

# Rita Tewari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9068897/publications.pdf>

Version: 2024-02-01

76  
papers

5,086  
citations

101496

36  
h-index

102432

66  
g-index

93  
all docs

93  
docs citations

93  
times ranked

4653  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Plasmodium</i> SAS4: basal body component of male cell which is dispensable for parasite transmission. <i>Life Science Alliance</i> , 2022, 5, e202101329.	1.3	11
2	Division and Transmission: Malaria Parasite Development in the Mosquito. <i>Annual Review of Microbiology</i> , 2022, 76, 113-134.	2.9	21
3	Molecular characterization of the conoid complex in <i>Toxoplasma</i> reveals its conservation in all apicomplexans, including <i>Plasmodium</i> species. <i>PLoS Biology</i> , 2021, 19, e3001081.	2.6	56
4	Protein phosphatase 1 regulates atypical mitotic and meiotic division in <i>Plasmodium</i> sexual stages. <i>Communications Biology</i> , 2021, 4, 760.	2.0	17
5	Cryo-EM structure of a microtubule-bound parasite kinesin motor and implications for its mechanism and inhibition. <i>Journal of Biological Chemistry</i> , 2021, 297, 101063.	1.6	13
6	MRE11 Is Crucial for Malaria Parasite Transmission and Its Absence Affects Expression of Interconnected Networks of Key Genes Essential for Life. <i>Cells</i> , 2020, 9, 2590.	1.8	2
7	<i>Plasmodium berghei</i> Kinesin-5 Associates With the Spindle Apparatus During Cell Division and Is Important for Efficient Production of Infectious Sporozoites. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 583812.	1.8	18
8	<i>Plasmodium</i> Condensin Core Subunits SMC2/SMC4 Mediate Atypical Mitosis and Are Essential for Parasite Proliferation and Transmission. <i>Cell Reports</i> , 2020, 30, 1883-1897.e6.	2.9	22
9	Real-time dynamics of <i>Plasmodium</i> NDC80 reveals unusual modes of chromosome segregation during parasite proliferation. <i>Journal of Cell Science</i> , 2020, 134, .	1.2	51
10	<i>Plasmodium</i> DEH is ER-localized and crucial for oocyst mitotic division during malaria transmission. <i>Life Science Alliance</i> , 2020, 3, e202000879.	1.3	6
11	A divergent cyclin/cyclin-dependent kinase complex controls the atypical replication of a malaria parasite during gametogony and transmission. <i>ELife</i> , 2020, 9, .	2.8	41
12	<i>Plasmodium</i> centrin <i>Pb</i> CEN-4 localizes to the putative MTOC and is dispensable for malaria parasite proliferation. <i>Biology Open</i> , 2019, 8, .	0.6	36
13	Systematic analysis of <i>Plasmodium</i> myosins reveals differential expression, localisation, and function in invasive and proliferative parasite stages. <i>Cellular Microbiology</i> , 2019, 21, e13082.	1.1	37
14	<i>Plasmodium</i> kinesin-8X associates with mitotic spindles and is essential for oocyst development during parasite proliferation and transmission. <i>PLoS Pathogens</i> , 2019, 15, e1008048.	2.1	43
15	Comparative 3D genome organization in apicomplexan parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3183-3192.	3.3	65
16	Kinesin-8B controls basal body function and flagellum formation and is key to malaria transmission. <i>Life Science Alliance</i> , 2019, 2, e201900488.	1.3	33
17	<i>Plasmodium</i> APC3 mediates chromosome condensation and cytokinesis during atypical mitosis in male gametogenesis. <i>Scientific Reports</i> , 2018, 8, 5610.	1.6	43
18	High throughput <i>in silico</i> identification and characterization of <i>Plasmodium falciparum</i> PRL phosphatase inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3531-3540.	2.0	9

#	ARTICLE	IF	CITATIONS
19	Changes in genome organization of parasite-specific gene families during the Plasmodium transmission stages. <i>Nature Communications</i> , 2018, 9, 1910.	5.8	82
20	Sex in Plasmodium falciparum: Silence Play between GDV1 and HP1. <i>Trends in Parasitology</i> , 2018, 34, 450-452.	1.5	8
21	Compositional and expression analyses of the glideosome during the Plasmodium life cycle reveal an additional myosin light chain required for maximum motility. <i>Journal of Biological Chemistry</i> , 2017, 292, 17857-17875.	1.6	41
22	Plasmodium Peekaboo: PK4 Mediates Parasite Latency. <i>Cell Host and Microbe</i> , 2017, 22, 724-725.	5.1	0
23	Photosensitized INA-Labelled protein 1 (PhIL1) is novel component of the inner membrane complex and is required for Plasmodium parasite development. <i>Scientific Reports</i> , 2017, 7, 15577.	1.6	39
24	Nutrient sensing modulates malaria parasite virulence. <i>Nature</i> , 2017, 547, 213-216.	13.7	146
25	Biliverdin targets enolase and eukaryotic initiation factor 2 (eIF2 $\pm$ ) to reduce the growth of intraerythrocytic development of the malaria parasite Plasmodium falciparum. <i>Scientific Reports</i> , 2016, 6, 22093.	1.6	12
26	An Apicomplexan Actin-Binding Protein Serves as a Connector and Lipid Sensor to Coordinate Motility and Invasion. <i>Cell Host and Microbe</i> , 2016, 20, 731-743.	5.1	107
27	SAS6-like protein in Plasmodium indicates that conoid-associated apical complex proteins persist in invasive stages within the mosquito vector. <i>Scientific Reports</i> , 2016, 6, 28604.	1.6	41
28	The Plasmodium Class XIV Myosin, MyoB, Has a Distinct Subcellular Location in Invasive and Motile Stages of the Malaria Parasite and an Unusual Light Chain. <i>Journal of Biological Chemistry</i> , 2015, 290, 12147-12164.	1.6	31
29	Plasmodium P-Type Cyclin CYC3 Modulates Endomitotic Growth during Oocyst Development in Mosquitoes. <i>PLoS Pathogens</i> , 2015, 11, e1005273.	2.1	70
30	Commit and Transmit: Molecular Players in Plasmodium Sexual Development and Zygote Differentiation. <i>Trends in Parasitology</i> , 2015, 31, 676-685.	1.5	51
31	Malaria Induces Anemia through CD8 <sup>+</sup> T Cell-Dependent Parasite Clearance and Erythrocyte Removal in the Spleen. <i>MBio</i> , 2015, 6, .	1.8	46
32	Global expression profiling reveals shared and distinct transcript signatures in arrested act2( $\hat{a}$ <sup>+</sup> ) and CDPK4( $\hat{a}$ <sup>+</sup> ) Plasmodium berghei gametocytes. <i>Molecular and Biochemical Parasitology</i> , 2015, 201, 100-107.	0.5	4
33	Development of a Transgenic Plasmodium berghei Line (Pbpfpkg) Expressing the P. falciparum cGMP-Dependent Protein Kinase, a Novel Antimalarial Drug Target. <i>PLoS ONE</i> , 2014, 9, e96923.	1.1	5
34	The Repeat Region of the Circumsporozoite Protein is Critical for Sporozoite Formation and Maturation in Plasmodium. <i>PLoS ONE</i> , 2014, 9, e113923.	1.1	51
35	<sc>RON</sc> 12, a novel <i><sc>P</sc> lasmodium </i> â€specific rhoptry neck protein important for parasite proliferation. <i>Cellular Microbiology</i> , 2014, 16, 657-672.	1.1	21
36	Validation of N-myristoyltransferase as an antimalarial drug target using an integrated chemical biology approach. <i>Nature Chemistry</i> , 2014, 6, 112-121.	6.6	196

#	ARTICLE	IF	CITATIONS
37	Genome-wide Functional Analysis of Plasmodium Protein Phosphatases Reveals Key Regulators of Parasite Development and Differentiation. <i>Cell Host and Microbe</i> , 2014, 16, 128-140.	5.1	122
38	An Ancient Protein Phosphatase, SHLP1, Is Critical to Microneme Development in Plasmodium Ookinetes and Parasite Transmission. <i>Cell Reports</i> , 2013, 3, 622-629.	2.9	44
39	Unique apicomplexan IMC sub-compartment proteins are early markers for apical polarity in the malaria parasite. <i>Biology Open</i> , 2013, 2, 1160-1170.	0.6	51
40	The Plasmodium berghei Ca <sup>2+</sup> /H <sup>+</sup> Exchanger, PbCAX, Is Essential for Tolerance to Environmental Ca <sup>2+</sup> during Sexual Development. <i>PLoS Pathogens</i> , 2013, 9, e1003191.	2.1	35
41	Expression in Yeast Links Field Polymorphisms in PfATP6 to in Vitro Artemisinin Resistance and Identifies New Inhibitor Classes. <i>Journal of Infectious Diseases</i> , 2013, 208, 468-478.	1.9	25
42	Arrest of Nuclear Division in Plasmodium through Blockage of Erythrocyte Surface Exposed Ribosomal Protein P2. <i>PLoS Pathogens</i> , 2012, 8, e1002858.	2.1	25
43	Sexual Development in Plasmodium: Lessons from Functional Analyses. <i>PLoS Pathogens</i> , 2012, 8, e1002404.	2.1	29
44	A Putative Homologue of CDC20/CDH1 in the Malaria Parasite Is Essential for Male Gamete Development. <i>PLoS Pathogens</i> , 2012, 8, e1002554.	2.1	52
45	A Unique Protein Phosphatase with Kelch-Like Domains (PPKL) in Plasmodium Modulates Ookinete Differentiation, Motility and Invasion. <i>PLoS Pathogens</i> , 2012, 8, e1002948.	2.1	90
46	Deletion of a Malaria Invasion Gene Reduces Death and Anemia, in Model Hosts. <i>PLoS ONE</i> , 2011, 6, e25477.	1.1	17
47	The malaria circumsporozoite protein has two functional domains, each with distinct roles as sporozoites journey from mosquito to mammalian host. <i>Journal of Experimental Medicine</i> , 2011, 208, 341-356.	4.2	266
48	Use of a Selective Inhibitor To Define the Chemotherapeutic Potential of the Plasmodial Hexose Transporter in Different Stages of the Parasite's Life Cycle. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 2824-2830.	1.4	39
49	Targeted Disruption of py235ebp-1: Invasion of Erythrocytes by Plasmodium yoelii Using an Alternative Py235 Erythrocyte Binding Protein. <i>PLoS Pathogens</i> , 2011, 7, e1001288.	2.1	18
50	Armadillo-repeat protein functions: questions for little creatures. <i>Trends in Cell Biology</i> , 2010, 20, 470-481.	3.6	222
51	Life cycle studies of the hexose transporter of <i>Plasmodium</i> species and genetic validation of their essentiality. <i>Molecular Microbiology</i> , 2010, 75, 1402-1413.	1.2	71
52	Minimal Role for the Circumsporozoite Protein in the Induction of Sterile Immunity by Vaccination with Live Rodent Malaria Sporozoites. <i>Infection and Immunity</i> , 2010, 78, 2182-2188.	1.0	40
53	The Systematic Functional Analysis of Plasmodium Protein Kinases Identifies Essential Regulators of Mosquito Transmission. <i>Cell Host and Microbe</i> , 2010, 8, 377-387.	5.1	267
54	The Armadillo Repeat Protein PF16 Is Essential for Flagellar Structure and Function in Plasmodium Male Gametes. <i>PLoS ONE</i> , 2010, 5, e12901.	1.1	57

#	ARTICLE	IF	CITATIONS
55	A Role for Immune Responses against Non-CS Components in the Cross-Species Protection Induced by Immunization with Irradiated Malaria Sporozoites. PLoS ONE, 2009, 4, e7717.	1.1	36
56	An Essential Role for the Plasmodium Nek-2 Nima-related Protein Kinase in the Sexual Development of Malaria Parasites. Journal of Biological Chemistry, 2009, 284, 20858-20868.	1.6	94
57	Reverse genetics screen identifies six proteins important for malaria development in the mosquito. Molecular Microbiology, 2008, 70, 209-220.	1.2	119
58	The conserved plant sterility gene <i>HAP2</i> functions after attachment of fusogenic membranes in <i>Chlamydomonas</i> and <i>Plasmodium</i> gametes. Genes and Development, 2008, 22, 1051-1068.	2.7	286
59	Female Inheritance of Malarial <i>lap</i> Genes Is Essential for Mosquito Transmission. PLoS Pathogens, 2007, 3, e30.	2.1	65
60	Heparan Sulfate Proteoglycans Provide a Signal to Plasmodium Sporozoites to Stop Migrating and Productively Invade Host Cells. Cell Host and Microbe, 2007, 2, 316-327.	5.1	221
61	A simple, robust and versatile method to characterise intracellular parasitism. Molecular and Biochemical Parasitology, 2007, 153, 72-76.	0.5	4
62	Sterile Protection against Malaria Is Independent of Immune Responses to the Circumsporozoite Protein. PLoS ONE, 2007, 2, e1371.	1.1	81
63	Disruption of Plasmodium berghei merozoite surface protein 7 gene modulates parasite growth in vivo. Blood, 2005, 105, 394-396.	0.6	34
64	Motility and infectivity of Plasmodium berghei sporozoites expressing avian Plasmodium gallinaceum circumsporozoite protein. Cellular Microbiology, 2005, 7, 699-707.	1.1	26
65	An atypical mitogen-activated protein kinase controls cytokinesis and flagellar motility during male gamete formation in a malaria parasite. Molecular Microbiology, 2005, 58, 1253-1263.	1.2	127
66	A NIMA-related Protein Kinase Is Essential for Completion of the Sexual Cycle of Malaria Parasites. Journal of Biological Chemistry, 2005, 280, 31957-31964.	1.6	138
67	Hypervariable and Highly Divergent Intron/Exon Organizations in the Chordate <i>Oikopleura dioica</i> . Journal of Molecular Evolution, 2004, 59, 448-457.	0.8	44
68	Calcium and a Calcium-Dependent Protein Kinase Regulate Gamete Formation and Mosquito Transmission in a Malaria Parasite. Cell, 2004, 117, 503-514.	13.5	415
69	Functional and comparative analysis of globin loci in pufferfish and humans. Blood, 2003, 101, 2842-2849.	0.6	53
70	Function of Region I and II Adhesive Motifs of Plasmodium falciparum Circumsporozoite Protein in Sporozoite Motility and Infectivity. Journal of Biological Chemistry, 2002, 277, 47613-47618.	1.6	98
71	Identification of Two Distinct Subpopulations of Leishmania major -Specific T Helper 2 Cells. Infection and Immunity, 2002, 70, 5512-5520.	1.0	14
72	Erythroid Kruppel-like factor (EKLF) is active in primitive and definitive erythroid cells and is required for the function of 5'HS3 of the beta -globin locus control region. EMBO Journal, 1998, 17, 2334-2341.	3.5	70

#	ARTICLE	IF	CITATIONS
73	Altered DNA-binding specificity mutants of EKLF and Sp1 show that EKLF is an activator of the beta-globin locus control region in vivo. <i>Genes and Development</i> , 1998, 12, 2863-2873.	2.7	60
74	Sex chromosome polymorphism and heterogametic males revealed by two cloned DNA probes in the ZW/ZZ fish <i>Leporinus elongatus</i> . <i>Chromosoma</i> , 1994, 103, 31-39.	1.0	67
75	Mendelian transmission, structure and expression of transgenes following their injection into the cytoplasm of trout eggs. <i>Transgenic Research</i> , 1992, 1, 250-260.	1.3	32
76	Leukemic cells arise from cloned cytotoxic lymphocytes during cell culture. <i>European Journal of Immunology</i> , 1986, 16, 1269-1276.	1.6	5