Roger C Wiegand

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22 papers	1,540 citations	19 h-index	22 g-index
22 ext. papers	1,715 ext. citations	7.9 avg, IF	3.18 L-index

#	Paper	IF	Citations
22	A genome-wide map of diversity in Plasmodium falciparum. *Nature Genetics*, **2007**, 39, 113-9	36.3	265
21	A general SNP-based molecular barcode for Plasmodium falciparum identification and tracking. *Malaria Journal*, **2008**, 7, 223	3.6	154
20	Uptake of homologous single-stranded fragments by superhelical DNA. II. Characterization of the reaction. *Journal of Molecular Biology*, **1977**, 116, 783-803	6.5	130
19	Uptake of homologous single-stranded fragments by superhelical DNA. IV. Branch migration. *Journal of Molecular Biology*, **1977**, 116, 825-39	6.5	104
18	Genome-wide SNP genotyping highlights the role of natural selection in Plasmodium falciparum population divergence. *Genome Biology*, **2008**, 9, R171	18.3	96
17	Sequence-based association and selection scans identify drug resistance loci in the Plasmodium falciparum malaria parasite. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 13052-7	11.5	85
16	Structural analysis of a maize gene coding for glutathione-S-transferase involved in herbicide detoxification. *Plant Molecular Biology*, **1986**, 6, 203-11	4.6	81
15	Messenger RNA encoding a glutathione-S-transferase responsible for herbicide tolerance in maize is induced in response to safener treatment. *Plant Molecular Biology*, **1986**, 7, 235-43	4.6	77
14	Rat guanylin cDNA: characterization of the precursor of an endogenous activator of intestinal guanylate cyclase. *Biochemical and Biophysical Research Communications*, **1992**, 185, 812-7	3.4	76
13	Human guanylin: cDNA isolation, structure, and activity. *FEBS Letters*, **1992**, 311, 150-4	3.8	74
12	Identification and functional validation of the novel antimalarial resistance locus PF10_0355 in Plasmodium falciparum. *PLoS Genetics*, **2011**, 7, e1001383	6	71
11	Diversity-Oriented Synthesis Yields a Novel Lead for the Treatment of Malaria. *ACS Medicinal Chemistry Letters*, **2012**, 3, 112-117	4.3	48
10	Genomic sequencing of Plasmodium falciparum malaria parasites from Senegal reveals the demographic history of the population. *Molecular Biology and Evolution*, **2012**, 29, 3427-39	8.3	46
9	Harnessing evolutionary fitness in Plasmodium falciparum for drug discovery and suppressing resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 799-804	11.5	45
8	In vitro resistance selections for Plasmodium falciparum dihydroorotate dehydrogenase inhibitors give mutants with multiple point mutations in the drug-binding site and altered growth. *Journal of Biological Chemistry*, **2014**, 289, 17980-95	5.4	45
7	Uptake of homologous single-stranded fragments by superhelical DNA. III. The product and its enzymic conversion to a recombinant molecule. *Journal of Molecular Biology*, **1977**, 116, 805-24	6.5	45
6	Diversity-oriented synthesis-facilitated medicinal chemistry: toward the development of novel antimalarial agents. *Journal of Medicinal Chemistry*, **2014**, 57, 8496-502	8.3	31

5	Responses to Bacteria, Virus, and Malaria Distinguish the Etiology of Pediatric Clinical Pneumonia. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 193, 448-59	10.2	27
4	Diversity-oriented synthesis probe targets Plasmodium falciparum cytochrome b ubiquinone reduction site and synergizes with oxidation site inhibitors. *Journal of Infectious Diseases*, **2015**, 211, 1097-103	7	21
3	Human cerebral malaria and Plasmodium falciparum genotypes in Malawi. *Malaria Journal*, **2012**, 11, 35	3.6	16
2	Transcriptional Categorization of the Etiology of Pneumonia Syndrome in Pediatric Patients in Malaria-Endemic Areas. *Journal of Infectious Diseases*, **2017**, 215, 312-320	7	3
1	Seeking diagnostic and prognostic biomarkers for childhood bacterial pneumonia in sub-Saharan Africa: study protocol for an observational study. *BMJ Open*, **2021**, 11, e046590	3	