

# Rita Tewari

## List of Publications by Year in descending order

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76  
papers

5,086  
citations

101543

36  
h-index

102487

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. Life Science Alliance, 2022, 5, e202101329.	2.8	11
2	Division and Transmission: Malaria Parasite Development in the Mosquito. Annual Review of Microbiology, 2022, 76, 113-134.	7.3	21
3	Molecular characterization of the conoid complex in Toxoplasma reveals its conservation in all apicomplexans, including Plasmodium species. PLoS Biology, 2021, 19, e3001081.	5.6	56
4	Protein phosphatase 1 regulates atypical mitotic and meiotic division in Plasmodium sexual stages. Communications Biology, 2021, 4, 760.	4.4	17
5	Cryo-EM structure of a microtubule-bound parasite kinesin motor and implications for its mechanism and inhibition. Journal of Biological Chemistry, 2021, 297, 101063.	3.4	13
6	MRE11 Is Crucial for Malaria Parasite Transmission and Its Absence Affects Expression of Interconnected Networks of Key Genes Essential for Life. Cells, 2020, 9, 2590.	4.1	2
7	Plasmodium berghei Kinesin-5 Associates With the Spindle Apparatus During Cell Division and Is Important for Efficient Production of Infectious Sporozoites. Frontiers in Cellular and Infection Microbiology, 2020, 10, 583812.	3.9	18
8	Plasmodium Condensin Core Subunits SMC2/SMC4 Mediate Atypical Mitosis and Are Essential for Parasite Proliferation and Transmission. Cell Reports, 2020, 30, 1883-1897.e6.	6.4	22
9	Real-time dynamics of <i>Plasmodium</i> NDC80 reveals unusual modes of chromosome segregation during parasite proliferation. Journal of Cell Science, 2020, 134, .	2.0	51
10	<i>Plasmodium</i> DEH is ER-localized and crucial for oocyst mitotic division during malaria transmission. Life Science Alliance, 2020, 3, e202000879.	2.8	6
11	A divergent cyclin/cyclin-dependent kinase complex controls the atypical replication of a malaria parasite during gametogony and transmission. ELife, 2020, 9, .	6.0	41
12	<i>Plasmodium</i> centrin <i>Pb</i> CEN-4 localizes to the putative MTOC and is dispensable for malaria parasite proliferation. Biology Open, 2019, 8, .	1.2	36
13	Systematic analysis of <i>Plasmodium</i> myosins reveals differential expression, localisation, and function in invasive and proliferative parasite stages. Cellular Microbiology, 2019, 21, e13082.	2.1	37
14	Plasmodium kinesin-8X associates with mitotic spindles and is essential for oocyst development during parasite proliferation and transmission. PLoS Pathogens, 2019, 15, e1008048.	4.7	43
15	Comparative 3D genome organization in apicomplexan parasites. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3183-3192.	7.1	65
16	Kinesin-8B controls basal body function and flagellum formation and is key to malaria transmission. Life Science Alliance, 2019, 2, e201900488.	2.8	33
17	Plasmodium APC3 mediates chromosome condensation and cytokinesis during atypical mitosis in male gametogenesis. Scientific Reports, 2018, 8, 5610.	3.3	43
18	High throughput <i>in silico</i> identification and characterization of <i>Plasmodium falciparum</i> PRL phosphatase inhibitors. Journal of Biomolecular Structure and Dynamics, 2018, 36, 3531-3540.	3.5	9

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19	Changes in genome organization of parasite-specific gene families during the Plasmodium transmission stages. <i>Nature Communications</i> , 2018, 9, 1910.	12.8	82
20	Sex in Plasmodium falciparum: Silence Play between GDV1 and HP1. <i>Trends in Parasitology</i> , 2018, 34, 450-452.	3.3	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.	3.4	41
22	Plasmodium Peekaboo: PK4 Mediates Parasite Latency. <i>Cell Host and Microbe</i> , 2017, 22, 724-725.	11.0	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.	3.3	39
24	Nutrient sensing modulates malaria parasite virulence. <i>Nature</i> , 2017, 547, 213-216.	27.8	146
25	Biliverdin targets enolase and eukaryotic initiation factor 2 (eIF2 $\hat{\pm}$ ) to reduce the growth of intraerythrocytic development of the malaria parasite Plasmodium falciparum. <i>Scientific Reports</i> , 2016, 6, 22093.	3.3	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.	11.0	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.	3.3	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.	3.4	31
29	Plasmodium P-Type Cyclin CYC3 Modulates Endomitotic Growth during Oocyst Development in Mosquitoes. <i>PLoS Pathogens</i> , 2015, 11, e1005273.	4.7	70
30	Commit and Transmit: Molecular Players in Plasmodium Sexual Development and Zygote Differentiation. <i>Trends in Parasitology</i> , 2015, 31, 676-685.	3.3	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, .	4.1	46
32	Global expression profiling reveals shared and distinct transcript signatures in arrested act2( $\hat{\sim}$ ) and CDPK4( $\hat{\sim}$ ) Plasmodium berghei gametocytes. <i>Molecular and Biochemical Parasitology</i> , 2015, 201, 100-107.	1.1	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.	2.5	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.	2.5	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.	2.1	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.	13.6	196

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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.	11.0	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.	6.4	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.	1.2	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.	4.7	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.	4.0	25
42	Arrest of Nuclear Division in Plasmodium through Blockage of Erythrocyte Surface Exposed Ribosomal Protein P2. <i>PLoS Pathogens</i> , 2012, 8, e1002858.	4.7	25
43	Sexual Development in Plasmodium: Lessons from Functional Analyses. <i>PLoS Pathogens</i> , 2012, 8, e1002404.	4.7	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.	4.7	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.	4.7	90
46	Deletion of a Malaria Invasion Gene Reduces Death and Anemia, in Model Hosts. <i>PLoS ONE</i> , 2011, 6, e25477.	2.5	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.	8.5	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.	3.2	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.	4.7	18
50	Armadillo-repeat protein functions: questions for little creatures. <i>Trends in Cell Biology</i> , 2010, 20, 470-481.	7.9	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.	2.5	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.	2.2	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.	11.0	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.	2.5	57

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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.	2.5	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.	3.4	94
57	Reverse genetics screen identifies six proteins important for malaria development in the mosquito. Molecular Microbiology, 2008, 70, 209-220.	2.5	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.	5.9	286
59	Female Inheritance of Malarial <i>lap</i> Genes Is Essential for Mosquito Transmission. PLoS Pathogens, 2007, 3, e30.	4.7	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.	11.0	221
61	A simple, robust and versatile method to characterise intracellular parasitism. Molecular and Biochemical Parasitology, 2007, 153, 72-76.	1.1	4
62	Sterile Protection against Malaria Is Independent of Immune Responses to the Circumsporozoite Protein. PLoS ONE, 2007, 2, e1371.	2.5	81
63	Disruption of Plasmodium berghei merozoite surface protein 7 gene modulates parasite growth in vivo. Blood, 2005, 105, 394-396.	1.4	34
64	Motility and infectivity of Plasmodium berghei sporozoites expressing avian Plasmodium gallinaceum circumsporozoite protein. Cellular Microbiology, 2005, 7, 699-707.	2.1	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.	2.5	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.	3.4	138
67	Hypervariable and Highly Divergent Intron/Exon Organizations in the Chordate <i>Oikopleura dioica</i> . Journal of Molecular Evolution, 2004, 59, 448-457.	1.8	44
68	Calcium and a Calcium-Dependent Protein Kinase Regulate Gamete Formation and Mosquito Transmission in a Malaria Parasite. Cell, 2004, 117, 503-514.	28.9	415
69	Functional and comparative analysis of globin loci in pufferfish and humans. Blood, 2003, 101, 2842-2849.	1.4	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.	3.4	98
71	Identification of Two Distinct Subpopulations of Leishmania major -Specific T Helper 2 Cells. Infection and Immunity, 2002, 70, 5512-5520.	2.2	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.	7.8	70

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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.	5.9	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.	2.2	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.	2.4	32
76	Leukemic cells arise from cloned cytotoxic lymphocytes during cell culture. <i>European Journal of Immunology</i> , 1986, 16, 1269-1276.	2.9	5