

Audrey R Odom John

List of Publications by Year in descending order

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79
papers

4,267
citations

172457

29
h-index

118850

62
g-index

150
all docs

150
docs citations

150
times ranked

5748
citing authors

#	ARTICLE	IF	CITATIONS
1	A Phospholipase C-Dependent Inositol Polyphosphate Kinase Pathway Required for Efficient Messenger RNA Export. <i>Science</i> , 1999, 285, 96-100.	12.6	508
2	Calcineurin is required for virulence of <i>Cryptococcus neoformans</i> . <i>EMBO Journal</i> , 1997, 16, 2576-2589.	7.8	458
3	A Role for Nuclear Inositol 1,4,5-Trisphosphate Kinase in Transcriptional Control. <i>Science</i> , 2000, 287, 2026-2029.	12.6	377
4	Multisystem inflammatory syndrome in children and COVID-19 are distinct presentations of SARS-CoV-2. <i>Journal of Clinical Investigation</i> , 2020, 130, 5967-5975.	8.2	319
5	Multisystem Inflammatory Syndrome in Children During the Coronavirus 2019 Pandemic: A Case Series. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2020, 9, 393-398.	1.3	317
6	The immunosuppressant FK506 and its nonimmunosuppressive analog L-685,818 are toxic to <i>Cryptococcus neoformans</i> by inhibition of a common target protein. <i>Antimicrobial Agents and Chemotherapy</i> , 1997, 41, 156-161.	3.2	146
7	A Second Target of the Antimalarial and Antibacterial Agent Fosmidomycin Revealed by Cellular Metabolic Profiling. <i>Biochemistry</i> , 2011, 50, 3570-3577.	2.5	142
8	Molecular and Biochemical Characterization of Two Plant Inositol Polyphosphate 6-/3-/5-Kinases. <i>Journal of Biological Chemistry</i> , 2002, 277, 42711-42718.	3.4	120
9	Evidence of thrombotic microangiopathy in children with SARS-CoV-2 across the spectrum of clinical presentations. <i>Blood Advances</i> , 2020, 4, 6051-6063.	5.2	105
10	DNA binding to TLR9 expressed by red blood cells promotes innate immune activation and anemia. <i>Science Translational Medicine</i> , 2021, 13, eabj1008.	12.4	90
11	An expanded view of inositol signaling. <i>Advances in Enzyme Regulation</i> , 2001, 41, 57-71.	2.6	85
12	A sugar phosphatase regulates the methylerythritol phosphate (MEP) pathway in malaria parasites. <i>Nature Communications</i> , 2014, 5, 4467.	12.8	69
13	Characterization of the MF α pheromone of the human fungal pathogen <i>Cryptococcus neoformans</i> . <i>Molecular Microbiology</i> , 2002, 38, 1017-1026.	2.5	66
14	Isoprenoid Metabolism in Apicomplexan Parasites. <i>Current Clinical Microbiology Reports</i> , 2014, 1, 37-50.	3.4	63
15	Global proteomic analysis of prenylated proteins in <i>Plasmodium falciparum</i> using an alkyne-modified isoprenoid analogue. <i>Scientific Reports</i> , 2016, 6, 38615.	3.3	63
16	Isoprenoid Biosynthesis Inhibition Disrupts Rab5 Localization and Food Vacuolar Integrity in <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2013, 12, 215-223.	3.4	62
17	Malaria Parasites Produce Volatile Mosquito Attractants. <i>MBio</i> , 2015, 6, .	4.1	61
18	Functional genetic analysis of the <i>Plasmodium falciparum</i> deoxyxylulose 5-phosphate reductoisomerase gene. <i>Molecular and Biochemical Parasitology</i> , 2010, 170, 108-111.	1.1	60

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19	Insights into the intracellular localization, protein associations and artemisinin resistance properties of <i>Plasmodium falciparum</i> AK13. <i>PLoS Pathogens</i> , 2020, 16, e1008482.	4.7	60
20	The Epidemiology of Severe Acute Respiratory Syndrome Coronavirus 2 in a Pediatric Healthcare Network in the United States. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2020, 9, 523-529.	1.3	59
21	Isoprenoid Biosynthesis in <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2014, 13, 1348-1359.	3.4	53
22	Breathprinting Reveals Malaria-Associated Biomarkers and Mosquito Attractants. <i>Journal of Infectious Diseases</i> , 2018, 217, 1553-1560.	4.0	49
23	Reproducible Breath Metabolite Changes in Children with SARS-CoV-2 Infection. <i>ACS Infectious Diseases</i> , 2021, 7, 2596-2603.	3.8	49
24	Five Questions about Non-Mevalonate Isoprenoid Biosynthesis. <i>PLoS Pathogens</i> , 2011, 7, e1002323.	4.7	46
25	Discrimination of SARS-CoV-2 infected patient samples by detection dogs: A proof of concept study. <i>PLoS ONE</i> , 2021, 16, e0250158.	2.5	44
26	<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
27	The MEP pathway and the development of inhibitors as potential anti-infective agents. <i>MedChemComm</i> , 2012, 3, 418.	3.4	41
28	Convalescent plasma for pediatric patients with SARS-CoV-2-associated acute respiratory distress syndrome. <i>Pediatric Blood and Cancer</i> , 2020, 67, e28693.	1.5	37
29	Resistance to the Antimicrobial Agent Fosmidomycin and an FR900098 Prodrug through Mutations in the Deoxyxylulose Phosphate Reductoisomerase Gene (<i>dxr</i>). <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5511-5519.	3.2	36
30	Structural Studies and Protein Engineering of Inositol Phosphate Multikinase. <i>Journal of Biological Chemistry</i> , 2012, 287, 35360-35369.	3.4	28
31	Whole-Genome Sequencing to Evaluate the Resistance Landscape Following Antimalarial Treatment Failure With Fosmidomycin-Clindamycin. <i>Journal of Infectious Diseases</i> , 2016, 214, 1085-1091.	4.0	28
32	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
33	The <i>Plasmodium falciparum</i> Artemisinin Susceptibility-Associated AP-2 Adaptor 1 Subunit is Clathrin Independent and Essential for Schizont Maturation. <i>MBio</i> , 2020, 11, .	4.1	27
34	The Glucose Transporter PfHT1 Is an Antimalarial Target of the HIV Protease Inhibitor Lopinavir. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6203-6209.	3.2	26
35	Determinants of Anemia and Hemoglobin Concentration in Haitian School-Aged Children. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 1092-1098.	1.4	26
36	MEPicides: potent antimalarial prodrugs targeting isoprenoid biosynthesis. <i>Scientific Reports</i> , 2017, 7, 8400.	3.3	26

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37	MEPicides: $\hat{1}\pm, \hat{1}^2$ -Unsaturated Fosmidomycin Analogues as DXR Inhibitors against Malaria. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8847-8858.	6.4	26
38	The Effect of Acrylamide and Other Sulfhydryl Alkylators on the Ability of Dynein and Kinesin to Translocate Microtubules in Vitro. <i>Toxicology and Applied Pharmacology</i> , 1995, 133, 73-81.	2.8	25
39	Nickel Inhibits Binding of $\hat{1}\pm, \hat{1}^2$ -Macroglobulin-Methylamine to the Low-Density Lipoprotein Receptor-Related Protein/ $\hat{1}\pm, \hat{1}^2$ -Macroglobulin Receptor but Not the $\hat{1}\pm, \hat{1}^2$ -Macroglobulin Signaling Receptor. <i>Biochemistry</i> , 1997, 36, 12395-12399.	2.5	23
40	Inositol phosphate multikinase dependent transcriptional control. <i>Advances in Biological Regulation</i> , 2017, 64, 9-19.	2.3	23
41	Infectious complications of pediatric cochlear implants are highly influenced by otitis media. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2017, 97, 76-82.	1.0	22
42	Distinguishing Multisystem Inflammatory Syndrome in Children From Kawasaki Disease and Benign Inflammatory Illnesses in the SARS-CoV-2 Pandemic. <i>Pediatric Emergency Care</i> , 2020, 36, 554-558.	0.9	20
43	Identification of druggable small molecule antagonists of the Plasmodium falciparum 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
44	Tackling resistance: emerging antimalarials and new parasite targets in the era of elimination. <i>F1000Research</i> , 2018, 7, 1170.	1.6	18
45	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
46	Suppression of Drug Resistance Reveals a Genetic Mechanism of Metabolic Plasticity in Malaria Parasites. <i>MBio</i> , 2018, 9, .	4.1	15
47	Protein Prenylation and Hsp40 in Thermotolerance of Plasmodium falciparum Malaria Parasites. <i>MBio</i> , 2021, 12, e0076021.	4.1	15
48	Successful treatment of fulminant neonatal enteroviral myocarditis in monochorionic diamniotic twins with cardiopulmonary support, intravenous immunoglobulin and pocapavir. <i>BMJ Case Reports</i> , 2018, 2018, bcr-2017-224133.	0.5	15
49	Cap-domain closure enables diverse substrate recognition by the C2-type haloacid dehalogenase-like sugar phosphatase <i>Plasmodium falciparum</i> HAD1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1824-1834.	2.5	14
50	Malaria in Children. <i>Infectious Disease Clinics of North America</i> , 2018, 32, 189-200.	5.1	14
51	The Plasmodium falciparum ABC transporter ABCI3 confers parasite strain-dependent pleiotropic antimalarial drug resistance. <i>Cell Chemical Biology</i> , 2022, 29, 824-839.e6.	5.2	14
52	Molecular Mechanism of Action of Antimalarial Benzoisothiazolones: Species-Selective Inhibitors of the Plasmodium spp. MEP Pathway enzyme, IspD. <i>Scientific Reports</i> , 2016, 6, 36777.	3.3	13
53	The Triphenylethylenes, a Novel Class of Antifungals. <i>MBio</i> , 2014, 5, e01126-14.	4.1	12
54	Potent, specific MEPicides for treatment of zoonotic staphylococci. <i>PLoS Pathogens</i> , 2020, 16, e1007806.	4.7	12

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55	Non-canonical metabolic pathways in the malaria parasite detected by isotope-tracing metabolomics. <i>Molecular Systems Biology</i> , 2021, 17, e10023.	7.2	12
56	Breath Metabolites to Diagnose Infection. <i>Clinical Chemistry</i> , 2021, 68, 43-51.	3.2	12
57	Cutaneous Findings in SARS-CoV-2-Associated Multisystem Inflammatory Disease in Children. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab074.	0.9	10
58	Natural History of <i>Plasmodium odocoilei</i> Malaria Infection in Farmed White-Tailed Deer. <i>MSphere</i> , 2018, 3, .	2.9	9
59	Antimicrobial Prodrug Activation by the Staphylococcal Glyoxalase GloB. <i>ACS Infectious Diseases</i> , 2020, 6, 3064-3075.	3.8	9
60	Structure-guided microbial targeting of antistaphylococcal prodrugs. <i>ELife</i> , 2021, 10, .	6.0	7
61	Comparison of breath sampling methods: a post hoc analysis from observational cohort studies. <i>Analyst</i> , The, 2019, 144, 2026-2033.	3.5	6
62	Haloacid Dehalogenase Proteins: Novel Mediators of Metabolic Plasticity in <i>Plasmodium falciparum</i> . <i>Microbiology Insights</i> , 2019, 12, 117863611984843.	2.0	6
63	Targeting Host Glycolysis as a Strategy for Antimalarial Development. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 730413.	3.9	6
64	Muddled mechanisms: recent progress towards antimalarial target identification. <i>F1000Research</i> , 2016, 5, 2514.	1.6	6
65	Breath Collection from Children for Disease Biomarker Discovery. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	5
66	The Key Glycolytic Enzyme Phosphofructokinase Is Involved in Resistance to Antiplasmodial Glycosides. <i>MBio</i> , 2020, 11, .	4.1	5
67	Pediatric tropical medicine: The neglected diseases of children. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007008.	3.0	4
68	Concordance of Preprocedure Testing With Time-of-Surgery Testing for SARS-CoV-2 in Children. <i>Pediatrics</i> , 2021, 147, .	2.1	3
69	The Malaria Metabolite HMBPP Does Not Trigger Erythrocyte Terpene Release. <i>ACS Infectious Diseases</i> , 2020, 6, 2567-2572.	3.8	3
70	Enzymatic and structural characterization of HAD5, an essential phosphomannomutase of malaria-causing parasites. <i>Journal of Biological Chemistry</i> , 2022, 298, 101550.	3.4	3
71	Sweet Talk: Regulating Glucose Metabolism in <i>Toxoplasma</i> . <i>Cell Host and Microbe</i> , 2015, 18, 142-143.	11.0	2
72	Evolution of SARS-CoV-2 Seroprevalence Among Employees of a United States Academic Children's Hospital During the COVID-19 Pandemic. <i>Infection Control and Hospital Epidemiology</i> , 2021, , 1-24.	1.8	2

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73	Concordance of Upper and Lower Respiratory Tract Samples for SARS-CoV-2 in Pediatric Patients: Research Letter. <i>Anesthesiology</i> , 2021, 134, 970-972.	2.5	1
74	100 Best Books for Children. <i>JAMA Pediatrics</i> , 2004, 158, 1189.	3.0	0
75	The Longest Mile: Moving Malaria from Clinical Care to Elimination of Transmission. <i>Clinical Chemistry</i> , 2019, 65, 946-948.	3.2	0
76	Editorial overview: Paths of least resistance: surveillance, discovery, and innovation to address the other (antimicrobial resistance) pandemic. <i>Current Opinion in Microbiology</i> , 2020, 57, iii-v.	5.1	0
77	#23: Investigation of Phosphomannomutase as an Antimalarial Drug Target. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021, 10, S10-S10.	1.3	0
78	Volatile biomarkers of malaria infection. , 2020, , 349-362.		0
79	Evidence of Microangiopathy in Children with Sars-Cov-2 Regardless of Clinical Presentation. <i>Blood</i> , 2020, 136, 28-29.	1.4	0