JosÃ© MuÃ±oz-Dorado

List of Publications by Year
in descending order

44 papers	3,534 citations	304743 22 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	4144 citing authors

#	Article	IF	Citations
1	Biodegradation and biological treatments of cellulose, hemicellulose and lignin: an overview. International Microbiology, 2002, 5, 53-63.	2.4	1,195
2	Complete genome sequence of the myxobacterium Sorangium cellulosum. Nature Biotechnology, 2007, 25, 1281-1289.	17.5	354
3	Myxobacteria: Moving, Killing, Feeding, and Surviving Together. Frontiers in Microbiology, 2016, 7, 781.	3.5	274
4	A gene encoding a protein serine/threonine kinase is required for normal development of M. xanthus, a gram-negative bacterium. Cell, 1991, 67, 995-1006.	28.9	264
5	Bacterial predation: 75 years and counting!. Environmental Microbiology, 2016, 18, 766-779.	3.8	190
6	Crystal Structure of Myxococcus xanthus Nucleoside Diphosphate Kinase and its Interaction with a Nucleotide Substrate at 2Â·0 Ã... Resolution. Journal of Molecular Biology, 1993, 234, 1230-1247.	4.2	122
7	Eukaryotic-like protein kinases in the prokaryotes and the myxobacterial kinome. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15950-15955.	7.1	105
8	<scp>PomZ</scp>, a <scp>ParA</scp>â€like protein, regulates <scp>Z</scp>â€ring formation and cell division in <scp>M</scp>yxococcus xanthus. Molecular Microbiology, 2013, 87, 235-253.	2.5	103
9	Myxococcus xanthus induces actinorhodin overproduction and aerial mycelium formation by Streptomyces coelicolor. Microbial Biotechnology, 2011, 4, 175-183.	4.2	86
10	Identification of a putative eukaryotic-like protein kinase family in the developmental bacterium Myxococcus xanthus. Journal of Bacteriology, 1992, 174, 5450-5453.	2.2	66
11	Autophosphorylation of nucleoside diphosphate kinase from Myxococcus xanthus. Journal of Bacteriology, 1993, 175, 1176-1181.	2.2	65
12	Myxococcus xanthus, a gram-negative bacterium, contains a transmembrane protein serine/threonine kinase that blocks the secretion of beta-lactamase by phosphorylation.. Genes and Development, 1995, 9, 972-983.	5.9	58
13	Rhizobial galactoglucan determines the predatory pattern of <scp>M</scp>yxococcus xanthus and protects <scp>S</scp>inorhizobium meliloti from predation. Environmental Microbiology, 2014, 16, 2341-2350.	3.8	56
14	CorE from Myxococcus xanthus Is a Copper-Dependent RNA Polymerase Sigma Factor. PLoS Genetics, 2011, 7, e1002106.	3.5	49
15	The antibiotic crisis: How bacterial predators can help. Computational and Structural Biotechnology Journal, 2020, 18, 2547-2555.	4.1	45
16	A Large Family of Eukaryotic-Like Protein Ser/Thr Kinases ofMyxococcus xanthus, a Developmental Bacterium. Microbial & Comparative Genomics, 2000, 5, 103-120.	0.4	41
17	Copper induction of carotenoid synthesis in the bacterium Myxococcus xanthus. Molecular Microbiology, 2005, 56, 1159-1168.	2.5	34
18	Eukaryotic-like protein serine/threonine kinases inMyxococcus xanthus, a developmental bacterium exhibiting social behavior. Journal of Cellular Biochemistry, 1993, 51, 29-33.	2.6	33

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19	Differential Expression of the Three Multicopper Oxidases from Myxococcus xanthus. Journal of Bacteriology, 2007, 189, 4887-4898.	2.2	31
20	Differential Regulation of Six Heavy Metal Efflux Systems in the Response of Myxococcus xanthus to Copper. Applied and Environmental Microbiology, 2010, 76, 6069-6076.	3.1	31
21	Transcriptome dynamics of the Myxococcus xanthus multicellular developmental program. ELife, 2019, 8, .	6.0	31
22	Comprehensive Set of Integrative Plasmid Vectors for Copper-Inducible Gene Expression in Myxococcus xanthus. Applied and Environmental Microbiology, 2012, 78, 2515-2521.	3.1	29
23	In depth analysis of the mechanism of action of metal-dependent sigma factors: characterization of CorE2 fromMyxococcus xanthus. Nucleic Acids Research, 2016, 44, 5571-5584.	14.5	28
24	Characterization of manganese-dependent peroxidase isoenzymes from the ligninolytic fungus Phanerochaete flavido-alba. Research in Microbiology, 2002, 153, 547-554.	2.1	23
25	Oar, a 115-kilodalton membrane protein required for development of Myxococcus xanthus. Journal of Bacteriology, 1993, 175, 4756-4763.	2.2	22
26	Metalâ€responsive RNA polymerase extracytoplasmic function (ECF) sigma factors. Molecular Microbiology, 2019, 112, 385-398.	2.5	21
27	Expression and Physiological Role of Three Myxococcus xanthus Copper-Dependent P _{1B} -Type ATPases during Bacterial Growth and Development. Applied and Environmental Microbiology, 2010, 76, 6077-6084.	3.1	19
28	Copper and Melanin Play a Role in Myxococcus xanthus Predation on Sinorhizobium meliloti. Frontiers in Microbiology, 2020, 11, 94.	3.5	18
29	The complex global response to copper in the multicellular bacteriumMyxococcus xanthus. Metallomics, 2018, 10, 876-886.	2.4	16
30	Role of Two Novel Two-Component Regulatory Systems in Development and Phosphatase Expression in Myxococcus xanthus. Journal of Bacteriology, 2003, 185, 1376-1383.	2.2	15
31	Identification of cis- and frans-acting elements involved in the expression of cold shock-inducibleTIP1gene of yeastSaccharomyces cerevisiae. Nucleic Acids Research, 1994, 22, 560-568.	14.5	13
32	The Myxococcus xanthus Two-Component System CorSR Regulates Expression of a Gene Cluster Involved in Maintaining Copper Tolerance during Growth and Development. PLoS ONE, 2013, 8, e68240.	2.5	13
33	Dissection of the sensor domain of the copper-responsive histidine kinase CorS fromMyxococcus xanthus. Environmental Microbiology Reports, 2016, 8, 363-370.	2.4	12
34	A novel mechanism of bacterial adaptation mediated by copper-dependent RNA polymerase ÏƒÂ factors. Transcription, 2012, 3, 63-67.	3.1	9
35	Glycerol 3-Phosphate Inhibits Swarming and Aggregation of Myxococcus xanthus. Journal of Bacteriology, 2001, 183, 6135-6139.	2.2	8
36	Crystallization and preliminary X-ray diffraction analysis of nucleoside diphosphate kinase from Myxococcus xanthus. Journal of Molecular Biology, 1991, 220, 5-7.	4.2	7

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37	PhoR1-PhoP1, a Third Two-Component System of the Family PhoRP from Myxococcus xanthus : Role in Development. Journal of Bacteriology, 2005, 187, 4976-4983.	2.2	7
38	Mechanisms of Action of Non-Canonical ECF Sigma Factors. International Journal of Molecular Sciences, 2022, 23, 3601.	4.1	6
39	mlpB, a gene encoding a new lipoprotein in Myxococcus xanthus. Journal of Applied Microbiology, 2002, 92, 134-139.	3.1	4
40	phoR1, a gene encoding a new histidine protein kinase Myxococcus xanthus. Antonie Van Leeuwenhoek, 2003, 83, 361-368.	1.7	4
41	Myxococcus xanthus Pph2 Is a Manganese-dependent Protein Phosphatase Involved in Energy Metabolism. Journal of Biological Chemistry, 2009, 284, 28720-28728.	3.4	3
42	Protein Ser/Thr Kinases and Phosphatases in Myxococcus xanthus. , 2014, , 191-210.		3
43	Identification of the Myxococcus xanthus 59-kDa membrane-associated GTP-binding protein as a proton-translocating ATPase. Gene, 1994, 138, 133-137.	2.2	1
44	Pkn1. , 1995, , 356-357.		0