Shiladitya DasSarma

List of Publications by Year
in descending order

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Version: 2024-02-01

24 papers	856 citations	687363 13 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1056 citing authors

#	Article	IF	Citations
1	Genome Sequence of the Early 20th-Century Extreme Halophile Halobacterium sp. Strain NRC-34001. Microbiology Resource Announcements, 2022, 11, e0118121.	0.6	1
2	Double mutations far from the active site affect cold activity in an Antarctic halophilic Î²â€galactosidase. Protein Science, 2022, 31, 677-687.	7.6	3
3	Bioengineering of Halobacterium sp. NRC-1 gas vesicle nanoparticles with GvpC fusion protein produced in E. coli. Applied Microbiology and Biotechnology, 2022, 106, 2043-2052.	3.6	4
4	Genome Sequence and Methylation Pattern of Haloterrigena salifodinae BOL5-1, an Extremely Halophilic Archaeon from a Bolivian Salt Mine. Microbiology Resource Announcements, 2021, 10, .	0.6	4
5	Complete Genome Sequence of an Extremely Halophilic Archaeon from Great Salt Lake, Halobacterium sp. GSL-19. Microbiology Resource Announcements, 2021, 10, e0052021.	0.6	2
6	Complete Genome and Methylome Analysis of the Box-Shaped Halophilic Archaeon Haloarcula sinaiiensis ATCC 33800. Microbiology Resource Announcements, 2021, 10, e0061921.	0.6	2
7	Genome Sequence of Halobacterium sp. Strain BOL4-2, Isolated and Cultured from Salar de Uyuni, Bolivia. Microbiology Resource Announcements, 2021, 10, e0104521.	0.6	2
8	Extremophilic models for astrobiology: haloarchaeal survival strategies and pigments for remote sensing. Extremophiles, 2020, 24, 31-41.	2.3	42
9	16S rRNA Gene Diversity in Ancient Gray and Pink Salt from San SimÃ³n Salt Mines in Tarija, Bolivia. Microbiology Resource Announcements, 2020, 9, .	0.6	3
10	Genome Sequences and Methylation Patterns of Natrinema versiforme BOL5-4 and Natrinema pallidum BOL6-1, Two Extremely Halophilic Archaea from a Bolivian Salt Mine. Microbiology Resource Announcements, 2019, 8, .	0.6	7
11	Genome Sequence and Methylation Patterns of Halorubrum sp. Strain BOL3-1, the First Haloarchaeon Isolated and Cultured from Salar de Uyuni, Bolivia. Microbiology Resource Announcements, 2019, 8, .	0.6	8
12	Survival of microbes in Earth's stratosphere. Current Opinion in Microbiology, 2018, 43, 24-30.	5.1	53
13	Key amino acid residues conferring enhanced enzyme activity at cold temperatures in an Antarctic polyextremophilic Î²-galactosidase. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12530-12535.	7.1	30
14	Bioengineering Novel Floating Nanoparticles for Protein and Drug Delivery. Materials Today: Proceedings, 2016, 3, 206-210.	1.8	2
15	Immunogenicity and protective potential of a Plasmodium spp. enolase peptide displayed on archaeal gas vesicle nanoparticles. Malaria Journal, 2015, 14, 406.	2.3	22
16	Gas Vesicle Nanoparticles for Antigen Display. Vaccines, 2015, 3, 686-702.	4.4	43
17	Halophiles and their enzymes: negativity put to good use. Current Opinion in Microbiology, 2015, 25, 120-126.	5.1	225
18	Bioengineering radioresistance by overproduction of RPA, a mammalian-type single-stranded DNA-binding protein, in a halophilic archaeon. Applied Microbiology and Biotechnology, 2014, 98, 1737-1747.	3.6	21

#	Article	IF	Citations
19	Haloarchaeal gas vesicle nanoparticles displaying Salmonella SopB antigen reduce bacterial burden when administered with live attenuated bacteria. Vaccine, 2014, 32, 4543-4549.	3.8	25
20	An improved genetic system for bioengineering buoyant gas vesicle nanoparticles from Haloarchaea. BMC Biotechnology, 2013, 13, 112.	3.3	27
21	Amino Acid Substitutions in Cold-Adapted Proteins from Halorubrum lacusprofundi, an Extremely Halophilic Microbe from Antarctica. PLoS ONE, 2013, 8, e58587.	2.5	60
22	Function and biotechnology of extremophilic enzymes in low water activity. Aquatic Biosystems, 2012, 8, 4.	1.8	191
23	The information transfer system of halophilic archaea. Plasmid, 2011, 65, 77-101.	1.4	45
24	HaloWeb: the haloarchaeal genomes database. Saline Systems, 2010, 6, 12.	2.0	34