

# Rachel L Edwards

## List of Publications by Year in descending order

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24  
papers

934  
citations

516710

16  
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642732

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29  
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29  
docs citations

29  
times ranked

1426  
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#	ARTICLE	IF	CITATIONS
1	Design, Synthesis, and Study of a Mycobactin <sup>~</sup> Artemisinin Conjugate That Has Selective and Potent Activity against Tuberculosis and Malaria. <i>Journal of the American Chemical Society</i> , 2011, 133, 2076-2079.	13.7	134
2	EzrA prevents aberrant cell division by modulating assembly of the cytoskeletal protein FtsZ. <i>Molecular Microbiology</i> , 2004, 52, 801-814.	2.5	111
3	SpoT governs <i>Legionella pneumophila</i> differentiation in host macrophages. <i>Molecular Microbiology</i> , 2009, 71, 640-658.	2.5	108
4	A sugar phosphatase regulates the methylerythritol phosphate (MEP) pathway in malaria parasites. <i>Nature Communications</i> , 2014, 5, 4467.	12.8	69
5	<i>Legionella pneumophila</i> couples fatty acid flux to microbial differentiation and virulence. <i>Molecular Microbiology</i> , 2009, 71, 1190-1204.	2.5	60
6	Insights into the intracellular localization, protein associations and artemisinin resistance properties of <i>Plasmodium falciparum</i> K13. <i>PLoS Pathogens</i> , 2020, 16, e1008482.	4.7	60
7	Polymer Stability Plays an Important Role in the Positional Regulation of FtsZ. <i>Journal of Bacteriology</i> , 2001, 183, 5449-5452.	2.2	55
8	<i>Plasmodium</i> IspD (2-C-Methyl-erythritol 4-Phosphate Cytidyltransferase), an Essential and Druggable Antimalarial Target. <i>ACS Infectious Diseases</i> , 2015, 1, 157-167.	3.8	42
9	Effect of decreasing column inner diameter and use of off-line two-dimensional chromatography on metabolite detection in complex mixtures. <i>Journal of Chromatography A</i> , 2007, 1172, 127-134.	3.7	39
10	The <i>Legionella pneumophila</i> LetA/LetS Two-Component System Exhibits Rheostat-Like Behavior. <i>Infection and Immunity</i> , 2010, 78, 2571-2583.	2.2	30
11	Structure-Activity Relationships of the MEPicides: N-Acyl and O-Linked Analogs of FR900098 as Inhibitors of Dxr from <i>Mycobacterium tuberculosis</i> and <i>Yersinia pestis</i> . <i>ACS Infectious Diseases</i> , 2016, 2, 923-935.	3.8	27
12	The <i>Plasmodium falciparum</i> Artemisinin Susceptibility-Associated AP-2 Adaptin $\gamma$ Subunit is Clathrin Independent and Essential for Schizont Maturation. <i>MBio</i> , 2020, 11, .	4.1	27
13	MEPicides: potent antimalarial prodrugs targeting isoprenoid biosynthesis. <i>Scientific Reports</i> , 2017, 7, 8400.	3.3	26
14	MEPicides: $\Delta^1, \Delta^2$ -Unsaturated Fosmidomycin Analogues as DXR Inhibitors against Malaria. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8847-8858.	6.4	26
15	Nicotinic Acid Modulates <i>Legionella pneumophila</i> Gene Expression and Induces Virulence Traits. <i>Infection and Immunity</i> , 2013, 81, 945-955.	2.2	19
16	Identification of druggable small molecule antagonists of the <i>Plasmodium falciparum</i> hexose transporter PfHT and assessment of ligand access to the glucose permeation pathway via FLAG-mediated protein engineering. <i>PLoS ONE</i> , 2019, 14, e0216457.	2.5	19
17	The Medicinal Chemistry of Tuberculosis Chemotherapy. <i>Topics in Medicinal Chemistry</i> , 2011, , 47-124.	0.8	17
18	A Novel Fluorescence Resonance Energy Transfer-Based Screen in High-Throughput Format To Identify Inhibitors of Malarial and Human Glucose Transporters. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7407-7414.	3.2	16

#	ARTICLE	IF	CITATIONS
19	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
20	Potent, specific MEPicides for treatment of zoonotic staphylococci. PLoS Pathogens, 2020, 16, e1007806.	4.7	12
21	Antimicrobial Prodrug Activation by the Staphylococcal Glyoxalase GloB. ACS Infectious Diseases, 2020, 6, 3064-3075.	3.8	9
22	Structure-guided microbial targeting of antistaphylococcal prodrugs. ELife, 2021, 10, .	6.0	7
23	Muddled mechanisms: recent progress towards antimalarial target identification. F1000Research, 2016, 5, 2514.	1.6	6
24	Regulation of the Legionella pneumophila Life Cycle. , 2008, , 95-111.		1