

Ling Deng

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,641
citations

361413
20
h-index

501196
28
g-index

36
all docs

36
docs citations

36
times ranked

1117
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel interference mechanism by a type III-B CRISPR-Cmr module in <i>Sulfolobus</i> . <i>Molecular Microbiology</i> , 2013, 87, 1088-1099.	2.5	224
2	Dynamic properties of the <i>Sulfolobus</i> CRISPR/Cas and CRISPR/Cmr systems when challenged with vector-borne viral and plasmid genes and protospacers. <i>Molecular Microbiology</i> , 2011, 79, 35-49.	2.5	205
3	Unmarked gene deletion and host-vector system for the hyperthermophilic crenarchaeon <i>Sulfolobus islandicus</i> . <i>Extremophiles</i> , 2009, 13, 735-746.	2.3	189
4	A Synthetic Arabinose-Inducible Promoter Confers High Levels of Recombinant Protein Expression in Hyperthermophilic Archaeon <i>Sulfolobus islandicus</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 5630-5637.	3.1	111
5	Modulation of CRISPR locus transcription by the repeat-binding protein Cbp1 in <i>Sulfolobus</i> . <i>Nucleic Acids Research</i> , 2012, 40, 2470-2480.	14.5	70
6	A type III-B CRISPR-Cas effector complex mediating massive target DNA destruction. <i>Nucleic Acids Research</i> , 2017, 45, gkw1274.	14.5	67
7	Bacteriophage-mediated manipulation of the gut microbiome promises and presents limitations. <i>FEMS Microbiology Reviews</i> , 2020, 44, 507-521.	8.6	65
8	CRISPR-based immune systems of the Sulfolobales: complexity and diversity. <i>Biochemical Society Transactions</i> , 2011, 39, 51-57.	3.4	64
9	Fecal filtrate transplantation protects against necrotizing enterocolitis. <i>ISME Journal</i> , 2022, 16, 686-694.	9.8	63
10	Virulent coliphages in 1-year-old children fecal samples are fewer, but more infectious than temperate coliphages. <i>Nature Communications</i> , 2020, 11, 378.	12.8	59
11	Revealing the essentiality of multiple archaeal pcna genes using a mutant propagation assay based on an improved knockout method. <i>Microbiology (United Kingdom)</i> , 2010, 156, 3386-3397.	1.8	58
12	Genetic analyses in the hyperthermophilic archaeon <i>Sulfolobus islandicus</i> . <i>Biochemical Society Transactions</i> , 2009, 37, 92-96.	3.4	55
13	Novel insights into gene regulation of the rudivirus SIRV2 infecting <i>Sulfolobus</i> cells. <i>RNA Biology</i> , 2013, 10, 875-885.	3.1	43
14	Genome binning of viral entities from bulk metagenomics data. <i>Nature Communications</i> , 2022, 13, 965.	12.8	41
15	CRISPR-Cas Adaptive Immune Systems of the Sulfolobales: Unravelling Their Complexity and Diversity. <i>Life</i> , 2015, 5, 783-817.	2.4	39
16	A novel single-tailed fusiform <i>Sulfolobus</i> virus STSV2 infecting model <i>Sulfolobus</i> species. <i>Extremophiles</i> , 2014, 18, 51-60.	2.3	38
17	Characterization of the Vaginal DNA Virome in Health and Dysbiosis. <i>Viruses</i> , 2020, 12, 1143.	3.3	36
18	A Protocol for Extraction of Infective Viromes Suitable for Metagenomics Sequencing from Low Volume Fecal Samples. <i>Viruses</i> , 2019, 11, 667.	3.3	32

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19	Unveiling Cell Surface and Type IV Secretion Proteins Responsible for Archaeal Rudivirus Entry. <i>Journal of Virology</i> , 2014, 88, 10264-10268.	3.4	31
20	Formation of a Viral Replication Focus in <i>Sulfolobus</i> Cells Infected by the Rudivirus <i>Sulfolobus islandicus</i> Rod-Shaped Virus 2. <i>Journal of Virology</i> , 2017, 91, .	3.4	26
21	A seed motif for target RNA capture enables efficient immune defence by a type III-B CRISPR-Cas system. <i>RNA Biology</i> , 2019, 16, 1166-1178.	3.1	18
22	Major and minor crRNA annealing sites facilitate low stringency DNA protospacer binding prior to Type I-A CRISPR-Cas interference in <i>Sulfolobus</i> . <i>RNA Biology</i> , 2016, 13, 1166-1173.	3.1	15
23	Oral LPS Dosing Induces Local Immunological Changes in the Pancreatic Lymph Nodes in Mice. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-9.	2.3	15
24	Deletion of the topoisomerase III gene in the hyperthermophilic archaeon <i>Sulfolobus islandicus</i> results in slow growth and defects in cell cycle control. <i>Journal of Genetics and Genomics</i> , 2011, 38, 253-259.	3.9	14
25	Enteral broad-spectrum antibiotics antagonize the effect of fecal microbiota transplantation in preterm pigs. <i>Gut Microbes</i> , 2021, 13, 1-16.	9.8	14
26	Cost-effective production of <i>Bacillus licheniformis</i> using simple netting bag solid bioreactor. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 2859-2863.	3.6	13
27	Extraction and Purification of Viruses from Fecal Samples for Metagenome and Morphology Analyses. <i>Methods in Molecular Biology</i> , 2018, 1838, 49-57.	0.9	4
28	Effect of gluten-free diet and antibiotics on murine gut microbiota and immune response to tetanus vaccination. <i>PLoS ONE</i> , 2022, 17, e0266719.	2.5	3