

Debopam Chakrabarti

List of Publications by Year in descending order

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70
papers

3,340
citations

126907

33
h-index

149698

56
g-index

70
all docs

70
docs citations

70
times ranked

3195
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for the shikimate pathway in apicomplexan parasites. <i>Nature</i> , 1998, 393, 801-805.	27.8	436
2	Protein Farnesyltransferase Inhibitors Exhibit Potent Antimalarial Activity. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3704-3713.	6.4	170
3	Global Analysis of Protein Expression and Phosphorylation of Three Stages of <i>Plasmodium falciparum</i> Intraerythrocytic Development. <i>Journal of Proteome Research</i> , 2013, 12, 4028-4045.	3.7	161
4	Chloroplast-derived vaccine antigens confer dual immunity against cholera and malaria by oral or injectable delivery. <i>Plant Biotechnology Journal</i> , 2010, 8, 223-242.	8.3	153
5	Co-ordinated programme of gene expression during asexual intraerythrocytic development of the human malaria parasite <i>Plasmodium falciparum</i> revealed by microarray analysis. <i>Molecular Microbiology</i> , 2001, 39, 26-36.	2.5	148
6	Protein Farnesyltransferase and Protein Prenylation in <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 42066-42073.	3.4	131
7	Protein prenyl transferase activities of <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 1998, 94, 175-184.	1.1	107
8	Analysis of expressed sequence tags from <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 1994, 66, 97-104.	1.1	91
9	Activation of a <i>Plasmodium falciparum</i> cdc2-related Kinase by Heterologous p25 and Cyclin H. <i>Journal of Biological Chemistry</i> , 2000, 275, 8952-8958.	3.4	91
10	PfPK7, an atypical MEK-related protein kinase, reflects the absence of classical three-component MAPK pathways in the human malaria parasite <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2004, 55, 184-186.	2.5	88
11	Sequence microheterogeneity of the three small subunit ribosomal RNA genes of <i>Babesia bigemina</i> : expression in erythrocyte culture. <i>Nucleic Acids Research</i> , 1991, 19, 3641-3645.	14.5	71
12	Cyclin-dependent kinase homologues of <i>Plasmodium falciparum</i> . <i>International Journal for Parasitology</i> , 2002, 32, 1575-1585.	3.1	71
13	Identification and Initial Characterization of Three Novel Cyclin-related Proteins of the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 39839-39850.	3.4	69
14	Identification of a family of Rab G-proteins in <i>Plasmodium falciparum</i> and a detailed characterisation of pfrab6. <i>Molecular and Biochemical Parasitology</i> , 1996, 80, 77-88.	1.1	68
15	Resistance to a Protein Farnesyltransferase Inhibitor in <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 13554-13559.	3.4	66
16	Second Generation Tetrahydroquinoline-Based Protein Farnesyltransferase Inhibitors as Antimalarials. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4585-4605.	6.4	66
17	Characterization of protein Ser/Thr phosphatases of the malaria parasite, <i>Plasmodium falciparum</i> : inhibition of the parasitic calcineurin by cyclophilin-cyclosporin complex. <i>Molecular and Biochemical Parasitology</i> , 1999, 99, 167-181.	1.1	64
18	Characterization of an Eukaryotic Peptide Deformylase from <i>Plasmodium falciparum</i> . <i>Archives of Biochemistry and Biophysics</i> , 2001, 396, 162-170.	3.0	63

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19	Current status of the Plasmodium falciparum genome project. <i>Molecular and Biochemical Parasitology</i> , 1996, 79, 1-12.	1.1	55
20	2-Oxo-tetrahydro-1,8-naphthyridines as selective inhibitors of malarial protein farnesyltransferase and as anti-malarials. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 494-497.	2.2	52
21	Antimalarial Activities of Polyhydroxyphenyl and Hydroxamic Acid Derivatives. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2456-2458.	3.2	48
22	Identification, Cloning, and Mutational Analysis of the Casein Kinase 1 cDNA of the Malaria Parasite, Plasmodium falciparum. <i>Journal of Biological Chemistry</i> , 1997, 272, 26132-26138.	3.4	47
23	Molecular machinery of signal transduction and cell cycle regulation in Plasmodium. <i>Molecular and Biochemical Parasitology</i> , 2009, 165, 1-7.	1.1	47
24	DeepMalaria: Artificial Intelligence Driven Discovery of Potent Antiplasmodials. <i>Frontiers in Pharmacology</i> , 2019, 10, 1526.	3.5	47
25	In vitro and in vivo antimalarial activity of peptidomimetic protein farnesyltransferase inhibitors with improved membrane permeability. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 6517-6526.	3.0	45
26	Characterization of the rDNA unit and sequence analysis of the small subunit rRNA and 5.8S rRNA genes from Tritrichomonas foetus. <i>Molecular and Biochemical Parasitology</i> , 1992, 52, 75-83.	1.1	43
27	Efficacy, Pharmacokinetics, and Metabolism of Tetrahydroquinoline Inhibitors of Plasmodium falciparum Protein Farnesyltransferase. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3659-3671.	3.2	40
28	Identification of Plasmodium falciparum family of SNAREs. <i>Molecular and Biochemical Parasitology</i> , 2007, 152, 113-122.	1.1	40
29	Plasmodium falciparum NIMA-related kinase Pfnek-1: sex specificity and assessment of essentiality for the erythrocytic asexual cycle. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2785-2794.	1.8	38
30	Structurally Simple Farnesyltransferase Inhibitors Arrest the Growth of Malaria Parasites. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4903-4906.	13.8	37
31	Characterization of a PRL protein tyrosine phosphatase from Plasmodium falciparum. <i>Molecular and Biochemical Parasitology</i> , 2008, 158, 1-10.	1.1	37
32	Structurally Simple, Potent, Plasmodium Selective Farnesyltransferase Inhibitors That Arrest the Growth of Malaria Parasites. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5710-5727.	6.4	36
33	A Plasmodium falciparum Transcriptional Cyclin-Dependent Kinase-Related Kinase with a Crucial Role in Parasite Proliferation Associates with Histone Deacetylase Activity. <i>Eukaryotic Cell</i> , 2010, 9, 952-959.	3.4	36
34	4-Nitro styrylquinoline is an antimalarial inhibiting multiple stages of Plasmodium falciparum asexual life cycle. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2017, 7, 120-129.	3.4	35
35	Ubiquitin proteasome system and the atypical kinase PfPK7 are involved in melatonin signaling in Plasmodium falciparum. <i>Journal of Pineal Research</i> , 2012, 53, 147-153.	7.4	34
36	Potent, Plasmodium-Selective Farnesyltransferase Inhibitors That Arrest the Growth of Malaria Parasites: Structure-Activity Relationships of Ethylenediamine-Analogue Scaffolds and Homology Model Validation. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5176-5197.	6.4	33

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37	Detection of a functional promoter/enhancer in an intron-less human gene encoding a glutamine synthetase-like enzyme. <i>Gene</i> , 1995, 153, 163-169.	2.2	31
38	Functional characterisation of the regulatory subunit of cyclic AMP-dependent protein kinase A homologue of <i>Giardia lamblia</i> : Differential expression of the regulatory and catalytic subunits during encystation. <i>International Journal for Parasitology</i> , 2006, 36, 791-799.	3.1	26
39	The Bis(Indolyl)imidazole Alkaloid Nortopsentin A Exhibits Antiplasmodial Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2362-2364.	3.2	26
40	An atypical cyclin-dependent kinase controls <i>Plasmodium falciparum</i> proliferation rate. <i>Kinome</i> , 2013, 1, .	0.5	25
41	Drarmacidin G, a Bioactive Bis-Indole Alkaloid from a Deep-Water Sponge of the Genus <i>Spongosorites</i> . <i>Marine Drugs</i> , 2017, 15, 16.	4.6	25
42	Characterization of <i>Plasmodium falciparum</i> Atypical Kinase PfPK7â€“ Dependent Phosphoproteome. <i>Journal of Proteome Research</i> , 2018, 17, 2112-2123.	3.7	24
43	Molecular characterization and expression of an alternate proliferating cell nuclear antigen homologue, PfPCNA2, in <i>Plasmodium falciparum</i> . <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 371-376.	2.1	23
44	Characterization of a novel serine/threonine protein phosphatase (PfPPJ) from the malaria parasite, <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2001, 115, 29-39.	1.1	22
45	Characterization of a unique aspartate-rich protein of the SET/TAF-family in the human malaria parasite, <i>Plasmodium falciparum</i> , which inhibits protein phosphatase 2A. <i>Molecular and Biochemical Parasitology</i> , 2003, 126, 239-250.	1.1	20
46	Evidence for prenylation-dependent targeting of a Ykt6 SNARE in <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2011, 175, 162-168.	1.1	20
47	Re-Engineering of Yohimbineâ€™s Biological Activity through Ring Distortion: Identification and Structureâ€“Activity Relationships of a New Class of Antiplasmodial Agents. <i>ACS Infectious Diseases</i> , 2020, 6, 159-167.	3.8	20
48	Spirocyclic chromanes exhibit antiplasmodial activities and inhibit all intraerythrocytic life cycle stages. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2016, 6, 85-92.	3.4	18
49	Microwave-assisted, rapid synthesis of 2-vinylquinolines and evaluation of their antimalarial activity. <i>Tetrahedron Letters</i> , 2019, 60, 1736-1740.	1.4	18
50	<i>Plasmodium falciparum</i> :The Small GTPase rab11. <i>Experimental Parasitology</i> , 1996, 83, 250-251.	1.2	17
51	Pre-replication complex organization in the atypical DNA replication cycle of <i>Plasmodium falciparum</i> : Characterization of the mini-chromosome maintenance (MCM) complex formation. <i>Molecular and Biochemical Parasitology</i> , 2006, 145, 50-59.	1.1	16
52	Two <i>Plasmodium falciparum</i> Ribonucleotide Reductase Small Subunits, PfR2 and PfR4, Interact with Each Other and are Components of the in vivo Enzyme Complex. <i>Journal of Molecular Biology</i> , 2005, 347, 749-758.	4.2	15
53	Melatonin-Induced Temporal Up-Regulation of Gene Expression Related to Ubiquitin/Proteasome System (UPS) in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>International Journal of Molecular Sciences</i> , 2014, 15, 22320-22330.	4.1	15
54	Leveraging Peptaibol Biosynthetic Promiscuity for Next-Generation Antiplasmodial Therapeutics. <i>Journal of Natural Products</i> , 2021, 84, 503-517.	3.0	15

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55	Cyclic Tetrapeptide HDAC Inhibitors with Improved <i>Plasmodium falciparum</i> Selectivity and Killing Profile. <i>ACS Infectious Diseases</i> , 2021, 7, 2889-2903.	3.8	11
56	Shikimate pathway in apicomplexan parasites. <i>Nature</i> , 1999, 397, 220-220.	27.8	10
57	Discovery of fast-acting dual-stage antimalarial agents by profiling pyridylvinylquinoline chemical space via copper catalyzed azide-alkyne cycloadditions. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112889.	5.5	10
58	Antiplasmodial Compounds from Deep-Water Marine Invertebrates. <i>Marine Drugs</i> , 2021, 19, 179.	4.6	10
59	An RCC1-type guanidine exchange factor for the Ran G protein is found in the <i>Plasmodium falciparum</i> nucleus. <i>Molecular and Biochemical Parasitology</i> , 1998, 95, 165-170.	1.1	9
60	The Longin Domain Regulates the Steady-State Dynamics of Sec22 in <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2009, 8, 1330-1340.	3.4	9
61	Identification of Bis-Cyclic Guanidines as Antiplasmodial Compounds from Positional Scanning Mixture-Based Libraries. <i>Molecules</i> , 2019, 24, 1100.	3.8	7
62	Synthesis, Structure-Activity Relationship, and Antimalarial Efficacy of 6-Chloro-2-arylvinylquinolines. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11756-11785.	6.4	7
63	Marine Microbiome as a Source of Antimalarials. <i>Tropical Medicine and Infectious Disease</i> , 2019, 4, 103.	2.3	5
64	Mechanism of peptide chain initiation in animal cells: A reevaluation. <i>Molecular and Cellular Biochemistry</i> , 1986, 70, 105-11.	3.1	4
65	Protein synthesis in rabbit reticulocytes: Mg ²⁺ - inhibition of ternary complex (met-tRNA ^f -eIF-2-GTP) formation by reticulocyte eIF-2. <i>Biochemical and Biophysical Research Communications</i> , 1987, 146, 114-120.	2.1	4
66	Ring Distortion of Vincamine Leads to the Identification of Re-Engineered Antiplasmodial Agents. <i>ACS Omega</i> , 2021, 6, 20455-20470.	3.5	4
67	Mechanism of protein synthesis inhibition by vaccinia viral core and reversal of this inhibition by reticulocyte peptide chain initiation factors. <i>Journal of Biosciences</i> , 1987, 11, 503-513.	1.1	3
68	A methods-based biotechnology course for undergraduates. <i>Biochemistry and Molecular Biology Education</i> , 2009, 37, 227-231.	1.2	3
69	Spatially resolved micro-absorption spectroscopy with a broadband source and confocal detection. <i>Optics Communications</i> , 2015, 355, 533-537.	2.1	2
70	Structure-activity and structure-property relationship studies of spirocyclic chromanes with antimalarial activity. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 57, 116629.	3.0	2