

Amanda K Lukens

List of Publications by Year in descending order

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36
papers

2,447
citations

236833

25
h-index

345118

36
g-index

39
all docs

39
docs citations

39
times ranked

3702
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.	2.5	14
2	Chemogenomics identifies acetyl-coenzyme A synthetase as a target for malaria treatment and prevention. Cell Chemical Biology, 2022, 29, 191-201.e8.	2.5	39
3	Adaptive laboratory evolution in S. cerevisiae highlights role of transcription factors in fungal xenobiotic resistance. Communications Biology, 2022, 5, 128.	2.0	8
4	MalDA, Accelerating Malaria Drug Discovery. Trends in Parasitology, 2021, 37, 493-507.	1.5	51
5	Prioritization of Molecular Targets for Antimalarial Drug Discovery. ACS Infectious Diseases, 2021, 7, 2764-2776.	1.8	35
6	The Adaptive Proline Response in <i>P. falciparum</i> Is Independent of Pf-eIK1 and eIF2± Signaling. ACS Infectious Diseases, 2019, 5, 515-520.	1.8	5
7	In vitro selection predicts malaria parasite resistance to dihydroorotate dehydrogenase inhibitors in a mouse infection model. Science Translational Medicine, 2019, 11, .	5.8	30
8	Identification of Collateral Sensitivity to Dihydroorotate Dehydrogenase Inhibitors in <i>Plasmodium falciparum</i> . ACS Infectious Diseases, 2018, 4, 508-515.	1.8	15
9	Mapping the malaria parasite druggable genome by using in vitro evolution and chemogenomics. Science, 2018, 359, 191-199.	6.0	194
10	Quantitative Proteomic Profiling Reveals Novel Plasmodium falciparum Surface Antigens and Possible Vaccine Candidates. Molecular and Cellular Proteomics, 2018, 17, 43-60.	2.5	29
11	Open-source discovery of chemical leads for next-generation chemoprotective antimalarials. Science, 2018, 362, .	6.0	99
12	Intramolecular Diazo-Diels-Alder Protocol: A New Diastereoselective and Modular One-Step Synthesis of Constrained Polycyclic Frameworks. Chemistry - A European Journal, 2017, 23, 4137-4148.	1.7	15
13	Genome-Wide Association Studies of Drug-Resistance Determinants. Trends in Parasitology, 2017, 33, 214-230.	1.5	16
14	New paradigms for understanding and step changes in treating active and chronic, persistent apicomplexan infections. Scientific Reports, 2016, 6, 29179.	1.6	40
15	<i>Plasmodium falciparum</i> Cyclic Amine Resistance Locus (PfCARL), a Resistance Mechanism for Two Distinct Compound Classes. ACS Infectious Diseases, 2016, 2, 816-826.	1.8	34
16	Diversity-oriented synthesis yields novel multistage antimalarial inhibitors. Nature, 2016, 538, 344-349.	18.7	214
17	Probing the Azaaurone Scaffold against the Hepatic and Erythrocytic Stages of Malaria Parasites. ChemMedChem, 2016, 11, 2194-2204.	1.6	23
18	A broad analysis of resistance development in the malaria parasite. Nature Communications, 2016, 7, 11901.	5.8	94

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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.	1.9	29
20	The cytoplasmic prolyl-tRNA synthetase of the malaria parasite is a dual-stage target of febrifugine and its analogs. <i>Science Translational Medicine</i> , 2015, 7, 288ra77.	5.8	82
21	Exploring the 3-piperidin-4-yl-1H-indole scaffold as a novel antimalarial chemotype. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 320-333.	2.6	31
22	Triaminopyrimidine is a fast-killing and long-acting antimalarial clinical candidate. <i>Nature Communications</i> , 2015, 6, 6715.	5.8	55
23	Clinical Sequencing Uncovers Origins and Evolution of Lassa Virus. <i>Cell</i> , 2015, 162, 738-750.	13.5	230
24	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.	3.3	54
25	Diversity-Oriented Synthesis-Facilitated Medicinal Chemistry: Toward the Development of Novel Antimalarial Agents. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8496-8502.	2.9	33
26	Aminoazabenzimidazoles, a Novel Class of Orally Active Antimalarial Agents. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5702-5713.	2.9	24
27	Polymorphism in dhfr/dhps genes, parasite density and ex vivo response to pyrimethamine in <i>Plasmodium falciparum</i> malaria parasites in Thies, Senegal. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2013, 3, 135-142.	1.4	27
28	Genetic Surveillance Detects Both Clonal and Epidemic Transmission of Malaria following Enhanced Intervention in Senegal. <i>PLoS ONE</i> , 2013, 8, e60780.	1.1	87
29	SNP Genotyping Identifies New Signatures of Selection in a Deep Sample of West African <i>Plasmodium falciparum</i> Malaria Parasites. <i>Molecular Biology and Evolution</i> , 2012, 29, 3249-3253.	3.5	41
30	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.	3.3	99
31	Diversity-Oriented Synthesis Yields a Novel Lead for the Treatment of Malaria. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 112-117.	1.3	52
32	Identification and Functional Validation of the Novel Antimalarial Resistance Locus PF10_0355 in <i>Plasmodium falciparum</i> . <i>PLoS Genetics</i> , 2011, 7, e1001383.	1.5	85
33	Genome-wide SNP genotyping highlights the role of natural selection in <i>Plasmodium falciparum</i> population divergence. <i>Genome Biology</i> , 2008, 9, R171.	3.8	119
34	A genome-wide map of diversity in <i>Plasmodium falciparum</i> . <i>Nature Genetics</i> , 2007, 39, 113-119.	9.4	320
35	In Vivo Transcriptome of <i>Plasmodium falciparum</i> Reveals Overexpression of Transcripts That Encode Surface Proteins. <i>Journal of Infectious Diseases</i> , 2005, 191, 1196-1203.	1.9	92
36	Intrinsic susceptibility of mouse trophoblasts to natural killer cell-mediated attack in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 16940-16945.	3.3	29