

Dhanasekaran Shanmugam

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,983
citations

471509

17
h-index

345221

36
g-index

43
all docs

43
docs citations

43
times ranked

3998
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of domestication on specialized metabolic pathways in fruit crops. <i>Planta</i> , 2021, 253, 61.	3.2	4
2	Synthesis and Biological Evaluation of Hoshionolactam-Based Compounds. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2212-2218.	2.4	2
3	Insights from a Pan India Sero-Epidemiological survey (Phenome-India Cohort) for SARS-CoV2. <i>ELife</i> , 2021, 10, .	6.0	21
4	Chronic systemic exposure to IL6 leads to deregulation of glycolysis and fat accumulation in the zebrafish liver. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158905.	2.4	10
5	Conserved RNA Binding Activity of Phosphatidyl Inositol 5-Phosphate 4-Kinase (PIP4K2A). <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 631281.	3.5	2
6	Antitumor Effects of Ir(III)-2 <i>H</i> -Indazole Complexes for Triple Negative Breast Cancer. <i>Inorganic Chemistry</i> , 2021, 60, 17593-17607.	4.0	23
7	TDR Targets 6: driving drug discovery for human pathogens through intensive chemogenomic data integration. <i>Nucleic Acids Research</i> , 2020, 48, D992-D1005.	14.5	26
8	Whole-Cell Phenotypic Screening of Medicines for Malaria Venture Pathogen Box Identifies Specific Inhibitors of <i>Plasmodium falciparum</i> Late-Stage Development and Egress. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	10
9	Distinct metabolic states of a cell guide alternate fates of mutational buffering through altered proteostasis. <i>Nature Communications</i> , 2020, 11, 2926.	12.8	10
10	Approach to nigericin derivatives and their therapeutic potential. <i>RSC Advances</i> , 2020, 10, 43085-43091.	3.6	5
11	Structural insights into the unique inhibitory mechanism of Kunitz type trypsin inhibitor from <i>Cicer arietinum</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 2669-2677.	3.5	15
12	Mitochondrial cytochrome oxidase C subunit III (cox3) gene as a sensitive and specific target for molecular detection of <i>Babesia gibsoni</i> infection in dogs. <i>Experimental Parasitology</i> , 2019, 206, 107771.	1.2	2
13	Demystifying a hexuronic acid ligand that recognizes <i>Toxoplasma gondii</i> and blocks its invasion into host cells. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4535-4542.	2.8	3
14	Efforts To Access the Potent Antitrypanosomal Marine Natural Product Janadolide: Synthesis of Des-tert-butyl Janadolide and Its Biological Evaluation. <i>ACS Omega</i> , 2018, 3, 2383-2389.	3.5	7
15	Targeted Phenotypic Screening in <i>Plasmodium falciparum</i> and <i>Toxoplasma gondii</i> Reveals Novel Modes of Action of Medicines for Malaria Venture Malaria Box Molecules. <i>MSphere</i> , 2018, 3, .	2.9	30
16	Evaluating antimalarial efficacy by tracking glycolysis in <i>Plasmodium falciparum</i> using NMR spectroscopy. <i>Scientific Reports</i> , 2018, 8, 18076.	3.3	12
17	CSGID Solves Structures and Identifies Phenotypes for Five Enzymes in <i>Toxoplasma gondii</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 352.	3.9	14
18	Glycolysis is important for optimal asexual growth and formation of mature tissue cysts by <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2018, 48, 955-968.	3.1	45

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19	Specific Stereoisomeric Conformations Determine the Drug Potency of Cladosporin Scaffold against Malarial Parasite. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5664-5678.	6.4	41
20	Highly diverged novel subunit composition of apicomplexan F-type ATP synthase identified from <i>Toxoplasma gondii</i> . <i>PLoS Biology</i> , 2018, 16, e2006128.	5.6	45
21	Chromerid genomes reveal the evolutionary path from photosynthetic algae to obligate intracellular parasites. <i>ELife</i> , 2015, 4, e06974.	6.0	198
22	Investigation of phosphoproteome in RAGE signaling. <i>Proteomics</i> , 2015, 15, 245-259.	2.2	16
23	Iron superoxide dismutases in eukaryotic pathogens: new insights from Apicomplexa and Trypanosoma structures. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 615-621.	0.8	18
24	<i>Leucas mollissima</i> , a Source of Bioactive Compounds with Antimalarial and Antimycobacterium Activities. <i>Planta Medica Letters</i> , 2015, 2, e35-e38.	0.2	3
25	Comparative Genomics of the Apicomplexan Parasites <i>Toxoplasma gondii</i> and <i>Neospora caninum</i> : Coccidia Differing in Host Range and Transmission Strategy. <i>PLoS Pathogens</i> , 2012, 8, e1002567.	4.7	206
26	TDR Targets: a chemogenomics resource for neglected diseases. <i>Nucleic Acids Research</i> , 2012, 40, D1118-D1127.	14.5	109
27	Comparative genomics of the pathogenic ciliate <i>Ichthyophthirius multifiliis</i> , its free-living relatives and a host species provide insights into adoption of a parasitic lifestyle and prospects for disease control. <i>Genome Biology</i> , 2011, 12, R100.	9.6	102
28	Using OrthoMCL to Assign Proteins to OrthoMCL-DB Groups or to Cluster Proteomes Into New Ortholog Groups. <i>Current Protocols in Bioinformatics</i> , 2011, 35, Unit 6.12.1-19.	25.8	397
29	The search for the missing link: A relic plastid in <i>Perkinsus</i> ?. <i>International Journal for Parasitology</i> , 2011, 41, 1217-1229.	3.1	63
30	Crystal Structure of <i>Toxoplasma gondii</i> Porphobilinogen Synthase. <i>Journal of Biological Chemistry</i> , 2011, 286, 15298-15307.	3.4	21
31	Designing and implementing chemoinformatic approaches in TDR Targets Database: linking genes to chemical compounds in tropical disease causing pathogens. <i>BMC Bioinformatics</i> , 2010, 11, .	2.6	1
32	A novel multifunctional oligonucleotide microarray for <i>Toxoplasma gondii</i> . <i>BMC Genomics</i> , 2010, 11, 603.	2.8	57
33	Plastid-associated Porphobilinogen Synthase from <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 22122-22131.	3.4	30
34	Identification of Attractive Drug Targets in Neglected-Disease Pathogens Using an In Silico Approach. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e804.	3.0	141
35	Genomic-scale prioritization of drug targets: the TDR Targets database. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 900-907.	46.4	282