Rajnikant Dixit

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4089025/publications.pdf

Version: 2024-02-01

51	1,454	516710 16	345221 36
papers	citations	h-index	g-index

68	68	68	1928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A testis-expressing heme peroxidase HPX12 regulates male fertility in the mosquito Anopheles stephensi. Scientific Reports, 2022, 12, 2597.	3.3	3
2	Dissecting The role of Plasmodium metacaspase-2 in malaria gametogenesis and sporogony. Emerging Microbes and Infections, 2022, 11, 938-955.	6.5	8
3	Functional disruption of transferrin expression alters reproductive physiology in Anopheles culicifacies. PLoS ONE, 2022, 17, e0264523.	2.5	2
4	Bidirectional Microbiome-Gut-Brain-Axis Communication Influences Metabolic Switch-Associated Responses in the Mosquito Anopheles culicifacies. Cells, 2022, 11, 1798.	4.1	6
5	The nucleotide specificity of succinylâ€CoA synthetase of Plasmodium falciparum is not determined by charged gatekeeper residues alone. FEBS Open Bio, 2021, 11, 578-587.	2.3	0
6	Hemocyte RNA-Seq analysis of Indian malarial vectors Anopheles stephensi and Anopheles culicifacies: From similarities to differences. Gene, 2021, 798, 145810.	2.2	7
7	Genetic changes of Plasmodium vivax tempers host tissue-specific responses in Anopheles stephensi. Current Research in Immunology, 2021, 2, 12-22.	2.8	8
8	Hemocyteâ€specific FREP13 abrogates the exogenous bacterial population in the hemolymph and promotes midgut endosymbionts in Anopheles stephensi. Immunology and Cell Biology, 2020, 98, 757-769.	2.3	5
9	Elevated serum matrix metalloprotease (MMP-2) as a candidate biomarker for stable COPD. BMC Pulmonary Medicine, 2020, 20, 302.	2.0	16
10	Neuro-Olfactory Regulation and Salivary Actions: A Coordinated Event for Successful Blood-Feeding Behavior of Mosquitoes. , 2020, , .		2
11	Molecular and Functional Characterization of Trehalase in the Mosquito Anopheles stephensi. Frontiers in Physiology, 2020, 11, 575718.	2.8	10
12	Altered Gut Microbiota and Immunity Defines Plasmodium vivax Survival in Anopheles stephensi. Frontiers in Immunology, 2020, 11, 609.	4.8	41
13	Metacaspase-3 of Plasmodium falciparum: An atypical trypsin-like serine protease. International Journal of Biological Macromolecules, 2019, 138, 309-320.	7.5	6
14	Metacaspases: Potential Drug Target Against Protozoan Parasites. Frontiers in Pharmacology, 2019, 10, 790.	3.5	15
15	Current scenario and future strategies to fight artemisinin resistance. Parasitology Research, 2019, 118, 29-42.	1.6	11
16	Crucial residues in falcipains that mediate hemoglobin hydrolysis. Experimental Parasitology, 2019, 197, 43-50.	1.2	7
17	Biochemical characterization of unusual cysteine protease of P. falciparum , metacaspase-2 (MCA-2). Molecular and Biochemical Parasitology, 2018, 220, 28-41.	1.1	14
18	Allosteric Site Inhibitor Disrupting Auto-Processing of Malarial Cysteine Proteases. Scientific Reports, 2018, 8, 16193.	3.3	16

#	Article	IF	Citations
19	A Synergistic Transcriptional Regulation of Olfactory Genes Drives Blood-Feeding Associated Complex Behavioral Responses in the Mosquito Anopheles culicifacies. Frontiers in Physiology, 2018, 9, 577.	2.8	26
20	Interorgan Molecular Communication Strategies of â€œLocalâ€•and â€œSystemicâ€•Innate Immune Responses in Mosquito Anopheles stephensi. Frontiers in Immunology, 2018, 9, 148.	4.8	37
21	Evaluation of four novel isothermal amplification assays towards simple and rapid genotyping of chloroquine resistant Plasmodium falciparum. Experimental Parasitology, 2018, 190, 1-9.	1.2	13
22	Transcriptional responses of attractin gene in the mosquito Anopheles culicifacies: A synergistic neuro-olfactory regulation. Journal of Vector Borne Diseases, 2018, 55, 89.	0.4	3
23	Establishment and application of a novel isothermal amplification assay for rapid detection of chloroquine resistance (K76T) in Plasmodium falciparum. Scientific Reports, 2017, 7, 41119.	3.3	18
24	Sex specific molecular responses of quick-to-court protein in Indian malarial vector Anopheles culicifacies : conflict of mating versus blood feeding behaviour. Heliyon, 2017, 3, e00361.	3.2	10
25	Engineering Nucleotide Specificity of Succinyl-CoA Synthetase in Blastocystis: The Emerging Role of Gatekeeper Residues. Biochemistry, 2017, 56, 534-542.	2.5	11
26	Proteases in Mosquito Borne Diseases: New Avenues in Drug Development. Current Topics in Medicinal Chemistry, 2017, 17, 2221-2232.	2.1	4
27	Resolving the conflict of mating versus blood feeding: exploring role of quick-to-court gene in the mosquito Anopheles culicifacies. Canadian Journal of Biotechnology, 2017, 1, 101-101.	0.3	0
28	Cysteine Proteases: Modes of Activation and Future Prospects as Pharmacological Targets. Frontiers in Pharmacology, 2016, 7, 107.	3.5	191
29	Hemocytome: deep sequencing analysis of mosquito blood cells in Indian malarial vector Anopheles stephensi. Gene, 2016, 585, 177-190.	2.2	34
30	Molecular identification of Aedes aegypti mosquitoes from Pilani region of Rajasthan, India. Journal of Vector Borne Diseases, 2016, 53, 149-55.	0.4	3
31	Deep sequencing revealed molecular signature of horizontal gene transfer of plant like transcripts inÂthe mosquito Anopheles culicifacies: an evolutionary puzzle. F1000Research, 2015, 4, 1523.	1.6	9
32	Unraveling dual feeding associated molecular complexity of salivary glands in the mosquito Anopheles culicifacies. Biology Open, 2015, 4, 1002-1015.	1.2	32
33	Cross-Talk between Malarial Cysteine Proteases and Falstatin: The BC Loop as a Hot-Spot Target. PLoS ONE, 2014, 9, e93008.	2.5	9
34	Salivary glands harbor more diverse microbial communities than gut in Anopheles culicifacies. Parasites and Vectors, 2014, 7, 235.	2.5	101
35	Transcriptome analysis of Anopheles stephensi embryo using expressed sequence tags. Journal of Biosciences, 2013, 38, 301-309.	1.1	2
36	Structure-Function of Falcipains: Malarial Cysteine Proteases. Journal of Tropical Medicine, 2012, 2012, 1-11.	1.7	34

#	Article	IF	Citations
37	An Epithelial Serine Protease, AgESP, Is Required for Plasmodium Invasion in the Mosquito Anopheles gambiae. PLoS ONE, 2012, 7, e35210.	2.5	20
38	The Ionic and Hydrophobic Interactions Are Required for the Auto Activation of Cysteine Proteases of Plasmodium falciparum. PLoS ONE, 2012, 7, e47227.	2.5	20
39	Parasite Killing in Malaria Non-Vector Mosquito Anopheles culicifacies Species B: Implication of Nitric Oxide Synthase Upregulation. PLoS ONE, 2011, 6, e18400.	2.5	26
40	Salivary gland transcriptome analysis in response to sugar feeding in malaria vector Anopheles stephensi. Journal of Insect Physiology, 2011, 57, 1399-1406.	2.0	30
41	Sequence homology and structural analysis of plasmepsin 4 isolated from Indian Plasmodium vivax isolates. Infection, Genetics and Evolution, 2011, 11, 924-933.	2.3	10
42	Identification of putative innate immune related genes from a cell line of the mosquito Aedes albopictus following bacterial challenge. Innate Immunity, 2011, 17, 106-117.	2.4	4
43	Hemocyte Differentiation Mediates Innate Immune Memory in Anopheles gambiae Mosquitoes. Science, 2010, 329, 1353-1355.	12.6	395
44	The STAT Pathway Mediates Late-Phase Immunity against Plasmodium in the Mosquito Anopheles gambiae. Cell Host and Microbe, 2009, 5, 498-507.	11.0	157
45	Salivary gland transcriptome analysis during Plasmodium infection in malaria vector Anopheles stephensi. International Journal of Infectious Diseases, 2009, 13, 636-646.	3.3	34
46	Molecular and phylogenetic analysis of a novel family of fibrinogen-related proteins from mosquito Aedes albopictus cell line. Computational Biology and Chemistry, 2008, 32, 382-386.	2.3	9
47	Molecular and phylogenetic analysis of a novel salivary defensin cDNA from malaria vector Anopheles stephensi. Acta Tropica, 2008, 106, 75-79.	2.0	13
48	Partial genomic organization of ribosomal protein S7 gene from malaria vector Anopheles stephensi. Insect Science, 2007, 14, 101-106.	3.0	1
49	Identification and characterization of a new putative c-type lysozyme from malaria vector Anopheles stephensi. Indian Journal of Biochemistry and Biophysics, 2006, 43, 15-9.	0.0	2
50	Protein-Protein Interactions in Malaria: Emerging Arena for Future Chemotherapeutics. , 0, , .		0
51	Molecular Dynamics of Mosquito-Plasmodium vivaxInteraction: A Smart Strategy of Parasitism. , 0, , .		1