

# Manuel JosÃ© GÃ³mez

## List of Publications by Year in descending order

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79  
papers

4,298  
citations

109311

35  
h-index

114455

63  
g-index

86  
all docs

86  
docs citations

86  
times ranked

5968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trained immunity induction by the inactivated mucosal vaccine MV130 protects against experimental viral respiratory infections. <i>Cell Reports</i> , 2022, 38, 110184.	6.4	34
2	Activation of amino acid metabolic program in cardiac HIF1-alpha-deficient mice. <i>IScience</i> , 2021, 24, 102124.	4.1	10
3	DNGR-1 limits Flt3L-mediated antitumor immunity by restraining tumor-infiltrating type I conventional dendritic cells. , 2021, 9, e002054.		22
4	MiRNA post-transcriptional modification dynamics in TÃcell activation. <i>IScience</i> , 2021, 24, 102530.	4.1	10
5	Gene therapy with secreted acid alpha-glucosidase rescues Pompe disease in a novel mouse model with early-onset spinal cord and respiratory defects. <i>EBioMedicine</i> , 2020, 61, 103052.	6.1	14
6	Identification of a peripheral blood gene signature predicting aortic valve calcification. <i>Physiological Genomics</i> , 2020, 52, 563-574.	2.3	11
7	Sox17 Controls Emergence and Remodeling of Nestin-Expressing Coronary Vessels. <i>Circulation Research</i> , 2020, 127, e252-e270.	4.5	19
8	Caveolin1 and YAP drive mechanically induced mesothelial to mesenchymal transition and fibrosis. <i>Cell Death and Disease</i> , 2020, 11, 647.	6.3	39
9	JNK-mediated disruption of bile acid homeostasis promotes intrahepatic cholangiocarcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16492-16499.	7.1	43
10	Expression of miR-135b in Psoriatic Skin and Its Association with Disease Improvement. <i>Cells</i> , 2020, 9, 1603.	4.1	10
11	Rescue of Advanced Pompe Disease in Mice with Hepatic Expression of Secretable Acid Î±-Glucosidase. <i>Molecular Therapy</i> , 2020, 28, 2056-2072.	8.2	16
12	Photocatalytically Active Graphitic Carbon Nitride as an Effective and Safe 2D Material for In Vitro and In Vivo Photodynamic Therapy. <i>Small</i> , 2020, 16, e1904619.	10.0	53
13	Abstract 16335: Metabolic Reprogramming From Glycolysis to Amino Acid Utilization in Cardiac Hif1 Alpha Deficient Mice. <i>Circulation</i> , 2020, 142, .	1.6	0
14	PGCÎ±1 deficiency causes spontaneous kidney inflammation and increases the severity of nephrotoxic AKI. <i>Journal of Pathology</i> , 2019, 249, 65-78.	4.5	70
15	Functional, biochemical and transcriptional rescue of advanced Pompe disease in mice with liver expression of secretable GAA. <i>Molecular Genetics and Metabolism</i> , 2019, 126, S35.	1.1	0
16	Nanog regulates Pou3f1 expression at the exit from pluripotency during gastrulation. <i>Biology Open</i> , 2019, 8, .	1.2	11
17	Coronary arterial development is regulated by a Dll4-Jag1-EphrinB2 signaling cascade. <i>ELife</i> , 2019, 8, .	6.0	27
18	Von Hippel-Lindau Protein Is Required for Optimal Alveolar Macrophage Terminal Differentiation, Self-Renewal, and Function. <i>Cell Reports</i> , 2018, 24, 1738-1746.	6.4	26

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19	Prokaryotic diversity and community composition in the Salar de Uyuni, a large scale, chaotropic salt flat. <i>Environmental Microbiology</i> , 2017, 19, 3745-3754.	3.8	42
20	Global assessment of small RNAs reveals a non-coding transcript involved in biofilm formation and attachment in <i>Acinetobacter baumannii</i> ATCC 17978. <i>PLoS ONE</i> , 2017, 12, e0182084.	2.5	19
21	Myocardial VHL-HIF Signaling Controls an Embryonic Metabolic Switch Essential for Cardiac Maturation. <i>Developmental Cell</i> , 2016, 39, 724-739.	7.0	106
22	Sequential Ligand-Dependent Notch Signaling Activation Regulates Valve Primordium Formation and Morphogenesis. <i>Circulation Research</i> , 2016, 118, 1480-1497.	4.5	85
23	Solar Radiation Stress in Natural Acidophilic Biofilms of <i>Euglena mutabilis</i> Revealed by Metatranscriptomics and PAM Fluorometry. <i>Protist</i> , 2016, 167, 67-81.	1.5	8
24	Transposase interaction with the $\hat{\nu}^2$ sliding clamp: effects on insertion sequence proliferation and transposition rate. <i>Scientific Reports</i> , 2015, 5, 13329.	3.3	9
25	Pyrosequencing-Based Assessment of the Microbial Community Structure of Pastoruri Glacier Area (HuascarÃn National Park, PerÃ), a Natural Extreme Acidic Environment. <i>Microbial Ecology</i> , 2015, 70, 936-947.	2.8	22
26	Whole-genome analysis of <i>Azoarcus</i> sp. strain CIB provides genetic insights to its different lifestyles and predicts novel metabolic features. <i>Systematic and Applied Microbiology</i> , 2015, 38, 462-471.	2.8	73
27	A model for the structure and mechanism of action of pulmonary surfactant protein B. <i>FASEB Journal</i> , 2015, 29, 4236-4247.	0.5	50
28	Transcriptional response to copper excess and identification of genes involved in heavy metal tolerance in the extremophilic microalga <i>Chlamydomonas acidophila</i> . <i>Extremophiles</i> , 2015, 19, 657-672.	2.3	18
29	Telomerase Is Essential for Zebrafish Heart Regeneration. <i>Cell Reports</i> , 2015, 12, 1691-1703.	6.4	67
30	Nickel-Resistance Determinants in <i>Acidiphilium</i> sp. PM Identified by Genome-Wide Functional Screening. <i>PLoS ONE</i> , 2014, 9, e95041.	2.5	11
31	Large-Scale Genomic Analysis Suggests a Neutral Punctuated Dynamics of Transposable Elements in Bacterial Genomes. <i>PLoS Computational Biology</i> , 2014, 10, e1003680.	3.2	32
32	Deep subsurface sulfate reduction and methanogenesis in the Iberian Pyrite Belt revealed through geochemistry and molecular biomarkers. <i>Geobiology</i> , 2014, 12, 34-47.	2.4	33
33	Stage-specific differential gene expression in <i>Leishmania infantum</i> : from the foregut of <i>Phlebotomus perniciosus</i> to the human phagocyte. <i>BMC Genomics</i> , 2014, 15, 849.	2.8	27
34	Chromosomal Replication Dynamics and Interaction with the $\hat{\nu}^2$ Sliding Clamp Determine Orientation of Bacterial Transposable Elements. <i>Genome Biology and Evolution</i> , 2014, 6, 727-740.	2.5	18
35	Complete Genome Sequence of the Multiresistant <i>Acinetobacter baumannii</i> Strain AbH120-A2, Isolated during a Large Outbreak in Spain. <i>Genome Announcements</i> , 2014, 2, .	0.8	19
36	The Dynamic Genomes of Acidophiles. <i>Cellular Origin and Life in Extreme Habitats</i> , 2013, , 81-97.	0.3	1

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37	Metabolic potential of the organic-solvent tolerant <i>Pseudomonas putida</i> deduced from its annotated genome. <i>Microbial Biotechnology</i> , 2013, 6, 598-611.	4.2	37
38	Whole Transcriptome Analysis of <i>Acinetobacter baumannii</i> Assessed by RNA-Sequencing Reveals Different mRNA Expression Profiles in Biofilm Compared to Planktonic Cells. <i>PLoS ONE</i> , 2013, 8, e72968.	2.5	127
39	Comparative Genomic Analysis Reveals Novel Facts about <i>Leptospirillum</i> spp. Cytochromes. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2012, 22, 94-104.	1.0	12
40	Exploring Bacterial Diversity in Hospital Environments by GS-FLX Titanium Pyrosequencing. <i>PLoS ONE</i> , 2012, 7, e44105.	2.5	52
41	Prokaryotic communities and operating metabolisms in the surface and the permafrost of Deception Island (Antarctica). <i>Environmental Microbiology</i> , 2012, 14, 2495-2510.	3.8	44
42	A Microbial Oasis in the Hypersaline Atacama Subsurface Discovered by a Life Detector Chip: Implications for the Search for Life on Mars. <i>Astrobiology</i> , 2011, 11, 969-996.	3.0	140
43	Partial and complete denitrification in <i>Thermus thermophilus</i> : lessons from genome drafts. <i>Biochemical Society Transactions</i> , 2011, 39, 249-253.	3.4	14
44	The pGRT1 plasmid of <i>Pseudomonas putida</i> DOT1E encodes functions relevant for survival under harsh conditions in the environment. <i>Environmental Microbiology</i> , 2011, 13, 2315-2327.	3.8	43
45	Draft Genome Sequence of the Electricigen <i>Acidiphilium</i> sp. Strain PM (DSM 24941). <i>Journal of Bacteriology</i> , 2011, 193, 5585-5586.	2.2	23
46	Complete Genome of the Plant Growth-Promoting Rhizobacterium <i>Pseudomonas putida</i> BIRD-1. <i>Journal of Bacteriology</i> , 2011, 193, 1290-1290.	2.2	52
47	Lateral Transfer of the Denitrification Pathway Genes among <i>Thermus thermophilus</i> Strains. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1352-1358.	3.1	32
48	Temperature increase prevails over acidification in gene expression modulation of amastigote differentiation in <i>Leishmania infantum</i> . <i>BMC Genomics</i> , 2010, 11, 31.	2.8	55
49	Environmental transcriptome analysis reveals physiological differences between biofilm and planktonic modes of life of the iron oxidizing bacteria <i>Leptospirillum</i> spp. in their natural microbial community. <i>BMC Genomics</i> , 2010, 11, 404.	2.8	59
50	Transcriptomics throughout the life cycle of <i>Leishmania infantum</i> : High down-regulation rate in the amastigote stage. <i>International Journal for Parasitology</i> , 2010, 40, 1497-1516.	3.1	77
51	The <i>Mycobacterium tuberculosis</i> Sigma Factor $\sigma^B$ Is Required for Full Response to Cell Envelope Stress and Hypoxia In Vitro, but It Is Dispensable for In Vivo Growth. <i>Journal of Bacteriology</i> , 2009, 191, 5628-5633.	2.2	66
52	Genome-wide analysis reveals increased levels of transcripts related with infectivity in peanut lectin non-agglutinated promastigotes of <i>Leishmania infantum</i> . <i>Genomics</i> , 2009, 93, 551-564.	2.9	50
53	The environmental fate of organic pollutants through the global microbial metabolism. <i>Molecular Systems Biology</i> , 2007, 3, 114.	7.2	43
54	Scoring docking models with evolutionary information. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 60, 275-280.	2.6	41

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55	Accessible Protein Interaction Data for Network Modeling. Structure of the Information and Available Repositories. Lecture Notes in Computer Science, 2005, , 1-13.	1.3	3
56	The Biodegradation Network, a New Scenario for Computational Systems Biology Research. Lecture Notes in Computer Science, 2005, , 252-256.	1.3	0
57	Hyperglycosylation of glycopeptidolipid of Mycobacterium smegmatis under nutrient starvation: structural studies. Microbiology (United Kingdom), 2005, 151, 2385-2392.	1.8	32
58	Gene order in Prokaryotes: conservation and implications. , 2004, , 209-237.		3
59	Prediction of Functional Sites in Proteins by Evolutionary Methods. Principles and Practice, 2004, , 319-340.	0.3	8
60	Role of the extracytoplasmic $\sigma$ Factor $\sigma^{H}$ in Mycobacterium tuberculosis global gene expression. Molecular Microbiology, 2002, 45, 365-374.	2.5	263
61	Characterization of the Secreted MPT53 Antigen of Mycobacterium tuberculosis. Infection and Immunity, 2001, 69, 5936-5939.	2.2	12
62	Identification of Secreted Proteins of Mycobacterium tuberculosis by a Bioinformatic Approach. Infection and Immunity, 2000, 68, 2323-2327.	2.2	104
63	Use of Coagulase Gene (coa) Repeat Region Nucleotide Sequences for Typing of Methicillin-Resistant Staphylococcus aureus Strains. Journal of Clinical Microbiology, 2000, 38, 3453-3456.	3.9	83
64	Evaluation of Protein A Gene Polymorphic Region DNA Sequencing for Typing of Staphylococcus aureus Strains. Journal of Clinical Microbiology, 1999, 37, 3556-3563.	3.9	898
65	Identification and characterization of two divergently transcribed iron regulated genes in Mycobacterium tuberculosis. Tubercle and Lung Disease, 1999, 79, 287-298.	2.1	50
66	, an essential gene at the cluster of codes for a cytoplasmic protein with methyltransferase activity. Biochimie, 1999, 81, 879-888.	2.6	37
67	Transcriptional Control of the Iron-Responsive <i>fbxA</i> Gene by the Mycobacterial Regulator IdeR. Journal of Bacteriology, 1999, 181, 3402-3408.	2.2	92
68	Extra and intracellular expression of Mycobacterium tuberculosis genes. Tubercle and Lung Disease, 1998, 79, 91-97.	2.1	13
69	Regulation of transcription of cell division genes in the Escherichia coli dcw cluster. Cellular and Molecular Life Sciences, 1998, 54, 317-324.	5.4	77
70	<i>sigA</i> is an essential gene in Mycobacterium smegmatis. Molecular Microbiology, 1998, 29, 617-628.	2.5	84
71	Identification of a new $\sigma^B$ -controlled gene, <i>csbX</i> , in Bacillus subtilis. Gene, 1997, 188, 29-33.	2.2	7
72	Expression of the Bacillus subtilis <i>spoIVB</i> gene is under dual $\sigma^F/\sigma^G$ control. Microbiology (United Kingdom), 1997, 141, 1011-1016.	1.8	23

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73	Transcription of spoIVB is the only role of sigma G that is essential for pro-sigma K processing during spore formation in Bacillus subtilis. Journal of Bacteriology, 1995, 177, 4825-4827.	2.2	38
74	Variations in the Metabolism of Peptidoglycan Prior to Polymerization. , 1993, , 127-138.		0
75	Membrane intermediates in the peptidoglycan metabolism of Escherichia coli: possible roles of PBP 1b and PBP 3. Journal of Bacteriology, 1992, 174, 3549-3557.	2.2	151
76	Nucleotide sequence of the regulatory region of the gene pbpB of Escherichia coli. Nucleic Acids Research, 1990, 18, 2813-2813.	14.5	8
77	A new beta-lactam-binding protein derived from penicillin-binding protein 3 of Escherichia coli. Journal of Bacteriology, 1989, 171, 5194-5198.	2.2	9
78	Evaluation of Glycosylated Hemoglobin in Diabetic Patients. Diabetes, 1981, 30, 613-617.	0.6	277
79	Gene Expression and Regulation. , 0, , 59-92.		3