

# Luis H Orellana

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

882  
citations

567144

15  
h-index

677027

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting Nitrous Oxide Reductase ( <i>nosZ</i> ) Genes in Soil Metagenomes: Method Development and Implications for the Nitrogen Cycle. <i>MBio</i> , 2014, 5, e01193-14.	1.8	142
2	Year-Round Shotgun Metagenomes Reveal Stable Microbial Communities in Agricultural Soils and Novel Ammonia Oxidizers Responding to Fertilization. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	121
3	Transcriptional and Functional Studies of <i>Acidithiobacillus ferrooxidans</i> Genes Related to Survival in the Presence of Copper. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6102-6109.	1.4	73
4	A genomic island provides <i>Acidithiobacillus ferrooxidans</i> ATCC 53993 additional copper resistance: a possible competitive advantage. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 761-767.	1.7	69
5	The low diverse gastric microbiome of the jellyfish <i>Cotylorhiza tuberculata</i> is dominated by four novel taxa. <i>Environmental Microbiology</i> , 2017, 19, 3039-3058.	1.8	62
6	<i>Verrucomicrobiota</i> are specialist consumers of sulfated methyl pentoses during diatom blooms. <i>ISME Journal</i> , 2022, 16, 630-641.	4.4	62
7	Detection and Diversity of Fungal Nitric Oxide Reductase Genes ( <i>p45nor</i> ) in Agricultural Soils. <i>Applied and Environmental Microbiology</i> , 2016, 82, 2919-2928.	1.4	55
8	Niche differentiation among annually recurrent coastal Marine Group II Euryarchaeota. <i>ISME Journal</i> , 2019, 13, 3024-3036.	4.4	41
9	ROcker: accurate detection and quantification of target genes in short-read metagenomic data sets by modeling sliding-window bitscores. <i>Nucleic Acids Research</i> , 2017, 45, gkw900.	6.5	37
10	Global response of <i>Acidithiobacillus ferrooxidans</i> ATCC 53993 to high concentrations of copper: A quantitative proteomics approach. <i>Journal of Proteomics</i> , 2016, 145, 37-45.	1.2	34
11	Genomic comparison between members of the <i>Salinibacteraceae</i> family, and description of a new species of <i>Salinibacter</i> ( <i>Salinibacter altiplanensis</i> sp. nov.) isolated from high altitude hypersaline environments of the Argentinian Altiplano. <i>Systematic and Applied Microbiology</i> , 2018, 41, 198-212.	1.2	29
12	Metagenomics as a Public Health Risk Assessment Tool in a Study of Natural Creek Sediments Influenced by Agricultural and Livestock Runoff: Potential and Limitations. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	27
13	Candidatus <i>Abditibacter</i> , a novel genus within the <i>Cryomorphaceae</i> , thriving in the North Sea. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126088.	1.2	21
14	Predominance of deterministic microbial community dynamics in salterns exposed to different light intensities. <i>Environmental Microbiology</i> , 2019, 21, 4300-4315.	1.8	20
15	Comparing DNA, RNA and protein levels for measuring microbial dynamics in soil microcosms amended with nitrogen fertilizer. <i>Scientific Reports</i> , 2019, 9, 17630.	1.6	18
16	Effects of timber harvesting on the genetic potential for carbon and nitrogen cycling in five North American forest ecozones. <i>Scientific Reports</i> , 2018, 8, 3142.	1.6	17
17	Distinct ecotypes within a natural haloarchaeal population enable adaptation to changing environmental conditions without causing population sweeps. <i>ISME Journal</i> , 2021, 15, 1178-1191.	4.4	14
18	Microbial metagenome-assembled genomes of the Fram Strait from short and long read sequencing platforms. <i>PeerJ</i> , 2021, 9, e11721.	0.9	14

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19	Diversity of microbial communities and genes involved in nitrous oxide emissions in Antarctic soils impacted by marine animals as revealed by metagenomics and 100 metagenome-assembled genomes. <i>Science of the Total Environment</i> , 2021, 788, 147693.	3.9	12
20	Metagenomic Characterization of Soil Microbial Communities in the Luquillo Experimental Forest (Puerto Rico) and Implications for Nitrogen Cycling. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0054621.	1.4	8
21	The influence of alfalfa-switchgrass intercropping on microbial community structure and function. <i>Environmental Microbiology</i> , 2021, 23, 6828-6843.	1.8	5
22	ROcker Models for Reliable Detection and Typing of Short-Read Sequences Carrying $\beta$ -Lactamase Genes. <i>MSystems</i> , 2022, 7, .	1.7	1
23	Transcriptomic and rRNA:rDNA Signatures of Environmental versus Enteric <i>Enterococcus faecalis</i> Isolates under Oligotrophic Freshwater Conditions. <i>Microbiology Spectrum</i> , 2021, 9, e0081721.	1.2	0