

Diego de Mendoza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6852024/publications.pdf>

Version: 2024-02-01

17
papers

1,095
citations

623734

14
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1174
citing authors

#	ARTICLE	IF	CITATIONS
1	A <i>Bacillus subtilis</i> Gene Induced by Cold Shock Encodes a Membrane Phospholipid Desaturase. <i>Journal of Bacteriology</i> , 1998, 180, 2194-2200.	2.2	222
2	Structural plasticity and catalysis regulation of a thermosensor histidine kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16185-16190.	7.1	155
3	Temperature Sensing by Membranes. <i>Annual Review of Microbiology</i> , 2014, 68, 101-116.	7.3	140
4	Membrane Thickness Cue for Cold Sensing in a Bacterium. <i>Current Biology</i> , 2010, 20, 1539-1544.	3.9	116
5	Transcriptional Control of the Low-Temperature-Inducible <i>des</i> Gene, Encoding the Δ^5 Desaturase of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1999, 181, 7028-7033.	2.2	80
6	A lipid-mediated conformational switch modulates the thermosensing activity of DesK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3579-3584.	7.1	69
7	A coiled coil switch mediates cold sensing by the thermosensory protein <i>DesK</i> . <i>Molecular Microbiology</i> , 2015, 98, 258-271.	2.5	50
8	Control of membrane lipid homeostasis by lipid-bilayer associated sensors: A mechanism conserved from bacteria to humans. <i>Progress in Lipid Research</i> , 2019, 76, 100996.	11.6	48
9	Signal Sensing and Transduction by Histidine Kinases as Unveiled through Studies on a Temperature Sensor. <i>Accounts of Chemical Research</i> , 2017, 50, 1359-1366.	15.6	46
10	Activation of the bacterial thermosensor DesK involves a serine zipper dimerization motif that is modulated by bilayer thickness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6353-6358.	7.1	44
11	Cerulenin inhibits unsaturated fatty acids synthesis in <i>Bacillus subtilis</i> by modifying the input signal of DesK thermosensor. <i>MicrobiologyOpen</i> , 2014, 3, 213-224.	3.0	29
12	Regulation of <i>Bacillus subtilis</i> DesK thermosensor by lipids. <i>Biochemical Journal</i> , 2013, 451, 269-275.	3.7	27
13	Thermosensing via transmembrane protein-lipid interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1757-1764.	2.6	22
14	Transmembrane Prolines Mediate Signal Sensing and Decoding in <i>Bacillus subtilis</i> DesK Histidine Kinase. <i>MBio</i> , 2019, 10, .	4.1	21
15	The Single Transmembrane Segment of Minimal Sensor DesK Senses Temperature via a Membrane-Thickness Caliper. <i>Journal of Bacteriology</i> , 2016, 198, 2945-2954.	2.2	20
16	Interhelical H-Bonds Modulate the Activity of a Polytopic Transmembrane Kinase. <i>Biomolecules</i> , 2021, 11, 938.	4.0	3
17	A genetic screen for mutations affecting temperature sensing in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2019, 165, 90-101.	1.8	3