

# Shiladitya DasSarma

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

856  
citations

686830

13  
h-index

610482

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1056  
citing authors

#	ARTICLE	IF	CITATIONS
1	Halophiles and their enzymes: negativity put to good use. <i>Current Opinion in Microbiology</i> , 2015, 25, 120-126.	2.3	225
2	Function and biotechnology of extremophilic enzymes in low water activity. <i>Aquatic Biosystems</i> , 2012, 8, 4.	1.8	191
3	Amino Acid Substitutions in Cold-Adapted Proteins from <i>Halorubrum lacusprofundi</i> , an Extremely Halophilic Microbe from Antarctica. <i>PLoS ONE</i> , 2013, 8, e58587.	1.1	60
4	Survival of microbes in Earth's stratosphere. <i>Current Opinion in Microbiology</i> , 2018, 43, 24-30.	2.3	53
5	The information transfer system of halophilic archaea. <i>Plasmid</i> , 2011, 65, 77-101.	0.4	45
6	Gas Vesicle Nanoparticles for Antigen Display. <i>Vaccines</i> , 2015, 3, 686-702.	2.1	43
7	Extremophilic models for astrobiology: haloarchaeal survival strategies and pigments for remote sensing. <i>Extremophiles</i> , 2020, 24, 31-41.	0.9	42
8	HaloWeb: the haloarchaeal genomes database. <i>Saline Systems</i> , 2010, 6, 12.	2.0	34
9	Key amino acid residues conferring enhanced enzyme activity at cold temperatures in an Antarctic polyextremophilic $\beta$ -galactosidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12530-12535.	3.3	30
10	An improved genetic system for bioengineering buoyant gas vesicle nanoparticles from Haloarchaea. <i>BMC Biotechnology</i> , 2013, 13, 112.	1.7	27
11	Haloarchaeal gas vesicle nanoparticles displaying <i>Salmonella</i> SopB antigen reduce bacterial burden when administered with live attenuated bacteria. <i>Vaccine</i> , 2014, 32, 4543-4549.	1.7	25
12	Immunogenicity and protective potential of a <i>Plasmodium</i> spp. enolase peptide displayed on archaeal gas vesicle nanoparticles. <i>Malaria Journal</i> , 2015, 14, 406.	0.8	22
13	Bioengineering radioresistance by overproduction of RPA, a mammalian-type single-stranded DNA-binding protein, in a halophilic archaeon. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1737-1747.	1.7	21
14	Genome Sequence and Methylation Patterns of <i>Halorubrum</i> sp. Strain BOL3-1, the First Haloarchaeon Isolated and Cultured from Salar de Uyuni, Bolivia. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	8
15	Genome Sequences and Methylation Patterns of <i>Natrinema versiforme</i> BOL5-4 and <i>Natrinema pallidum</i> BOL6-1, Two Extremely Halophilic Archaea from a Bolivian Salt Mine. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	7
16	Genome Sequence and Methylation Pattern of <i>Haloterrigena salifodinae</i> BOL5-1, an Extremely Halophilic Archaeon from a Bolivian Salt Mine. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.3	4
17	Bioengineering of <i>Halobacterium</i> sp. NRC-1 gas vesicle nanoparticles with GvpC fusion protein produced in <i>E. coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2043-2052.	1.7	4
18	16S rRNA Gene Diversity in Ancient Gray and Pink Salt from San Simón Salt Mines in Tarija, Bolivia. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	3

#	ARTICLE	IF	CITATIONS
19	Double mutations far from the active site affect cold activity in an Antarctic halophilic <i>β</i> -galactosidase. <i>Protein Science</i> , 2022, 31, 677-687.	3.1	3
20	Bioengineering Novel Floating Nanoparticles for Protein and Drug Delivery. <i>Materials Today: Proceedings</i> , 2016, 3, 206-210.	0.9	2
21	Complete Genome Sequence of an Extremely Halophilic Archaeon from Great Salt Lake, <i>Halobacterium</i> sp. GSL-19. <i>Microbiology Resource Announcements</i> , 2021, 10, e0052021.	0.3	2
22	Complete Genome and Methylome Analysis of the Box-Shaped Halophilic Archaeon <i>Haloarcula sinaiensis</i> ATCC 33800. <i>Microbiology Resource Announcements</i> , 2021, 10, e0061921.	0.3	2
23	Genome Sequence of <i>Halobacterium</i> sp. Strain BOL4-2, Isolated and Cultured from Salar de Uyuni, Bolivia. <i>Microbiology Resource Announcements</i> , 2021, 10, e0104521.	0.3	2
24	Genome Sequence of the Early 20th-Century Extreme Halophile <i>Halobacterium</i> sp. Strain NRC-34001. <i>Microbiology Resource Announcements</i> , 2022, 11, e0118121.	0.3	1