

Jan Strauss

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

976
citations

932766

10
h-index

996533

15
g-index

20
all docs

20
docs citations

20
times ranked

1943
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of temperature on marine phytoplankton resource allocation and metabolism. <i>Nature Climate Change</i> , 2013, 3, 979-984.	8.1	358
2	Evolutionary genomics of the cold-adapted diatom <i>Fragilariopsis cylindrus</i> . <i>Nature</i> , 2017, 541, 536-540.	13.7	332
3	Structure of Prototypic Peptide Transporter DtpA from <i>E. coli</i> in Complex with Valganciclovir Provides Insights into Drug Binding of Human PepT1. <i>Journal of the American Chemical Society</i> , 2019, 141, 2404-2412.	6.6	51
4	Dissecting the Gene Expression, Localization, Membrane Topology, and Function of the <i>Plasmodium falciparum</i> STEVOR Protein Family. <i>MBio</i> , 2019, 10, .	1.8	46
5	Identifying metabolic pathways for production of extracellular polymeric substances by the diatom <i>Fragilariopsis cylindrus</i> inhabiting sea ice. <i>ISME Journal</i> , 2018, 12, 1237-1251.	4.4	43
6	Structure-Based Identification and Functional Characterization of a Lipocalin in the Malaria Parasite <i>Plasmodium falciparum</i> . <i>Cell Reports</i> , 2020, 31, 107817.	2.9	23
7	Structural Insights Into PfARO and Characterization of its Interaction With PfAIP. <i>Journal of Molecular Biology</i> , 2020, 432, 878-896.	2.0	21
8	Common virulence gene expression in adult first-time infected malaria patients and severe cases. <i>ELife</i> , 2021, 10, .	2.8	20
9	Identification of novel inner membrane complex and apical annuli proteins of the malaria parasite <i>Plasmodium falciparum</i> . <i>Cellular Microbiology</i> , 2021, 23, e13341.	1.1	19
10	Building a locally diploid genome and transcriptome of the diatom <i>Fragilariopsis cylindrus</i> . <i>Scientific Data</i> , 2017, 4, 170149.	2.4	14
11	The role of zinc in the adaptive evolution of polar phytoplankton. <i>Nature Ecology and Evolution</i> , 2022, 6, 965-978.	3.4	14
12	Characterization of Apicomplexan Amino Acid Transporters (ApiATs) in the Malaria Parasite <i>Plasmodium falciparum</i> . <i>MSphere</i> , 2021, 6, e0074321.	1.3	9
13	Genome-Scale Metabolic Reconstruction and in Silico Perturbation Analysis of the Polar Diatom <i>Fragilariopsis cylindrus</i> Predicts High Metabolic Robustness. <i>Biology</i> , 2020, 9, 30.	1.3	8
14	Cell biological analysis reveals an essential role for Pfcerli2 in erythrocyte invasion by malaria parasites. <i>Communications Biology</i> , 2022, 5, 121.	2.0	7
15	PMRT1, a <i>Plasmodium</i> -Specific Parasite Plasma Membrane Transporter, Is Essential for Asexual and Sexual Blood Stage Development. <i>MBio</i> , 2022, 13, e0062322.	1.8	7