

# JosÃ© Eduardo GonzÃ¡lez-Pastor

## List of Publications by Year in descending order

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39  
papers

5,077  
citations

201385

27  
h-index

344852

36  
g-index

42  
all docs

42  
docs citations

42  
times ranked

4975  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fruiting body formation by <i>Bacillus subtilis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11621-11626.	3.3	1,008
2	Cannibalism by Sporulating Bacteria. Science, 2003, 301, 510-513.	6.0	514
3	The Spo0A regulon of <i>Bacillus subtilis</i> . Molecular Microbiology, 2003, 50, 1683-1701.	1.2	466
4	High- and Low-Threshold Genes in the Spo0A Regulon of <i>Bacillus subtilis</i> . Journal of Bacteriology, 2005, 187, 1357-1368.	1.0	366
5	Genome-Wide Analysis of the Stationary-Phase Sigma Factor (Sigma-H) Regulon of <i>Bacillus subtilis</i> . Journal of Bacteriology, 2002, 184, 4881-4890.	1.0	292
6	Genes Involved in Formation of Structured Multicellular Communities by <i>Bacillus subtilis</i> . Journal of Bacteriology, 2004, 186, 3970-3979.	1.0	255
7	Mechanisms and Regulation of Extracellular DNA Release and Its Biological Roles in Microbial Communities. Frontiers in Microbiology, 2017, 8, 1390.	1.5	235
8	The $\sigma^E$ Regulon and the Identification of Additional Sporulation Genes in <i>Bacillus subtilis</i> . Journal of Molecular Biology, 2003, 327, 945-972.	2.0	214
9	Transcriptional Tradeoff between Metabolic and Stress-response Programs in <i>Pseudomonas putida</i> KT2440 Cells Exposed to Toluene. Journal of Biological Chemistry, 2006, 281, 11981-11991.	1.6	207
10	A Three-Protein Signaling Pathway Governing Immunity to a Bacterial Cannibalism Toxin. Cell, 2006, 124, 549-559.	13.5	162
11	Cannibalism: a social behavior in sporulating <i>Bacillus subtilis</i> . FEMS Microbiology Reviews, 2011, 35, 415-424.	3.9	143
12	Chemical Structure and Translation Inhibition Studies of the Antibiotic Microcin C7. Journal of Biological Chemistry, 1995, 270, 23520-23532.	1.6	126
13	Novel Nickel Resistance Genes from the Rhizosphere Metagenome of Plants Adapted to Acid Mine Drainage. Applied and Environmental Microbiology, 2007, 73, 6001-6011.	1.4	117
14	Functional metagenomics of extreme environments. Current Opinion in Biotechnology, 2016, 38, 143-149.	3.3	98
15	Structure and organization of plasmid genes required to produce the translation inhibitor microcin C7. Journal of Bacteriology, 1995, 177, 7131-7140.	1.0	79
16	Novel acid resistance genes from the metagenome of the <i>Thermoplasma</i> into <i>Escherichia coli</i> , an extremely acidic environment. Environmental Microbiology, 2013, 15, 1088-1102.	1.8	76
17	Extracellular DNA Release by Undomesticated <i>Bacillus subtilis</i> Is Regulated by Early Competence. PLoS ONE, 2012, 7, e48716.	1.1	67
18	SOLID2: An Antibody Array-Based Life-Detector Instrument in a Mars Drilling Simulation Experiment (MARTE). Astrobiology, 2008, 8, 987-999.	1.5	63

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19	The smallest known gene. <i>Nature</i> , 1994, 369, 281-281.	13.7	59
20	The 2005 MARTE Robotic Drilling Experiment in Río Tinto, Spain: Objectives, Approach, and Results of a Simulated Mission to Search for Life in the Martian Subsurface. <i>Astrobiology</i> , 2008, 8, 921-945.	1.5	52
21	Nucleotide sequence of the <i>Escherichia coli</i> regulatory gene <i>mprA</i> and construction and characterization of <i>mprA</i> -deficient mutants. <i>Journal of Bacteriology</i> , 1991, 173, 3924-3929.	1.0	47
22	SpoIIIE and a novel type of DNA translocase, SftA, couple chromosome segregation with cell division in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2009, 74, 810-825.	1.2	46
23	Salt resistance genes revealed by functional metagenomics from brines and moderate-salinity rhizosphere within a hypersaline environment. <i>Frontiers in Microbiology</i> , 2015, 6, 1121.	1.5	45
24	The role of nitric-oxide-synthase-derived nitric oxide in multicellular traits of <i>Bacillus subtilis</i> 3610: biofilm formation, swarming, and dispersal. <i>BMC Microbiology</i> , 2011, 11, 111.	1.3	42
25	The regulation of microcin B, C and J operons. <i>Biochimie</i> , 2002, 84, 521-529.	1.3	41
26	Exploring the diversity of arsenic resistance genes from acid mine drainage microorganisms. <i>Environmental Microbiology</i> , 2015, 17, 1910-1925.	1.8	37
27	The $\sigma^H$ Toxin Induces a Set of Protective Responses and Dormancy. <i>PLoS ONE</i> , 2012, 7, e30282.	1.1	35
28	Diversity of Archaea in Icelandic hot springs based on 16S rRNA and chaperonin genes. <i>FEMS Microbiology Ecology</i> , 2011, 77, 165-175.	1.3	27
29	Horizontal Gene Transfer of Phytochelatin Synthases from Bacteria to Extremophilic Green Algae. <i>Microbial Ecology</i> , 2017, 73, 50-60.	1.4	27
30	Acidophiles: Diversity and Mechanisms of Adaptation to Acidic Environments. , 2017, , 227-251.		24
31	The Presence of Conjugative Plasmid pLS20 Affects Global Transcription of Its <i>Bacillus subtilis</i> Host and Confers Beneficial Stress Resistance to Cells. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1349-1358.	1.4	23
32	Predominance of deterministic microbial community dynamics in salterns exposed to different light intensities. <i>Environmental Microbiology</i> , 2019, 21, 4300-4315.	1.8	20
33	Novel Metal Resistance Genes from Microorganisms: A Functional Metagenomic Approach. <i>Methods in Molecular Biology</i> , 2010, 668, 273-285.	0.4	15
34	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
35	Mining for Perchlorate Resistance Genes in Microorganisms From Sediments of a Hypersaline Pond in Atacama Desert, Chile. <i>Frontiers in Microbiology</i> , 2021, 12, 723874.	1.5	13
36	Nickel-Resistance Determinants in <i>Acidiphilium</i> sp. PM Identified by Genome-Wide Functional Screening. <i>PLoS ONE</i> , 2014, 9, e95041.	1.1	11

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37	Novel Genes Involved in Resistance to Both Ultraviolet Radiation and Perchlorate From the Metagenomes of Hypersaline Environments. <i>Frontiers in Microbiology</i> , 2020, 11, 453.	1.5	10
38	Rhizosphere Metagenome of Plants Adapted to Acid Mine Drainage. , 2013, , 1-6.		0
39	Heterologous Expression of the Phytochelatin Synthase CaPCS2 from <i>Chlamydomonas acidophila</i> and Its Effect on Different Stress Factors in <i>Escherichia coli</i> . <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7692.	1.2	0