

Roger C Wiegand

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,848
citations

361388

20
h-index

713444

21
g-index

22
all docs

22
docs citations

22
times ranked

2128
citing authors

#	ARTICLE	IF	CITATIONS
1	A genome-wide map of diversity in <i>Plasmodium falciparum</i> . <i>Nature Genetics</i> , 2007, 39, 113-119.	21.4	320
2	A general SNP-based molecular barcode for <i>Plasmodium falciparum</i> identification and tracking. <i>Malaria Journal</i> , 2008, 7, 223.	2.3	213
3	Uptake of homologous single-stranded fragments by superhelical DNA. <i>Journal of Molecular Biology</i> , 1977, 116, 783-803.	4.2	143
4	Uptake of homologous single-stranded fragments by superhelical DNA. <i>Journal of Molecular Biology</i> , 1977, 116, 825-839.	4.2	120
5	Genome-wide SNP genotyping highlights the role of natural selection in <i>Plasmodium falciparum</i> population divergence. <i>Genome Biology</i> , 2008, 9, R171.	8.8	119
6	Sequence-based association and selection scans identify drug resistance loci in the <i>Plasmodium falciparum</i> malaria parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13052-13057.	7.1	99
7	Structural analysis of a maize gene coding for glutathione-S-transferase involved in herbicide detoxification. <i>Plant Molecular Biology</i> , 1986, 6, 203-211.	3.9	88
8	Human guanylin: cDNA isolation, structure, and activity. <i>FEBS Letters</i> , 1992, 311, 150-154.	2.8	85
9	Identification and Functional Validation of the Novel Antimalarial Resistance Locus PF10_0355 in <i>Plasmodium falciparum</i> . <i>PLoS Genetics</i> , 2011, 7, e1001383.	3.5	85
10	Messenger RNA encoding a glutathione-S-transferase responsible for herbicide tolerance in maize is induced in response to safener treatment. <i>Plant Molecular Biology</i> , 1986, 7, 235-243.	3.9	84
11	Rat guanylin cDNA: Characterization of the precursor of an endogenous activator of intestinal guanylate cyclase. <i>Biochemical and Biophysical Research Communications</i> , 1992, 185, 812-817.	2.1	84
12	Genomic Sequencing of <i>Plasmodium falciparum</i> Malaria Parasites from Senegal Reveals the Demographic History of the Population. <i>Molecular Biology and Evolution</i> , 2012, 29, 3427-3439.	8.9	58
13	Uptake of homologous single-stranded fragments by superhelical DNA. <i>Journal of Molecular Biology</i> , 1977, 116, 805-824.	4.2	54
14	In Vitro Resistance Selections for <i>Plasmodium falciparum</i> Dihydroorotate Dehydrogenase Inhibitors Give Mutants with Multiple Point Mutations in the Drug-binding Site and Altered Growth. <i>Journal of Biological Chemistry</i> , 2014, 289, 17980-17995.	3.4	54
15	Harnessing evolutionary fitness in <i>Plasmodium falciparum</i> for drug discovery and suppressing resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 799-804.	7.1	54
16	Diversity-Oriented Synthesis Yields a Novel Lead for the Treatment of Malaria. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 112-117.	2.8	52
17	Responses to Bacteria, Virus, and Malaria Distinguish the Etiology of Pediatric Clinical Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 448-459.	5.6	42
18	Diversity-Oriented Synthesis-Facilitated Medicinal Chemistry: Toward the Development of Novel Antimalarial Agents. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8496-8502.	6.4	33

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19	Diversity-Oriented Synthesis Probe Targets <i>Plasmodium falciparum</i> Cytochrome b Ubiquinone Reduction Site and Synergizes With Oxidation Site Inhibitors. <i>Journal of Infectious Diseases</i> , 2015, 211, 1097-1103.	4.0	29
20	Human cerebral malaria and <i>Plasmodium falciparum</i> genotypes in Malawi. <i>Malaria Journal</i> , 2012, 11, 35.	2.3	24
21	Transcriptional categorization of the etiology of pneumonia syndrome in pediatric patients in malaria endemic areas. <i>Journal of Infectious Diseases</i> , 2017, 215, jiw531.	4.0	8
22	Seeking diagnostic and prognostic biomarkers for childhood bacterial pneumonia in sub-Saharan Africa: study protocol for an observational study. <i>BMJ Open</i> , 2021, 11, e046590.	1.9	0