

# Nancy I LÃ³pez

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,762  
citations

257450

24  
h-index

276875

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2000  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyhydroxyalkanoates are essential for maintenance of redox state in the Antarctic bacterium <i>Pseudomonas</i> sp. 14-3 during low temperature adaptation. <i>Extremophiles</i> , 2009, 13, 59-66.	2.3	130
2	Reporting Key Features in Cold-Adapted Bacteria. <i>Life</i> , 2018, 8, 8.	2.4	105
3	Solar UV-B decreases decomposition in herbaceous plant litter in Tierra del Fuego, Argentina: potential role of an altered decomposer community. <i>Global Change Biology</i> , 2003, 9, 1465-1474.	9.5	99
4	Antimicrobial activity and surface bacterial film in marine sponges. <i>Journal of Experimental Marine Biology and Ecology</i> , 1994, 179, 195-205.	1.5	93
5	<i>Pseudomonas extremaustralis</i> sp. nov., a Poly(3-hydroxybutyrate) Producer Isolated from an Antarctic Environment. <i>Current Microbiology</i> , 2009, 59, 514-519.	2.2	93
6	Polyhydroxyalkanoate Degradation Is Associated with Nucleotide Accumulation and Enhances Stress Resistance and Survival of <i>Pseudomonas oleovorans</i> in Natural Water Microcosms. <i>Applied and Environmental Microbiology</i> , 2001, 67, 225-230.	3.1	90
7	A Polyhydroxybutyrate-Producing <i>Pseudomonas</i> sp. Isolated from Antarctic Environments with High Stress Resistance. <i>Current Microbiology</i> , 2004, 49, 170-4.	2.2	84
8	The effect of nutrient additions on bacterial activity in seagrass ( <i>Posidonia oceanica</i> ) sediments. <i>Journal of Experimental Marine Biology and Ecology</i> , 1998, 224, 155-166.	1.5	74
9	Melanin biosynthesis in bacteria, regulation and production perspectives. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1357-1370.	3.6	71
10	Isolation and characterization of benzene, toluene and xylene degrading <i>Pseudomonas</i> sp. selected as candidates for bioremediation. <i>International Biodeterioration and Biodegradation</i> , 2012, 67, 15-20.	3.9	66
11	Poly(3-hydroxybutyrate) influences biofilm formation and motility in the novel Antarctic species <i>Pseudomonas extremaustralis</i> under cold conditions. <i>Extremophiles</i> , 2011, 15, 541-547.	2.3	61
12	Polyhydroxyalkanoates. <i>Advances in Applied Microbiology</i> , 2015, 93, 73-106.	2.4	60
13	Effect of poly(3-hydroxybutyrate) (PHB) content on the starvation-survival of bacteria in natural waters. <i>FEMS Microbiology Ecology</i> , 1995, 16, 95-101.	2.7	54
14	Bacterial activity in NW Mediterranean seagrass ( <i>Posidonia oceanica</i> ) sediments. <i>Journal of Experimental Marine Biology and Ecology</i> , 1995, 187, 39-49.	1.5	53
15	Genome sequence analysis of <i>Pseudomonas extremaustralis</i> provides new insights into environmental adaptability and extreme conditions resistance. <i>Extremophiles</i> , 2015, 19, 207-220.	2.3	53
16	The polyhydroxyalkanoate genes of a stress resistant Antarctic <i>Pseudomonas</i> are situated within a genomic island. <i>Plasmid</i> , 2007, 58, 240-248.	1.4	47
17	Novel Essential Role of Ethanol Oxidation Genes at Low Temperature Revealed by Transcriptome Analysis in the Antarctic Bacterium <i>Pseudomonas extremaustralis</i> . <i>PLoS ONE</i> , 2015, 10, e0145353.	2.5	45
18	Biofilm lifestyle enhances diesel bioremediation and biosurfactant production in the Antarctic polyhydroxyalkanoate producer <i>Pseudomonas extremaustralis</i> . <i>Biodegradation</i> , 2012, 23, 645-651.	3.0	42

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19	Influence of lake trophic conditions on the dominant mixotrophic algal assemblages. <i>Journal of Plankton Research</i> , 2016, 38, 818-829.	1.8	41
20	rpoS Gene Expression in Carbon-Starved Cultures of the Polyhydroxyalkanoate-Accumulating Species <i>Pseudomonas oleovorans</i> . <i>Current Microbiology</i> , 2004, 48, 396-400.	2.2	36
21	Microaerophilic alkane degradation in <i>Pseudomonas extremaustralis</i> : a transcriptomic and physiological approach. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 15-23.	3.0	34
22	Genome Sequence of the Polyhydroxybutyrate Producer <i>Pseudomonas extremaustralis</i> , a Highly Stress-Resistant Antarctic Bacterium. <i>Journal of Bacteriology</i> , 2012, 194, 2381-2382.	2.2	32
23	Impaired polyhydroxybutyrate biosynthesis from glucose in <i>Pseudomonas</i> sp. 14-3 is due to a defective $\Delta\Delta^2$ -ketothiolase gene. <i>FEMS Microbiology Letters</i> , 2006, 264, 125-131.	1.8	28
24	High Polyhydroxybutyrate Production in <i>Pseudomonas extremaustralis</i> Is Associated with Differential Expression of Horizontally Acquired and Core Genome Polyhydroxyalkanoate Synthase Genes. <i>PLoS ONE</i> , 2014, 9, e98873.	2.5	28
25	Novel role of the LPS core glycosyltransferase WapH for cold adaptation in the Antarctic bacterium <i>Pseudomonas extremaustralis</i> . <i>PLoS ONE</i> , 2018, 13, e0192559.	2.5	25
26	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 51-55.	3.6	23
27	Controls on nitrification in a water-limited ecosystem: experimental inhibition of ammonia-oxidising bacteria in the Patagonian steppe. <i>Soil Biology and Biochemistry</i> , 2003, 35, 1609-1613.	8.8	22
28	Anr, the anaerobic global regulator, modulates the redox state and oxidative stress resistance in <i>Pseudomonas extremaustralis</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 259-268.	1.8	22
29	Core regulon of the global anaerobic regulator Anr targets central metabolism functions in <i>Pseudomonas</i> species. <i>Scientific Reports</i> , 2019, 9, 9065.	3.3	22
30	Oxygen-Sensitive Global Regulator, Anr, Is Involved in the Biosynthesis of Poly(3-Hydroxybutyrate) in <i>Pseudomonas extremaustralis</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2010, 19, 180-188.	1.0	19
31	Living in an Extremely Polluted Environment: Clues from the Genome of Melanin-Producing <i>Aeromonas salmonicida</i> subsp. <i>pectinolytica</i> 34mel <sup>T</sup> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 5235-5248.	3.1	18
32	Dimethyl sulfoxide (DMSO) reduction potential in Mediterranean seagrass ( <i>Posidonia oceanica</i> ) sediments. <i>Journal of Sea Research</i> , 2004, 51, 11-20.	1.6	16
33	Polyhydroxyalkanoate Synthesis Affects Biosurfactant Production and Cell Attachment to Hydrocarbons in <i>Pseudomonas</i> sp. KA-08. <i>Current Microbiology</i> , 2014, 68, 735-742.	2.2	12
34	Response to lethal UVA radiation in the Antarctic bacterium <i>Pseudomonas extremaustralis</i> : polyhydroxybutyrate and cold adaptation as protective factors. <i>Extremophiles</i> , 2020, 24, 265-275.	2.3	12
35	Genome Sequence of the Melanin-Producing Extremophile <i>Aeromonas salmonicida</i> subsp. <i>pectinolytica</i> Strain 34mel <sup>T</sup> . <i>Genome Announcements</i> , 2013, 1, .	0.8	11
36	Oxidative stress under low oxygen conditions triggers hyperflagellation and motility in the Antarctic bacterium <i>Pseudomonas extremaustralis</i> . <i>Extremophiles</i> , 2019, 23, 587-597.	2.3	10

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37	Glycerol inhibition of melanin biosynthesis in the environmental <i>Aeromonas salmonicida</i> 34meT. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 1865-1876.	3.6	9
38	The Global Anaerobic Regulator Anr, Is Involved in Cell Attachment and Aggregation Influencing the First Stages of Biofilm Development in <i>Pseudomonas extremaustralis</i> . <i>PLoS ONE</i> , 2013, 8, e76685.	2.5	8
39	Increased plumage darkness of female Shiny Cowbirds <i>Molothrus bonariensis</i> in the subtropics: an adaptation to bacterial degradation?. <i>Ibis</i> , 2010, 152, 775-781.	1.9	5
40	Effect of copper on diesel degradation in <i>Pseudomonas extremaustralis</i> . <i>Extremophiles</i> , 2019, 23, 91-99.	2.3	5
41	Small <i>scp</i> RNAs in the Antarctic bacterium <i>Pseudomonas extremaustralis</i> responsive to oxygen availability and oxidative stress. <i>Environmental Microbiology Reports</i> , 2022, 14, 604-615.	2.4	2