Claudia Elizabeth Thompson

List of Publications by Year
in descending order

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40 papers	929 citations	430874 18 h-index	501196 28 g-index
48 all docs	48 docs citations	48 times ranked	1761 citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular evolution and structural analyses of the spike glycoprotein from Brazilian SARS-CoV-2 genomes: the impact of selected mutations. Journal of Biomolecular Structure and Dynamics, 2023, 41, 3110-3128.	3.5	1
2	Metagenomic Analysis: A Pathway Toward Efficiency Using High-Performance Computing. Lecture Notes in Networks and Systems, 2022, , 555-565.	0.7	0
3	Comparative Genomics and Characterization of SARS-CoV-2 P.1 (Gamma) Variant of Concern From Amazonas, Brazil. Frontiers in Medicine, 2022, 9, 806611.	2.6	10
4	Populationâ€•based prevalence surveys during the Covidâ€•19 pandemic: A systematic review. Reviews in Medical Virology, 2021, 31, e2200.	8.3	33
5	Acute kidney injury associated with rhabdomyolysis in a patient with COVID-19. Jornal Brasileiro De Nefrologia: Orgao Oficial De Sociedades Brasileira E Latino-Americana De Nefrologia, 2021, , .	0.9	0
6	Genomic epidemiology of SARS-CoV-2 in Esteio, Rio Grande do Sul, Brazil. BMC Genomics, 2021, 22, 371.	2.8	22
7	Predominance of the SARS-CoV-2 Lineage P.1 and Its Sublineage P.1.2 in Patients from the Metropolitan Region of Porto Alegre, Southern Brazil in March 2021. Pathogens, 2021, 10, 988.	2.8	11
8	E484K as an innovative phylogenetic event for viral evolution: Genomic analysis of the E484K spike mutation in SARS-CoV-2 lineages from Brazil. Infection, Genetics and Evolution, 2021, 93, 104941.	2.3	58
9	Mutation hotspots and spatiotemporal distribution of SARS-CoV-2 lineages in Brazil, February 2020-2021. Virus Research, 2021, 304, 198532.	2.2	15
10	Increased LPS levels coexist with systemic inflammation and result in monocyte activation in severe COVID-19 patients. International Immunopharmacology, 2021, 100, 108125.	3.8	40
11	Computational studies of polyurethanases from Pseudomonas. Journal of Molecular Modeling, 2021, 27, 46.	1.8	4
12	Cestode strobilation: predictionÂof developmental genes and pathways. BMC Genomics, 2020, 21, 487.	2.8	5
13	Polyurethanases: Three-dimensional structures and molecular dynamics simulations of enzymes that degrade polyurethane. Journal of Molecular Graphics and Modelling, 2019, 89, 82-95.	2.4	23
14	Molecular evolution of Pr1 proteases depicts ongoing diversification in Metarhizium spp. Molecular Genetics and Genomics, 2019, 294, 901-917.	2.1	8
15	First detection of bovine papillomavirus type 2 in cutaneous wart lesions from ovines. Transboundary and Emerging Diseases, 2018, 65, 939-943.	3.0	9
16	Molecular evolution and transcriptional profile of GH3 and GH20 Î²-N-acetylglucosaminidases in the entomopathogenic fungus Metarhizium anisopliae. Genetics and Molecular Biology, 2018, 41, 843-857.	1.3	7
17	Prion protein conversion triggered by acidic condition: a molecular dynamics study through different force fields. Journal of Computational Chemistry, 2018, 39, 2000-2011.	3.3	6
18	Molecular evolution and functional divergence of alcohol dehydrogenases in animals, fungi and plants. Genetics and Molecular Biology, 2018, 41, 341-354.	1.3	16

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19	Comparative metagenomics reveals different hydrocarbon degradative abilities from enriched oil-drilling waste. Chemosphere, 2018, 209, 7-16.	8.2	22
20	Evolution and function of the Mycoplasma hyopneumoniae peroxiredoxin, a 2-Cys-like enzyme with a single Cys residue. Molecular Genetics and Genomics, 2017, 292, 297-305.	2.1	3
21	Genome-Wide Analysis of Secondary Metabolite Gene Clusters in Ophiostoma ulmi and Ophiostoma novo-ulmi Reveals a Fujikurin-Like Gene Cluster with a Putative Role in Infection. Frontiers in Microbiology, 2017, 8, 1063.	3.5	22
22	Contribution of WUSCHEL-related homeobox (WOX) genes to identify the phylogenetic relationships among Petunia species. Genetics and Molecular Biology, 2016, 39, 658-664.	1.3	11
23	Molecular evolution analysis of WUSCHEL-related homeobox transcription factor family reveals functional divergence among clades in the homeobox region. Development Genes and Evolution, 2016, 226, 259-268.	0.9	10
24	Bos taurus papillomavirus (BPV) E6 protein: Sequence analysis and molecular evolution. Veterinary Microbiology, 2015, 181, 328-333.	1.9	0
25	Diversification and distinctive structural features of S-RNase alleles in the genus Solanum. Molecular Genetics and Genomics, 2015, 290, 987-1002.	2.1	13
26	Genomic Analyses and Transcriptional Profiles of the Glycoside Hydrolase Family 18 Genes of the Entomopathogenic Fungus Metarhizium anisopliae. PLoS ONE, 2014, 9, e107864.	2.5	28
27	Comparative genome analysis of entomopathogenic fungi reveals a complex set of secreted proteins. BMC Genomics, 2014, 15, 822.	2.8	49
28	Genome of the Avirulent Human-Infective Trypanosomeâ€"Trypanosoma rangeli. PLoS Neglected Tropical Diseases, 2014, 8, e3176.	3.0	72
29	Taxonomic and functional profiles of soil samples from Atlantic forest and Caatinga biomes in northeastern Brazil. MicrobiologyOpen, 2014, 3, 299-315.	3.0	48
30	New insights on the biology of swine respiratory tract mycoplasmas from a comparative genome analysis. BMC Genomics, 2013, 14, 175.	2.8	63
31	Expression and<i>In Silico</i>Analysis of the Recombinant Bovine Papillomavirus E6 Protein as a Model for Viral Oncoproteins Studies. BioMed Research International, 2013, 2013, 1-9.	1.9	8
32	A potential source for cellulolytic enzyme discovery and environmental aspects revealed through metagenomics of Brazilian mangroves. AMB Express, 2013, 3, 65.	3.0	40
33	Predicting the Proteins of Angomonas deanei, Strigomonas culicis and Their Respective Endosymbionts Reveals New Aspects of the Trypanosomatidae Family. PLoS ONE, 2013, 8, e60209.	2.5	55
34	Metagenomic Analysis of the Microbiota from the Crop of an Invasive Snail Reveals a Rich Reservoir of Novel Genes. PLoS ONE, 2012, 7, e48505.	2.5	62
35	Crystal structure determination and dynamic studies of Mycobacterium tuberculosis Cytidine deaminase in complex with products. Archives of Biochemistry and Biophysics, 2011, 509, 108-115.	3.0	6
36	Evaluation of the impact of functional diversification on Poaceae, Brassicaceae, Fabaceae, and Pinaceae alcohol dehydrogenase enzymes. Journal of Molecular Modeling, 2010, 16, 919-928.	1.8	25

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37	Sequence and structural aspects of the functional diversification of plant alcohol dehydrogenases. Gene, 2007, 396, 108-115.	2.2	23
38	Molecular Modeling of Pathogenesis-Related Proteins of Family 5. Cell Biochemistry and Biophysics, 2006, 44, 385-394.	1.8	18
39	Patterns of molecular evolution in pathogenesis-related proteins. Genetics and Molecular Biology, 2005, 28, 645-653.	1.3	20
40	Efficacy of Proxalutamide (GT0918) in Hospitalized COVID-19 Patients. SSRN Electronic Journal, 0, , .	0.4	0