

# Kevin Shyong Wei Tan

## List of Publications by Year in descending order

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69  
papers

7,060  
citations

172457

29  
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95266

68  
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71  
all docs

71  
docs citations

71  
times ranked

12912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	New Insights on Classification, Identification, and Clinical Relevance of <i>Blastocystis</i> spp. <i>Clinical Microbiology Reviews</i> , 2008, 21, 639-665.	13.6	552
3	Haem-activated promiscuous targeting of artemisinin in <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , 2015, 6, 10111.	12.8	486
4	Terminology for <i>Blastocystis</i> subtypes – a consensus. <i>Trends in Parasitology</i> , 2007, 23, 93-96.	3.3	332
5	Current Views on the Clinical Relevance of <i>Blastocystis</i> spp.. <i>Current Infectious Disease Reports</i> , 2010, 12, 28-35.	3.0	166
6	Genome sequence of the stramenopile <i>Blastocystis</i> , a human anaerobic parasite. <i>Genome Biology</i> , 2011, 12, R29.	9.6	159
7	<i>Plasmodium vivax</i> : restricted tropism and rapid remodeling of CD71-positive reticulocytes. <i>Blood</i> , 2015, 125, 1314-1324.	1.4	157
8	Artesunate Induces Cell Death in Human Cancer Cells via Enhancing Lysosomal Function and Lysosomal Degradation of Ferritin. <i>Journal of Biological Chemistry</i> , 2014, 289, 33425-33441.	3.4	128
9	Predominance of subtype 3 among <i>Blastocystis</i> isolates from a major hospital in Singapore. <i>Parasitology Research</i> , 2008, 102, 663-670.	1.6	126
10	Pathogenic mechanisms in <i>Blastocystis</i> spp. – Interpreting results from in vitro and in vivo studies. <i>Parasitology International</i> , 2016, 65, 772-779.	1.3	111
11	<i>Blastocystis ratti</i> Contains Cysteine Proteases That Mediate Interleukin-8 Response from Human Intestinal Epithelial Cells in an NF- $\kappa$ B-Dependent Manner. <i>Eukaryotic Cell</i> , 2008, 7, 435-443.	3.4	103
12	Interactions between a pathogenic <i>Blastocystis</i> subtype and gut microbiota: in vitro and in vivo studies. <i>Microbiome</i> , 2019, 7, 30.	11.1	99
13	Degradation of human secretory immunoglobulin A by <i>Blastocystis</i> . <i>Parasitology Research</i> , 2005, 97, 386-389.	1.6	91
14	<i>Blastocystis ratti</i> Induces Contact-Independent Apoptosis, F-Actin Rearrangement, and Barrier Function Disruption in IEC-6 Cells. <i>Infection and Immunity</i> , 2006, 74, 4114-4123.	2.2	90
15	New insights into the interactions between <i>Blastocystis</i> , the gut microbiota, and host immunity. <i>PLoS Pathogens</i> , 2021, 17, e1009253.	4.7	76
16	Metronidazole induces programmed cell death in the protozoan parasite <i>Blastocystis hominis</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 33-43.	1.8	68
17	A Rapid, High-Throughput Viability Assay for <i>Blastocystis</i> spp. Reveals Metronidazole Resistance and Extensive Subtype-Dependent Variations in Drug Susceptibilities. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 637-648.	3.2	64
18	Differential Regulation of Proinflammatory Cytokine Expression by Mitogen-Activated Protein Kinases in Macrophages in Response to Intestinal Parasite Infection. <i>Infection and Immunity</i> , 2014, 82, 4789-4801.	2.2	63

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19	Blastocystis. Trends in Parasitology, 2020, 36, 315-316.	3.3	63
20	Intra-Subtype Variation in Enteroadhesion Accounts for Differences in Epithelial Barrier Disruption and Is Associated with Metronidazole Resistance in Blastocystis Subtype-7. PLoS Neglected Tropical Diseases, 2014, 8, e2885.	3.0	62
21	Statin pleiotropy prevents rho kinase-mediated intestinal epithelial barrier compromise induced by Blastocystis cysteine proteases. Cellular Microbiology, 2012, 14, 1474-1484.	2.1	60
22	Life Cycle-Dependent Cytoskeletal Modifications in Plasmodium falciparum Infected Erythrocytes. PLoS ONE, 2013, 8, e61170.	2.5	59
23	Complete circular DNA in the mitochondria-like organelles of Blastocystis hominis. International Journal for Parasitology, 2008, 38, 1377-1382.	3.1	56
24	Biochemical characterization of a mitochondrial-like organelle from Blastocystis sp. subtype 7. Microbiology (United Kingdom), 2008, 154, 2757-2766.	1.8	51
25	Characterization of two cysteine proteases secreted by Blastocystis ST7, a human intestinal parasite. Parasitology International, 2012, 61, 437-442.	1.3	46
26	A Metronidazole-Resistant Isolate of Blastocystis spp. Is Susceptible to Nitric Oxide and Downregulates Intestinal Epithelial Inducible Nitric Oxide Synthase by a Novel Parasite Survival Mechanism. Infection and Immunity, 2011, 79, 5019-5026.	2.2	42
27	Robust continuous in vitro culture of the Plasmodium cynomolgi erythrocytic stages. Nature Communications, 2019, 10, 3635.	12.8	39
28	Blastocystis Legumain Is Localized on the Cell Surface, and Specific Inhibition of Its Activity Implicates a Pro-survival Role for the Enzyme. Journal of Biological Chemistry, 2010, 285, 1790-1798.	3.4	37
29	A Basis for Rapid Clearance of Circulating Ring-Stage Malaria Parasites by the Spiroindolone KAE609. Journal of Infectious Diseases, 2016, 213, 100-104.	4.0	35
30	Do Blastocystis hominis colony forms undergo programmed cell death?. Parasitology Research, 2001, 87, 362-367.	1.6	30
31	Interferons and Interferon Regulatory Factors in Malaria. Mediators of Inflammation, 2014, 2014, 1-21.	3.0	30
32	Targeted Phenotypic Screening in Plasmodium falciparum and Toxoplasma gondii Reveals Novel Modes of Action of Medicines for Malaria Venture Malaria Box Molecules. MSphere, 2018, 3, .	2.9	30
33	Draft genome sequence of the intestinal parasite Blastocystis subtype 4-isolate WR1. Genomics Data, 2015, 4, 22-23.	1.3	27
34	Strict tropism for CD71+/CD234+ human reticulocytes limits the zoonotic potential of Plasmodium cynomolgi. Blood, 2017, 130, 1357-1363.	1.4	27
35	Experimental colonization with Blastocystis ST4 is associated with protective immune responses and modulation of gut microbiome in a DSS-induced colitis mouse model. Cellular and Molecular Life Sciences, 2022, 79, 245.	5.4	25
36	Pleiotropic Effects of Blastocystis spp. Subtypes 4 and 7 on Ligand-Specific Toll-Like Receptor Signaling and NF- $\kappa$ B Activation in a Human Monocyte Cell Line. PLoS ONE, 2014, 9, e89036.	2.5	24

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37	A High-Content Phenotypic Screen Reveals the Disruptive Potency of Quinacrine and 3- <i>nitro</i> -4-chlorobenzamide on the Digestive Vacuole of <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 550-558.	3.2	23
38	Ex Vivo and In Vivo Mice Models to Study <i>Blastocystis</i> spp. Adhesion, Colonization and Pathology: Closer to Proving Koch's Postulates. <i>PLoS ONE</i> , 2016, 11, e0160458.	2.5	21
39	High-Content Screening of the Medicines for Malaria Venture Pathogen Box for <i>Plasmodium falciparum</i> Digestive Vacuole-Disrupting Molecules Reveals Valuable Starting Points for Drug Discovery. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	21
40	Autophagy is involved in starvation response and cell death in <i>Blastocystis</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 1284-1293.	1.8	20
41	Staurosporine-induced programmed cell death in <i>Blastocystis</i> occurs independently of caspases and cathepsins and is augmented by calpain inhibition. <i>Microbiology (United Kingdom)</i> , 2010, 156, 1284-1293.	1.8	19
42	Strain-Dependent Induction of Human Enterocyte Apoptosis by <i>Blastocystis</i> Disrupts Epithelial Barrier and ZO-1 Organization in a Caspase 3- and 9-Dependent Manner. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	18
43	Combination Treatment With Remdesivir and Ivermectin Exerts Highly Synergistic and Potent Antiviral Activity Against Murine Coronavirus Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 700502.	3.9	18
44	The roles of parasite-derived extracellular vesicles in disease and host-parasite communication. <i>Parasitology International</i> , 2021, 83, 102373.	1.3	16
45	<i>Blastocystis</i> Isolate B Exhibits Multiple Modes of Resistance against Antimicrobial Peptide LL-37. <i>Infection and Immunity</i> , 2016, 84, 2220-2232.	2.2	15
46	Interactions between <i>Blastocystis</i> subtype ST4 and gut microbiota in vitro. <i>Parasites and Vectors</i> , 2022, 15, 80.	2.5	14
47	Colony growth as a step towards axenization of <i>Blastocystis</i> isolates. <i>Parasitology Research</i> , 1999, 85, 678-679.	1.6	13
48	Antimalarial <i>N</i> - <sup>1</sup> , <i>N</i> - <sup>3</sup> -Dialkyldioxonaphthoimidazoliums: Synthesis, Biological Activity, and Structure-Activity Relationships. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 49-55.	2.8	12
49	Taming the Sentinels: Microbiome-Derived Metabolites and Polarization of T Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7740.	4.1	12
50	Overcoming Chloroquine Resistance in Malaria: Design, Synthesis, and Structure-Activity Relationships of Novel Hybrid Compounds. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3076-3089.	3.2	11
51	Prevalence and molecular subtyping of <i>Blastocystis</i> in patients with <i>Clostridium difficile</i> infection, Singapore. <i>Parasites and Vectors</i> , 2021, 14, 277.	2.5	11
52	The lysosomotropic drug LeuLeu-OMe induces lysosome disruption and autophagy-independent cell death in <i>Trypanosoma brucei</i> . <i>Microbial Cell</i> , 2015, 2, 288-298.	3.2	11
53	Imaging flow cytometry for the screening of compounds that disrupt the <i>Plasmodium falciparum</i> digestive vacuole. <i>Methods</i> , 2017, 112, 211-220.	3.8	10
54	Seeing the Whole Elephant: Imaging Flow Cytometry Reveals Extensive Morphological Diversity within <i>Blastocystis</i> Isolates. <i>PLoS ONE</i> , 2015, 10, e0143974.	2.5	10

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55	Membrane Surface Features of Blastocystis Subtypes. <i>Genes</i> , 2018, 9, 417.	2.4	8
56	Viability Screen of LOPAC <sup>1280</sup> Reveals Phosphorylation Inhibitor Auranofin as a Potent Inhibitor of Blastocystis Subtype 1, 4, and 7 Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	6
57	Proteogenomic Insights into the Intestinal Parasite <i>Blastocystis</i> sp. Subtype 4 Isolate WR1. <i>Proteomics</i> , 2017, 17, 1700211.	2.2	5
58	Characterization of the Commercially-Available Fluorescent Chloroquine-BODIPY Conjugate, LynxTag-CQGREEN, as a Marker for Chloroquine Resistance and Uptake in a 96-Well Plate Assay. <i>PLoS ONE</i> , 2014, 9, e110800.	2.5	5
59	High-Content Phenotypic Screen of a Focused TCAMS Drug Library Identifies Novel Disruptors of the Malaria Parasite Calcium Dynamics. <i>ACS Chemical Biology</i> , 2021, 16, 2348-2372.	3.4	4
60	Near Infrared Fluorophore-Tagged Chloroquine in Plasmodium falciparum Diagnostic Imaging. <i>Molecules</i> , 2018, 23, 2635.	3.8	3
61	Screening for Drugs Against the Plasmodium falciparum Digestive Vacuole by Imaging Flow Cytometry. <i>Methods in Molecular Biology</i> , 2016, 1389, 195-205.	0.9	3
62	Continuous force-displacement relationships for the human red blood cell at different erythrocytic developmental stages of Plasmodium falciparum malaria parasite. <i>Materials Research Society Symposia Proceedings</i> , 2004, 844, 1.	0.1	2
63	Viability Screen of LOPAC <sup>1280</sup> Reveals Tyrosine Kinase Inhibitor Tyrphostin A9 as a Novel Partner Drug for Artesunate Combinations To Target the <i>Plasmodium falciparum</i> Ring Stage. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	2
64	Successful Genetic Transfection of the Colonic Protistan Parasite Blastocystis for Reliable Expression of Ectopic Genes. <i>Scientific Reports</i> , 2019, 9, 3159.	3.3	2
65	Characterisation of novel functionality within the Blastocystis tryptophanase gene. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009730.	3.0	2
66	Cell Biology of Pathogenic Protozoa and Their Interaction with Host Cells. <i>BioMed Research International</i> , 2014, 2014, 1-2.	1.9	1
67	Microbial hara-kiri: Exploiting lysosomal cell death in malaria parasites. <i>Microbial Cell</i> , 2015, 2, 57-58.	3.2	1
68	Changes in Gut Microbiota Composition Associated with the Presence of Enteric Protist <i>Blastocystis</i> in Captive Forest Musk Deer ( <i>Moschus Berezovskii</i> ). <i>Microbiology Spectrum</i> , 0, , .	3.0	1
69	Automatic cell classification and population estimation in blastocystis autophagy images. , 2010, , .		0