

# Rajnikant Dixit

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,454  
citations

516710

16  
h-index

345221

36  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hemocyte Differentiation Mediates Innate Immune Memory in <i>Anopheles gambiae</i> Mosquitoes. <i>Science</i> , 2010, 329, 1353-1355.	12.6	395
2	Cysteine Proteases: Modes of Activation and Future Prospects as Pharmacological Targets. <i>Frontiers in Pharmacology</i> , 2016, 7, 107.	3.5	191
3	The STAT Pathway Mediates Late-Phase Immunity against <i>Plasmodium</i> in the Mosquito <i>Anopheles gambiae</i> . <i>Cell Host and Microbe</i> , 2009, 5, 498-507.	11.0	157
4	Salivary glands harbor more diverse microbial communities than gut in <i>Anopheles culicifacies</i> . <i>Parasites and Vectors</i> , 2014, 7, 235.	2.5	101
5	Altered Gut Microbiota and Immunity Defines <i>Plasmodium vivax</i> Survival in <i>Anopheles stephensi</i> . <i>Frontiers in Immunology</i> , 2020, 11, 609.	4.8	41
6	Interorgan Molecular Communication Strategies of "Local" and "Systemic" Innate Immune Responses in Mosquito <i>Anopheles stephensi</i> . <i>Frontiers in Immunology</i> , 2018, 9, 148.	4.8	37
7	Salivary gland transcriptome analysis during <i>Plasmodium</i> infection in malaria vector <i>Anopheles stephensi</i> . <i>International Journal of Infectious Diseases</i> , 2009, 13, 636-646.	3.3	34
8	Structure-Function of Falcipains: Malarial Cysteine Proteases. <i>Journal of Tropical Medicine</i> , 2012, 2012, 1-11.	1.7	34
9	Hemocytome: deep sequencing analysis of mosquito blood cells in Indian malarial vector <i>Anopheles stephensi</i> . <i>Gene</i> , 2016, 585, 177-190.	2.2	34
10	Unraveling dual feeding associated molecular complexity of salivary glands in the mosquito <i>Anopheles culicifacies</i> . <i>Biology Open</i> , 2015, 4, 1002-1015.	1.2	32
11	Salivary gland transcriptome analysis in response to sugar feeding in malaria vector <i>Anopheles stephensi</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 1399-1406.	2.0	30
12	Parasite Killing in Malaria Non-Vector Mosquito <i>Anopheles culicifacies</i> Species B: Implication of Nitric Oxide Synthase Upregulation. <i>PLoS ONE</i> , 2011, 6, e18400.	2.5	26
13	A Synergistic Transcriptional Regulation of Olfactory Genes Drives Blood-Feeding Associated Complex Behavioral Responses in the Mosquito <i>Anopheles culicifacies</i> . <i>Frontiers in Physiology</i> , 2018, 9, 577.	2.8	26
14	An Epithelial Serine Protease, AgESP, Is Required for <i>Plasmodium</i> Invasion in the Mosquito <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2012, 7, e35210.	2.5	20
15	The Ionic and Hydrophobic Interactions Are Required for the Auto Activation of Cysteine Proteases of <i>Plasmodium falciparum</i> . <i>PLoS ONE</i> , 2012, 7, e47227.	2.5	20
16	Establishment and application of a novel isothermal amplification assay for rapid detection of chloroquine resistance (K76T) in <i>Plasmodium falciparum</i> . <i>Scientific Reports</i> , 2017, 7, 41119.	3.3	18
17	Allosteric Site Inhibitor Disrupting Auto-Processing of Malarial Cysteine Proteases. <i>Scientific Reports</i> , 2018, 8, 16193.	3.3	16
18	Elevated serum matrix metalloprotease (MMP-2) as a candidate biomarker for stable COPD. <i>BMC Pulmonary Medicine</i> , 2020, 20, 302.	2.0	16

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19	Metacaspases: Potential Drug Target Against Protozoan Parasites. <i>Frontiers in Pharmacology</i> , 2019, 10, 790.	3.5	15
20	Biochemical characterization of unusual cysteine protease of <i>P. falciparum</i> , metacaspase-2 (MCA-2). <i>Molecular and Biochemical Parasitology</i> , 2018, 220, 28-41.	1.1	14
21	Molecular and phylogenetic analysis of a novel salivary defensin cDNA from malaria vector <i>Anopheles stephensi</i> . <i>Acta Tropica</i> , 2008, 106, 75-79.	2.0	13
22	Evaluation of four novel isothermal amplification assays towards simple and rapid genotyping of chloroquine resistant <i>Plasmodium falciparum</i> . <i>Experimental Parasitology</i> , 2018, 190, 1-9.	1.2	13
23	Engineering Nucleotide Specificity of Succinyl-CoA Synthetase in <i>Blastocystis</i> : The Emerging Role of Gatekeeper Residues. <i>Biochemistry</i> , 2017, 56, 534-542.	2.5	11
24	Current scenario and future strategies to fight artemisinin resistance. <i>Parasitology Research</i> , 2019, 118, 29-42.	1.6	11
25	Sequence homology and structural analysis of plasmepsin 4 isolated from Indian <i>Plasmodium vivax</i> isolates. <i>Infection, Genetics and Evolution</i> , 2011, 11, 924-933.	2.3	10
26	Sex specific molecular responses of quick-to-court protein in Indian malarial vector <i>Anopheles culicifacies</i> : conflict of mating versus blood feeding behaviour. <i>Heliyon</i> , 2017, 3, e00361.	3.2	10
27	Molecular and Functional Characterization of Trehalase in the Mosquito <i>Anopheles stephensi</i> . <i>Frontiers in Physiology</i> , 2020, 11, 575718.	2.8	10
28	Molecular and phylogenetic analysis of a novel family of fibrinogen-related proteins from mosquito <i>Aedes albopictus</i> cell line. <i>Computational Biology and Chemistry</i> , 2008, 32, 382-386.	2.3	9
29	Cross-Talk between Malarial Cysteine Proteases and Falstatin: The BC Loop as a Hot-Spot Target. <i>PLoS ONE</i> , 2014, 9, e93008.	2.5	9
30	Deep sequencing revealed molecular signature of horizontal gene transfer of plant like transcripts in the mosquito <i>Anopheles culicifacies</i> : an evolutionary puzzle. <i>F1000Research</i> , 2015, 4, 1523.	1.6	9
31	Genetic changes of <i>Plasmodium vivax</i> tempers host tissue-specific responses in <i>Anopheles stephensi</i> . <i>Current Research in Immunology</i> , 2021, 2, 12-22.	2.8	8
32	Dissecting The role of <i>Plasmodium</i> metacaspase-2 in malaria gametogenesis and sporogony. <i>Emerging Microbes and Infections</i> , 2022, 11, 938-955.	6.5	8
33	Crucial residues in falcipains that mediate hemoglobin hydrolysis. <i>Experimental Parasitology</i> , 2019, 197, 43-50.	1.2	7
34	Hemocyte RNA-Seq analysis of Indian malarial vectors <i>Anopheles stephensi</i> and <i>Anopheles culicifacies</i> : From similarities to differences. <i>Gene</i> , 2021, 798, 145810.	2.2	7
35	Metacaspase-3 of <i>Plasmodium falciparum</i> : An atypical trypsin-like serine protease. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 309-320.	7.5	6
36	Bidirectional Microbiome-Gut-Brain-Axis Communication Influences Metabolic Switch-Associated Responses in the Mosquito <i>Anopheles culicifacies</i> . <i>Cells</i> , 2022, 11, 1798.	4.1	6

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37	Hemocyte-specific FREP13 abrogates the exogenous bacterial population in the hemolymph and promotes midgut endosymbionts in <i>Anopheles stephensi</i> . <i>Immunology and Cell Biology</i> , 2020, 98, 757-769.	2.3	5
38	Identification of putative innate immune related genes from a cell line of the mosquito <i>Aedes albopictus</i> following bacterial challenge. <i>Innate Immunity</i> , 2011, 17, 106-117.	2.4	4
39	Proteases in Mosquito Borne Diseases: New Avenues in Drug Development. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 2221-2232.	2.1	4
40	Transcriptional responses of attractin gene in the mosquito <i>Anopheles culicifacies</i> : A synergistic neuro-olfactory regulation. <i>Journal of Vector Borne Diseases</i> , 2018, 55, 89.	0.4	3
41	Molecular identification of <i>Aedes aegypti</i> mosquitoes from Pilani region of Rajasthan, India. <i>Journal of Vector Borne Diseases</i> , 2016, 53, 149-55.	0.4	3
42	A testis-expressing heme peroxidase HPX12 regulates male fertility in the mosquito <i>Anopheles stephensi</i> . <i>Scientific Reports</i> , 2022, 12, 2597.	3.3	3
43	Transcriptome analysis of <i>Anopheles stephensi</i> embryo using expressed sequence tags. <i>Journal of Biosciences</i> , 2013, 38, 301-309.	1.1	2
44	Neuro-Olfactory Regulation and Salivary Actions: A Coordinated Event for Successful Blood-Feeding Behavior of Mosquitoes. , 2020, , .		2
45	Identification and characterization of a new putative c-type lysozyme from malaria vector <i>Anopheles stephensi</i> . <i>Indian Journal of Biochemistry and Biophysics</i> , 2006, 43, 15-9.	0.0	2
46	Functional disruption of transferrin expression alters reproductive physiology in <i>Anopheles culicifacies</i> . <i>PLoS ONE</i> , 2022, 17, e0264523.	2.5	2
47	Partial genomic organization of ribosomal protein S7 gene from malaria vector <i>Anopheles stephensi</i> . <i>Insect Science</i> , 2007, 14, 101-106.	3.0	1
48	Molecular Dynamics of Mosquito- <i>Plasmodium vivax</i> Interaction: A Smart Strategy of Parasitism. , 0, , .		1
49	Protein-Protein Interactions in Malaria: Emerging Arena for Future Chemotherapeutics. , 0, , .		0
50	The nucleotide specificity of succinyl-CoA synthetase of <i>Plasmodium falciparum</i> is not determined by charged gatekeeper residues alone. <i>FEBS Open Bio</i> , 2021, 11, 578-587.	2.3	0
51	Resolving the conflict of mating versus blood feeding: exploring role of quick-to-court gene in the mosquito <i>Anopheles culicifacies</i> . <i>Canadian Journal of Biotechnology</i> , 2017, 1, 101-101.	0.3	0