

# Christopher J Tonkin

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

5,592  
citations

94269

37  
h-index

123241

61  
g-index

73  
all docs

73  
docs citations

73  
times ranked

5114  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptional modification of host cells harboring <i>Toxoplasma gondii</i> bradyzoites prevents IFN gamma-mediated cell death. <i>Cell Host and Microbe</i> , 2022, 30, 232-247.e6.	5.1	15
2	Environmental sensing and regulation of motility in <i>Toxoplasma</i> . <i>Molecular Microbiology</i> , 2021, 115, 916-929.	1.2	9
3	Type 1 conventional dendritic cell fate and function are controlled by DC-SCRIPT. <i>Science Immunology</i> , 2021, 6, .	5.6	19
4	Direct Nanopore Sequencing of mRNA Reveals Landscape of Transcript Isoforms in Apicomplexan Parasites. <i>MSystems</i> , 2021, 6, .	1.7	31
5	Depletion of a <i>Toxoplasma</i> porin leads to defects in mitochondrial morphology and contacts with the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	17
6	TDP-43 Triggers Mitochondrial DNA Release via mPTP to Activate cGAS/STING in ALS. <i>Cell</i> , 2020, 183, 636-649.e18.	13.5	453
7	Catastrophic consequences: can the feline parasite <i>Toxoplasma gondii</i> prompt the purrfect neuroinflammatory storm following traumatic brain injury?. <i>Journal of Neuroinflammation</i> , 2020, 17, 222.	3.1	4
8	Pathogenic Infection in Male Mice Changes Sperm Small RNA Profiles and Transgenerationally Alters Offspring Behavior. <i>Cell Reports</i> , 2020, 31, 107573.	2.9	44
9	Calcium and cyclic nucleotide signaling networks in <i>Toxoplasma gondii</i> . , 2020, , 577-605.		6
10	Metabolic networks and metabolomics. , 2020, , 451-497.		3
11	Metabolomic Analysis of <i>Toxoplasma gondii</i> Tachyzoites. <i>Methods in Molecular Biology</i> , 2020, 2071, 435-452.	0.4	3
12	An apically located hybrid guanylate cyclase-ATPase is critical for the initiation of Ca <sup>2+</sup> signaling and motility in <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 8959-8972.	1.6	37
13	Characterization of the ATP4 ion pump in <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 5720-5734.	1.6	18
14	Impaired social behaviour and molecular mediators of associated neural circuits during chronic <i>Toxoplasma gondii</i> infection in female mice. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 88-108.	2.0	28
15	Protein Kinase A Is Essential for Invasion of <i>Plasmodium falciparum</i> into Human Erythrocytes. <i>MBio</i> , 2019, 10, .	1.8	40
16	Toxoplasmosis: A pathway to neuropsychiatric disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 96, 72-92.	2.9	72
17	Evaluation of 4-Amino 2-Anilinoquinazolines against <i>Plasmodium</i> and Other Apicomplexan Parasites <i>In Vitro</i> and in a <i>P. falciparum</i> Humanized NOD- <i>scid</i> IL2R <sup>3</sup> Mouse Model of Malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	12
18	Structure of <i>Plasmodium falciparum</i> Rh5-CyRPA-Ripr invasion complex. <i>Nature</i> , 2019, 565, 118-121.	13.7	74

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19	Protein O-fucosyltransferase 2 <sup>â€</sup> mediated O-glycosylation of the adhesin MIC2 is dispensable for <i>Toxoplasma gondii</i> tachyzoite infection. <i>Journal of Biological Chemistry</i> , 2019, 294, 1541-1553.	1.6	20
20	MYR1-Dependent Effectors Are the Major Drivers of a Host Cell <sup>â€™</sup> s Early Response to <i>Toxoplasma</i> , Including Counteracting MYR1-Independent Effects. <i>MBio</i> , 2018, 9, .	1.8	46
21	Aspartyl Protease 5 Matures Dense Granule Proteins That Reside at the Host-Parasite Interface in <i>Toxoplasma gondii</i> . <i>MBio</i> , 2018, 9, .	1.8	46
22	Protein kinase A negatively regulates Ca <sup>2+</sup> signalling in <i>Toxoplasma gondii</i> . <i>PLoS Biology</i> , 2018, 16, e2005642.	2.6	65
23	<i>Plasmodium falciparum</i> subtilisin <sup>â€</sup> like ookinete protein SOPT plays an important and conserved role during ookinete infection of the <i>Anopheles stephensi</i> midgut. <i>Molecular Microbiology</i> , 2018, 109, 458-473.	1.2	8
24	Elucidating the mitochondrial proteome of <i>Toxoplasma gondii</i> reveals the presence of a divergent cytochrome c oxidase. <i>ELife</i> , 2018, 7, .	2.8	85
25	A forward genetic screen identifies a negative regulator of rapid Ca <sup>2+</sup> -dependent cell egress (MS1) in the intracellular parasite <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 7662-7674.	1.6	27
26	Development of a Novel CD4 <sup>+</sup> TCR Transgenic Line That Reveals a Dominant Role for CD8 <sup>+</sup> Dendritic Cells and CD40 Signaling in the Generation of Helper and CTL Responses to Blood-Stage Malaria. <i>Journal of Immunology</i> , 2017, 199, 4165-4179.	0.4	37
27	The Molecular Basis of Erythrocyte Invasion by Malaria Parasites. <i>Cell Host and Microbe</i> , 2017, 22, 232-245.	5.1	242
28	Analysis of Ca <sup>2+</sup> mediated signaling regulating <i>Toxoplasma</i> infectivity reveals complex relationships between key molecules. <i>Cellular Microbiology</i> , 2017, 19, e12685.	1.1	48
29	Phosphorylation of <sup>Î±</sup> SNAP is Required for Secretory Organelle Biogenesis in <i>Toxoplasma gondii</i> . <i>Traffic</i> , 2016, 17, 102-116.	1.3	14
30	Truncated Latrunculins as Actin Inhibitors Targeting <i>Plasmodium falciparum</i> Motility and Host Cell Invasion. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10994-11005.	2.9	13
31	Role of the ER and Golgi in protein export by Apicomplexa. <i>Current Opinion in Cell Biology</i> , 2016, 41, 18-24.	2.6	25
32	Rhomboid proteases in invasion and replication of Apicomplexa. <i>Molecular Microbiology</i> , 2015, 97, 185-188.	1.2	3
33	Regulation of Starch Stores by a Ca <sup>2+</sup> -Dependent Protein Kinase Is Essential for Viable Cyst Development in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2015, 18, 670-681.	5.1	71
34	Identification of Potent Phosphodiesterase Inhibitors that Demonstrate Cyclic Nucleotide-Dependent Functions in Apicomplexan Parasites. <i>ACS Chemical Biology</i> , 2015, 10, 1145-1154.	1.6	85
35	Disassembly activity of actin-depolymerizing factor (ADF) is associated with distinct cellular processes in apicomplexan parasites. <i>Molecular Biology of the Cell</i> , 2015, 26, 3001-3012.	0.9	16
36	Two Essential Light Chains Regulate the MyoA Lever Arm To Promote <i>Toxoplasma</i> Gliding Motility. <i>MBio</i> , 2015, 6, e00845-15.	1.8	49

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37	An aspartyl protease defines a novel pathway for export of Toxoplasma proteins into the host cell. <i>ELife</i> , 2015, 4, .	2.8	99
38	An Overexpression Screen of Toxoplasma gondii Rab-GTPases Reveals Distinct Transport Routes to the Micronemes. <i>PLoS Pathogens</i> , 2013, 9, e1003213.	2.1	142
39	TgCDPK3 Regulates Calcium-Dependent Egress of Toxoplasma gondii from Host Cells. <i>PLoS Pathogens</i> , 2012, 8, e1003066.	2.1	146
40	Calcium and Repression in Malaria Sex: Knowing When the Time Is Right. <i>Cell Host and Microbe</i> , 2012, 12, 1-2.	5.1	2
41	Mitochondrial Metabolism of Glucose and Glutamine Is Required for Intracellular Growth of Toxoplasma gondii. <i>Cell Host and Microbe</i> , 2012, 12, 682-692.	5.1	210
42	Spatial Localisation of Actin Filaments across Developmental Stages of the Malaria Parasite. <i>PLoS ONE</i> , 2012, 7, e32188.	1.1	69
43	An integrative bioinformatic predictor of protein sub-cellular localisation in malaria. <i>BMC Bioinformatics</i> , 2011, 12, .	1.2	1
44	Sequencing and Analysis of JC Virus DNA From Natalizumab-Treated PML Patients. <i>Journal of Infectious Diseases</i> , 2011, 204, 237-244.	1.9	100
45	Progressive Multifocal Leukoencephalopathy (PML) Development Is Associated With Mutations in JC Virus Capsid Protein VP1 That Change Its Receptor Specificity. <i>Journal of Infectious Diseases</i> , 2011, 204, 103-114.	1.9	135
46	A Tail of Division. <i>Science</i> , 2011, 331, 409-410.	6.0	3
47	Quantitative in vivo Analyses Reveal Calcium-dependent Phosphorylation Sites and Identifies a Novel Component of the Toxoplasma Invasion Motor Complex. <i>PLoS Pathogens</i> , 2011, 7, e1002222.	2.1	85
48	Potential epigenetic regulatory proteins localise to distinct nuclear sub-compartments in Plasmodium falciparum. <i>International Journal for Parasitology</i> , 2010, 40, 109-121.	1.3	71
49	A Novel Family of Apicomplexan Glideosome-associated Proteins with an Inner Membrane-anchoring Role. <i>Journal of Biological Chemistry</i> , 2009, 284, 25353-25363.	1.6	105
50	Sir2 Paralogues Cooperate to Regulate Virulence Genes and Antigenic Variation in Plasmodium falciparum. <i>PLoS Biology</i> , 2009, 7, e1000084.	2.6	211
51	Characterization of Two Putative Protein Translocation Components in the Apicoplast of Plasmodium falciparum. <i>Eukaryotic Cell</i> , 2009, 8, 1146-1154.	3.4	76
52	Protein Targeting to the Malaria Parasite Plastid. <i>Traffic</i> , 2008, 9, 166-175.	1.3	69
53	A Malaria Parasite Formin Regulates Actin Polymerization and Localizes to the Parasite-Erythrocyte Moving Junction during Invasion. <i>Cell Host and Microbe</i> , 2008, 3, 188-198.	5.1	105
54	Evolution of malaria parasite plastid targeting sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4781-4785.	3.3	57

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55	Alterations in local chromatin environment are involved in silencing and activation of subtelomeric var genes in <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2007, 66, 139-150.	1.2	39
56	Protein targeting to destinations of the secretory pathway in the malaria parasite <i>Plasmodium falciparum</i> . <i>Current Opinion in Microbiology</i> , 2006, 9, 381-387.	2.3	47
57	Evidence for Golgi-independent transport from the early secretory pathway to the plastid in malaria parasites. <i>Molecular Microbiology</i> , 2006, 61, 614-630.	1.2	87
58	N-terminal positively charged amino acids, but not their exact position, are important for apicoplast transit peptide fidelity in <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 2006, 150, 192-200.	0.5	49
59	Development of the endoplasmic reticulum, mitochondrion and apicoplast during the asexual life cycle of <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2005, 57, 405-419.	1.2	243
60	Molecular Mechanism for Switching of <i>P. falciparum</i> Invasion Pathways into Human Erythrocytes. <i>Science</i> , 2005, 309, 1384-1387.	6.0	247
61	Metabolic maps and functions of the <i>Plasmodium falciparum</i> apicoplast. <i>Nature Reviews Microbiology</i> , 2004, 2, 203-216.	13.6	560
62	Localization of organellar proteins in <i>Plasmodium falciparum</i> using a novel set of transfection vectors and a new immunofluorescence fixation method. <i>Molecular and Biochemical Parasitology</i> , 2004, 137, 13-21.	0.5	401
63	Dissecting Apicoplast Targeting in the Malaria Parasite <i>Plasmodium falciparum</i> . <i>Science</i> , 2003, 299, 705-708.	6.0	425