i> , 2010, 5, e12079.	2.5	85
70	Antimalarial Asexual Stage-Specific and Gametocytocidal Activities of HIV Protease Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1334-1337.	3.2	33
71	Antiparasitic activity of alkaloids from plant species of Papua New Guinea and Australia. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 275-279.	2.5	73
72	Pestalactams A-C: novel caprolactams from the endophytic fungus <i>Pestalotiopsis</i> sp.. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1785.	2.8	48

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73	Plagiarism. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2009, 103, 855.	1.8	7
74	Targeting Histone Deacetylase Inhibitors for Anti-Malarial Therapy. Current Topics in Medicinal Chemistry, 2009, 9, 292-308.	2.1	78
75	<i>Plasmodium falciparum</i> : new molecular targets with potential for antimalarial drug development. Expert Review of Anti-Infective Therapy, 2009, 7, 1087-1098.	4.4	32
76	Antimalarial activity of natural product extracts from Papua New Guinean and Australian plants against <i>Plasmodium falciparum</i> . Phytotherapy Research, 2008, 22, 1409-1412.	5.8	28
77	HIV and malaria co-infection: interactions and consequences of chemotherapy. Trends in Parasitology, 2008, 24, 264-271.	3.3	69
78	Potent Antimalarial Activity of Histone Deacetylase Inhibitor Analogues. Antimicrobial Agents and Chemotherapy, 2008, 52, 1454-1461.	3.2	112
79	Characterization of VAR2CSA-deficient <i>Plasmodium falciparum</i> -infected erythrocytes selected for adhesion to the BeWo placental cell line. Malaria Journal, 2008, 7, 51.	2.3	15
80	Stronger Activity of Human Immunodeficiency Virus Type 1 Protease Inhibitors against Clinical Isolates of <i>Plasmodium vivax</i> than against Those of <i>P. falciparum</i> . Antimicrobial Agents and Chemotherapy, 2008, 52, 2435-2441.	3.2	34
81	Antimalarial Activity of Phenylthiazolyl-Bearing Hydroxamate-Based Histone Deacetylase Inhibitors. Antimicrobial Agents and Chemotherapy, 2008, 52, 3467-3477.	3.2	80
82	HIV-Malaria Interactions: Don't Forget the Drugs. Science, 2007, 315, 1791-1791.	12.6	6
83	Synergistic Interactions of the Antiretroviral Protease Inhibitors Saquinavir and Ritonavir with Chloroquine and Mefloquine against <i>Plasmodium falciparum</i> In Vitro. Antimicrobial Agents and Chemotherapy, 2007, 51, 759-762.	3.2	52
84	Structural Basis for Binding of <i>Plasmodium falciparum</i> 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
85	Antimalarial activity of sera from subjects taking HIV protease inhibitors. Aids, 2007, 21, 763-765.	2.2	28
86	The activity of protease inhibitors against <i>Giardia duodenalis</i> and metronidazole-resistant <i>Trichomonas vaginalis</i> . International Journal of Antimicrobial Agents, 2007, 29, 98-102.	2.5	39
87	Regioselectively modified sulfated cellulose as prospective drug for treatment of malaria tropica. Glycoconjugate Journal, 2007, 24, 57-65.	2.7	12
88	Effect of cytokine treatment on the in vitro expression of the <i>P. falciparum</i> adhesion receptor chondroitin-4-sulphate on the surface of human choriocarcinoma (BeWo) cells. Parasitology Research, 2007, 101, 479-483.	1.6	4
89	Inhibition of <i>Plasmodium falciparum</i> 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
90	Effect of Sequence Variation in <i>Plasmodium falciparum</i> 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

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91	Potencies of Human Immunodeficiency Virus Protease Inhibitors In Vitro against Plasmodium falciparum and In Vivo against Murine Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 639-648.	3.2	130
92	Inhibition of Chondroitin-4-Sulfate-Specific Adhesion of Plasmodium falciparum -Infected Erythrocytes by Sulfated Polysaccharides. <i>Infection and Immunity</i> , 2005, 73, 4288-4294.	2.2	43
93	Adherence of Plasmodium falciparum infected erythrocytes to CHO-745 cells and inhibition of binding by protein A in the presence of human serum. <i>International Journal for Parasitology</i> , 2005, 35, 1127-1134.	3.1	9
94	Evaluation of the role of the endocytic receptor L-SIGN for cytoadhesion of Plasmodium falciparum-infected erythrocytes. <i>Parasitology Research</i> , 2005, 96, 247-252.	1.6	4
95	Carrageenans inhibit the in vitro growth of Plasmodium falciparum and cytoadhesion to CD36. <i>Parasitology Research</i> , 2005, 97, 290-294.	1.6	41
96	Comparison of different PCR protocols for the detection and diagnosis of Plasmodium falciparum. <i>Parasitology Research</i> , 2005, 97, 424-428.	1.6	7
97	Reply to Savarino et al.. <i>Journal of Infectious Diseases</i> , 2005, 191, 1382-1383.	4.0	8
98	Direct Activation of Human Endothelial Cells by Plasmodium falciparum-Infected Erythrocytes. <i>Infection and Immunity</i> , 2005, 73, 3271-3277.	2.2	53
99	ASSOCIATION OF PLASMODIUM FALCIPARUM ISOLATES ENCODING THE P. FALCIPARUM CHLOROQUINE RESISTANCE TRANSPORTER GENE K76T POLYMORPHISM WITH ANEMIA AND SPLENOMEGALY, BUT NOT WITH MULTIPLE INFECTIONS. <i>American Journal of Tropical Medicine and Hygiene</i> , 2005, 72, 252-255.	1.4	4
100	Antiretrovirals as Antimalarial Agents. <i>Journal of Infectious Diseases</i> , 2004, 190, 1998-2000.	4.0	131
101	Recovery of adhesion to chondroitin-4-sulphate in Plasmodium falciparum var CSA disruption mutants by antigenically similar PfEMP1 variants. <i>Molecular Microbiology</i> , 2004, 49, 655-669.	2.5	28
102	The histone H4 gene of Plasmodium falciparum is developmentally transcribed in asexual parasites. <i>Parasitology Research</i> , 2003, 90, 387-389.	1.6	8
103	Evidence for trafficking of PfEMP1 to the surface of P. falciparum-infected erythrocytes via a complex membrane network. <i>European Journal of Cell Biology</i> , 2003, 82, 271-284.	3.6	75
104	Maternal malaria: Plasmodium falciparum sequestration in the placenta. <i>Parasitology Research</i> , 2002, 88, 715-723.	1.6	41
105	Anti-malarial effect of histone deacetylation inhibitors and mammalian tumour cytodifferentiating agents. <i>International Journal for Parasitology</i> , 2000, 30, 761-768.	3.1	111
106	RAP1 controls rhoptry targeting of RAP2 in the malaria parasite Plasmodium falciparum. <i>EMBO Journal</i> , 2000, 19, 2435-2443.	7.8	113
107	Efficacy of vaccines containing rhoptry-associated proteins RAP1 and RAP2 of Plasmodium falciparum in Saimiri boliviensis monkeys.. <i>American Journal of Tropical Medicine and Hygiene</i> , 2000, 62, 466-479.	1.4	37
108	Fgol, a Type II restriction endonuclease from the thermoanaerobe Fervidobacterium gondwanense AB39T. <i>Anaerobe</i> , 1998, 4, 227-232.	2.1	1

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109	The RhD ⁺ Trait in a White Patient With the RhC ⁺ Phenotype Attributed to a Four-Nucleotide Deletion in the RHD Gene. <i>Blood</i> , 1998, 92, 1839-1840.	1.4	6
110	Reevaluating the classification of <i>Halobacteroides</i> and <i>Haloanaerobacter</i> species based on sequence comparisons of the 16S ribosomal RNA gene. <i>FEMS Microbiology Letters</i> , 1995, 134, 115-119.	1.8	28