

Jose M Gonzalez

List of Publications by Year in descending order

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57
papers

7,298
citations

117453

34
h-index

161609

54
g-index

60
all docs

60
docs citations

60
times ranked

7132
citing authors

#	ARTICLE	IF	CITATIONS
1	Master recyclers: features and functions of bacteria associated with phytoplankton blooms. <i>Nature Reviews Microbiology</i> , 2014, 12, 686-698.	13.6	947
2	Overview of the Marine Roseobacter Lineage. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5665-5677.	1.4	753
3	Ecology of marine Bacteroidetes: a comparative genomics approach. <i>ISME Journal</i> , 2013, 7, 1026-1037.	4.4	614
4	Genome sequence of <i>Silicibacter pomeroyi</i> reveals adaptations to the marine environment. <i>Nature</i> , 2004, 432, 910-913.	13.7	415
5	Biochemistry, evolution and physiological function of the Rnf complex, a novel ion-motive electron transport complex in prokaryotes. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 613-634.	2.4	352
6	Light stimulates growth of proteorhodopsin-containing marine Flavobacteria. <i>Nature</i> , 2007, 445, 210-213.	13.7	349
7	Prevalent genome streamlining and latitudinal divergence of planktonic bacteria in the surface ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11463-11468.	3.3	328
8	Assembling the Marine Metagenome, One Cell at a Time. <i>PLoS ONE</i> , 2009, 4, e5299.	1.1	320
9	Bacterial Taxa That Limit Sulfur Flux from the Ocean. <i>Science</i> , 2006, 314, 649-652.	6.0	296
10	<i>Silicibacter pomeroyi</i> sp. nov. and <i>Roseovarius nubinhibens</i> sp. nov., dimethylsulfoniopropionate-demethylating bacteria from marine environments. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1261-1269.	0.8	231
11	Genome analysis of the proteorhodopsin-containing marine bacterium <i>Polaribacter</i> sp. MED152 (Flavobacteria). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8724-8729.	3.3	231
12	Proteorhodopsin Phototrophy Promotes Survival of Marine Bacteria during Starvation. <i>PLoS Biology</i> , 2010, 8, e1000358.	2.6	206
13	Seasonality in bacterial diversity in north-west Mediterranean coastal waters: assessment through clone libraries, fingerprinting and FISH. <i>FEMS Microbiology Ecology</i> , 2007, 60, 98-112.	1.3	195
14	Marine Bacterial and Archaeal Ion-Pumping Rhodopsins: Genetic Diversity, Physiology, and Ecology. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 929-954.	2.9	173
15	Linking a Bacterial Taxon to Sulfur Cycling in the Sea: Studies of the Marine Roseobacter Group. <i>Geomicrobiology Journal</i> , 2003, 20, 375-388.	1.0	133
16	<i>Saccharophagus degradans</i> gen. nov., sp. nov., a versatile marine degrader of complex polysaccharides. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1545-1549.	0.8	133
17	Deep ocean metagenomes provide insight into the metabolic architecture of bathypelagic microbial communities. <i>Communications Biology</i> , 2021, 4, 604.	2.0	107
18	High abundance of virulence gene homologues in marine bacteria. <i>Environmental Microbiology</i> , 2009, 11, 1348-1357.	1.8	98

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19	Lipid remodelling is a widespread strategy in marine heterotrophic bacteria upon phosphorus deficiency. <i>ISME Journal</i> , 2016, 10, 968-978.	4.4	95
20	Stimulation of growth by proteorhodopsin phototrophy involves regulation of central metabolic pathways in marine planktonic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3650-8.	3.3	87
21	Use of Microautoradiography Combined with Fluorescence In Situ Hybridization To Determine Dimethylsulfoniopropionate Incorporation by Marine Bacterioplankton Taxa. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4648-4657.	1.4	86
22	Patterns and architecture of genomic islands in marine bacteria. <i>BMC Genomics</i> , 2012, 13, 347.	1.2	84
23	Phylogenetic identification and metabolism of marine dimethylsulfide-consuming bacteria. <i>Environmental Microbiology</i> , 2006, 8, 2189-2200.	1.8	73
24	Dimethylsulfoniopropionate Turnover Is Linked to the Composition and Dynamics of the Bacterioplankton Assemblage during a Microcosm Phytoplankton Bloom. <i>Applied and Environmental Microbiology</i> , 2005, 71, 7650-7660.	1.4	69
25	Response of marine bacterioplankton pH homeostasis gene expression to elevated CO ₂ . <i>Nature Climate Change</i> , 2016, 6, 483-487.	8.1	68
26	<i>Neptuniibacter caesariensis</i> gen. nov., sp. nov., a novel marine genome-sequenced gammaproteobacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1000-1006.	0.8	58
27	Proteorhodopsin light-enhanced growth linked to vitamin-B1 acquisition in marine Flavobacteria. <i>ISME Journal</i> , 2016, 10, 1102-1112.	4.4	58
28	Genomics of the Proteorhodopsin-Containing Marine Flavobacterium <i>Dokdonia</i> sp. Strain MED134. <i>Applied and Environmental Microbiology</i> , 2011, 77, 8676-8686.	1.4	56
29	Biochemical Characterization of VlmL, a Seryl-tRNA Synthetase Encoded by the Valanimycin Biosynthetic Gene Cluster. <i>Journal of Biological Chemistry</i> , 2006, 281, 26785-26791.	1.6	51
30	Phosphate Limitation Induces Drastic Physiological Changes, Virulence-Related Gene Expression, and Secondary Metabolite Production in <i>Pseudovibrio</i> sp. Strain FO-BEG1. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3518-3528.	1.4	49
31	Diversity and Distribution of Freshwater Aerobic Anoxygenic Phototrophic Bacteria across a Wide Latitudinal Gradient. <i>Frontiers in Microbiology</i> , 2017, 8, 175.	1.5	44
32	Repeated evolutionary transitions of flavobacteria from marine to non-marine habitats. <i>Environmental Microbiology</i> , 2019, 21, 648-666.	1.8	43
33	Genomics and Physiology of a Marine Flavobacterium Encoding a Proteorhodopsin and a Xanthorhodopsin-Like Protein. <i>PLoS ONE</i> , 2013, 8, e57487.	1.1	42
34	Bacterioplankton groups involved in the uptake of phosphate and dissolved organic phosphorus in a mesocosm experiment with P-starved Mediterranean waters. <i>Environmental Microbiology</i> , 2012, 14, 2334-2347.	1.8	39
35	Regulation of proteorhodopsin gene expression by nutrient limitation in the marine bacterium <i>Vibrio</i> sp. AND-4. <i>Environmental Microbiology</i> , 2013, 15, 1400-1415.	1.8	39
36	Comparative Genomic and Transcriptomic Analysis of Tandemly and Segmentally Duplicated Genes in Rice. <i>PLoS ONE</i> , 2013, 8, e63551.	1.1	36

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37	Flow-Cytometric Cell Sorting and Subsequent Molecular Analyses for Culture-Independent Identification of Bacterioplankton Involved in Dimethylsulfoniopropionate Transformations. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1405-1416.	1.4	33
38	Caffeate Respiration in the Acetogenic Bacterium <i>Acetobacterium woodii</i> : a Coenzyme A Loop Saves Energy for Caffeate Activation. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1942-1947.	1.4	30
39	Assessing bacterial diversity in a seawaterâ€processing wastewater treatment plant by 454â€pyrosequencing of the 16<scp>S rRNA</scp> and <scp><i>amoA</i></scp> genes. <i>Microbial Biotechnology</i> , 2013, 6, 435-442.	2.0	30
40	Comparative proteomics reveals signature metabolisms of exponentially growing and stationary phase marine bacteria. <i>Environmental Microbiology</i> , 2017, 19, 2301-2319.	1.8	30
41	<i>Bermanella marisrubri</i> gen. nov., sp. nov., a genome-sequenced gammaproteobacterium from the Red Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 373-377.	0.8	24
42	Functional annotation of orthologs in metagenomes: a case study of genes for the transformation of oceanic dimethylsulfoniopropionate. <i>ISME Journal</i> , 2019, 13, 1183-1197.	4.4	24
43	Transient Changes in Bacterioplankton Communities Induced by the Submarine Volcanic Eruption of El Hierro (Canary Islands). <i>PLoS ONE</i> , 2015, 10, e0118136.	1.1	22
44	<i>Reinekea blandensis</i> sp. nov., a marine, genome-sequenced gammaproteobacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 2370-2375.	0.8	21
45	Mannitolâ€phosphate dehydrogenases/phosphatases: a family of novel bifunctional enzymes for bacterial adaptation to osmotic stress. <i>Environmental Microbiology</i> , 2015, 17, 711-719.	1.8	21
46	Phylogenetically and functionally diverse microorganisms reside under the Ross Ice Shelf. <i>Nature Communications</i> , 2022, 13, 117.	5.8	17
47	Reduction of alternative electron acceptors drives biofilm formation in <i>Shewanella</i> algae. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 9.	2.9	15
48	Dynamics of Metabolic Activities and Gene Expression in the Roseobacter Clade Bacterium <i>Phaeobacter</i> sp. Strain MED193 during Growth with Thiosulfate. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6933-6942.	1.4	14
49	<i>Marinomonas blandensis</i> sp. nov., a novel marine gammaproteobacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 5544-5549.	0.8	12
50	Transcriptional Patterns of Biogeochemically Relevant Marker Genes by Temperate Marine Bacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 465.	1.5	9
51	T-RFPred: a nucleotide sequence size prediction tool for microbial community description based on terminal-restriction fragment length polymorphism chromatograms. <i>BMC Microbiology</i> , 2010, 10, 262.	1.3	8
52	Exploring Microdiversity in Novel <i>Kordia</i> sp. (Bacteroidetes) with Proteorhodopsin from the Tropical Indian Ocean via Single Amplified Genomes. <i>Frontiers in Microbiology</i> , 2017, 8, 1317.	1.5	7
53	Aerobic Hydrocarbon-Degrading Alphaproteobacteria: Rhodobacteraceae (<i>Roseobacter</i>). , 2019, , 93-104.		7
54	Light supports cellâ€integrity and growth rates of taxonomically diverse coastal photoheterotrophs. <i>Environmental Microbiology</i> , 2020, 22, 3823-3837.	1.8	6

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55	Aerobic Hydrocarbon-Degrading Alphaproteobacteria: Rhodobacteraceae (Roseobacter)., 2019, , 1-13.		4
56	Evolutionary history of dimethylsulfoniopropionate (DMSP) demethylation enzyme DmdA in marine bacteria. PeerJ, 2020, 8, e9861.	0.9	4
57	Taxon-Specific Shifts in Bacterial and Archaeal Transcription of Dissolved Organic Matter Cycling Genes in a Stratified Fjord. MSystems, 2021, 6, e0057521.	1.7	1