Jennifer L Guler

List of Publications by Year
in descending order

26 papers	760 citations	623574 14 h-index	552653 26 g-index
33 all docs	33 docs citations	33 times ranked	1067 citing authors

#	Article	IF	Citations
1	Fatty Acid Synthesis by Elongases in Trypanosomes. Cell, 2006, 126, 691-699.	13.5	129
2	A fatty-acid synthesis mechanism specialized for parasitism. Nature Reviews Microbiology, 2007, 5, 287-297.	13.6	113
3	Mitochondrial Fatty Acid Synthesis in Trypanosoma brucei. Journal of Biological Chemistry, 2007, 282, 4427-4436.	1.6	94
4	Asexual Populations of the Human Malaria Parasite, Plasmodium falciparum, Use a Two-Step Genomic Strategy to Acquire Accurate, Beneficial DNA Amplifications. PLoS Pathogens, 2013, 9, e1003375.	2.1	65
5	Mitochondrial fatty acid synthesis is required for normal mitochondrial morphology and function in Trypanosoma brucei. Molecular Microbiology, 2008, 67, 1125-1142.	1.2	63
6	Novel Plasmodium falciparum metabolic network reconstruction identifies shifts associated with clinical antimalarial resistance. BMC Genomics, 2017, 18, 543.	1.2	36
7	From Circulation to Cultivation: Plasmodium In Vivo versus In Vitro. Trends in Parasitology, 2020, 36, 914-926.	1.5	32
8	Cholesterol-dependent enrichment of understudied erythrocytic stages of human Plasmodium parasites. Scientific Reports, 2020, 10, 4591.	1.6	22
9	The 3â€hydroxyacylâ€ACP dehydratase of mitochondrial fatty acid synthesis in Trypanosoma brucei. FEBS Letters, 2008, 582, 729-733.	1.3	21
10	Self-aligned sequential lateral field non-uniformities over channel depth for high throughput dielectrophoretic cell deflection. Lab on A Chip, 2021, 21, 835-843.	3.1	20
11	Depletion of Mitochondrial Acyl Carrier Protein in Bloodstream-Form Trypanosoma brucei Causes a Kinetoplast Segregation Defect. Eukaryotic Cell, 2011, 10, 286-292.	3.4	19
12	Complex DNA structures trigger copy number variation across thePlasmodium falciparumgenome. Nucleic Acids Research, 2019, 47, 1615-1627.	6.5	18
13	Atovaquone Tolerance in Plasmodium falciparum Parasites Selected for High-Level Resistance to a Dihydroorotate Dehydrogenase Inhibitor. Antimicrobial Agents and Chemotherapy, 2015, 59, 686-689.	1.4	16
14	Community knowledge, attitudes and practices towards malaria in Ha-Lambani, Limpopo Province, South Africa: a cross-sectional household survey. Malaria Journal, 2021, 20, 188.	0.8	15
15	Malaria evolution in South Asia: Knowledge for control and elimination. Acta Tropica, 2012, 121, 256-266.	0.9	14
16	The Malaria TaqMan Array Card Includes 87 Assays for Plasmodium falciparum Drug Resistance, Identification of Species, and Genotyping in a Single Reaction. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	13
17	Influential Parameters for the Analysis of Intracellular Parasite Metabolomics. MSphere, 2018, 3, .	1.3	11
18	In vitro adaptation of Plasmodium falciparum reveal variations in cultivability. Malaria Journal, 2016, 15, 33.	0.8	10

#	Article	IF	Citations
19	Detection of Plasmodium Species by High-Resolution Melt Analysis of DNA from Blood Smears Acquired in Southwestern Uganda. Journal of Clinical Microbiology, 2018, 56, .	1.8	10
20	Leveraging the effects of chloroquine on resistant malaria parasites for combination therapies. BMC Bioinformatics, 2019, 20, 186.	1.2	6
21	Extrachromosomal DNA amplicons in antimalarialâ€resistant Plasmodium falciparum. Molecular Microbiology, 2021, 115, 574-590.	1.2	6
22	New Plasmodium vivax Genomes From the China-Myanmar Border. Frontiers in Microbiology, 2020, 11, 1930.	1.5	5
23	Single-cell sequencing of the small and AT-skewed genome of malaria parasites. Genome Medicine, 2021, 13, 75.	3.6	5
24	Comparative analyses of parasites with a comprehensive database of genome-scale metabolic models. PLoS Computational Biology, 2022, 18, e1009870.	1.5	5
25	Surveillance of Plasmodium falciparum pfcrt haplotypes in southwestern Uganda by highâ€resolution melt analysis. Malaria Journal, 2021, 20, 114.	0.8	3
26	Mass Drug Administration to Control and Eliminate Malaria in Africa: How Do We Best Utilize the Tools at Hand?. Clinical Infectious Diseases, 2019, 69, 287-289.	2.9	2