Rachel L Edwards

List of Publications by Year
in descending order

24 papers	934 citations	516710 16 h-index	642732 23 g-index
29 all docs	29 docs citations	29 times ranked	1426 citing authors

#	Article	IF	Citations
1	The Plasmodium falciparum ABC transporter ABCI3 confers parasite strain-dependent pleiotropic antimalarial drug resistance. Cell Chemical Biology, 2022, 29, 824-839.e6.	5.2	14
2	Structure-guided microbial targeting of antistaphylococcal prodrugs. ELife, 2021, 10, .	6.0	7
3	Antimicrobial Prodrug Activation by the Staphylococcal Glyoxalase GloB. ACS Infectious Diseases, 2020, 6, 3064-3075.	3.8	9
4	The <i>Plasmodium falciparum</i> Artemisinin Susceptibility-Associated AP-2 Adaptin Î¼ Subunit is Clathrin Independent and Essential for Schizont Maturation. MBio, 2020, 11, .	4.1	27
5	Potent, specific MEPicides for treatment of zoonotic staphylococci. PLoS Pathogens, 2020, 16, e1007806.	4.7	12
6	Insights into the intracellular localization, protein associations and artemisinin resistance properties of Plasmodium falciparumÂK13. PLoS Pathogens, 2020, 16, e1008482.	4.7	60
7	Identification of druggable small molecule antagonists of the Plasmodium falciparum hexose transporter PfHT and assessment of ligand access to the glucose permeation pathway via FLAG-mediated protein engineering. PLoS ONE, 2019, 14, e0216457.	2.5	19
8	MEPicides: Î±,Î²-Unsaturated Fosmidomycin Analogues as DXR Inhibitors against Malaria. Journal of Medicinal Chemistry, 2018, 61, 8847-8858.	6.4	26
9	MEPicides: potent antimalarial prodrugs targeting isoprenoid biosynthesis. Scientific Reports, 2017, 7, 8400.	3.3	26
10	Structureâ€“Activity Relationships of the MEPicides: N-Acyl and O-Linked Analogs of FR900098 as Inhibitors of Dxr from Mycobacterium tuberculosis and Yersinia pestis. ACS Infectious Diseases, 2016, 2, 923-935.	3.8	27
11	A Novel Fluorescence Resonance Energy Transfer-Based Screen in High-Throughput Format To Identify Inhibitors of Malarial and Human Glucose Transporters. Antimicrobial Agents and Chemotherapy, 2016, 60, 7407-7414.	3.2	16
12	Muddled mechanisms: recent progress towards antimalarial target identification. F1000Research, 2016, 5, 2514.	1.6	6
13	<i>Plasmodium</i> IspD (2-C-Methyl-<scp>d</scp>-erythritol 4-Phosphate Cytidyltransferase), an Essential and Druggable Antimalarial Target. ACS Infectious Diseases, 2015, 1, 157-167.	3.8	42
14	A sugar phosphatase regulates the methylerythritol phosphate (MEP) pathway in malaria parasites. Nature Communications, 2014, 5, 4467.	12.8	69
15	Nicotinic Acid Modulates Legionella pneumophila Gene Expression and Induces Virulence Traits. Infection and Immunity, 2013, 81, 945-955.	2.2	19
16	The Medicinal Chemistry of Tuberculosis Chemotherapy. Topics in Medicinal Chemistry, 2011, , 47-124.	0.8	17
17	Design, Synthesis, and Study of a Mycobactinâˆ’Artemisinin Conjugate That Has Selective and Potent Activity against Tuberculosis and Malaria. Journal of the American Chemical Society, 2011, 133, 2076-2079.	13.7	134
18	The <i>Legionella pneumophila</i> LetA/LetS Two-Component System Exhibits Rheostat-Like Behavior. Infection and Immunity, 2010, 78, 2571-2583.	2.2	30

#	Article	IF	Citations
19	SpoT governs <i>Legionella pneumophila</i> differentiation in host macrophages. Molecular Microbiology, 2009, 71, 640-658.	2.5	108
20	<i>Legionella pneumophila</i> couples fatty acid flux to microbial differentiation and virulence. Molecular Microbiology, 2009, 71, 1190-1204.	2.5	60
21	Regulation of the Legionella pneumophila Life Cycle. , 2008, , 95-111.		1
22	Effect of decreasing column inner diameter and use of off-line two-dimensional chromatography on metabolite detection in complex mixtures. Journal of Chromatography A, 2007, 1172, 127-134.	3.7	39
23	EzrA prevents aberrant cell division by modulating assembly of the cytoskeletal protein FtsZ. Molecular Microbiology, 2004, 52, 801-814.	2.5	111
24	Polymer Stability Plays an Important Role in the Positional Regulation of FtsZ. Journal of Bacteriology, 2001, 183, 5449-5452.	2.2	55