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	Mechanisms of Action of Non-Canonical ECF Sigma Factors. International Journal of Molecular Sciences, 2022, 23, 3601.	4.1	6
2	The antibiotic crisis: How bacterial predators can help. Computational and Structural Biotechnology Journal, 2020, 18, 2547-2555.	4.1	45
3	Copper and Melanin Play a Role in Myxococcus xanthus Predation on Sinorhizobium meliloti. Frontiers in Microbiology, 2020, 11, 94.	3.5	18
4	Metalâ€responsive RNA polymerase extracytoplasmic function (ECF) sigma factors. Molecular Microbiology, 2019, 112, 385-398.	2.5	21
5	Transcriptome dynamics of the Myxococcus xanthus multicellular developmental program. ELife, 2019, 8, .	6.0	31
6	The complex global response to copper in the multicellular bacteriumMyxococcus xanthus. Metallomics, 2018, 10, 876-886.	2.4	16
7	Myxobacteria: Moving, Killing, Feeding, and Surviving Together. Frontiers in Microbiology, 2016, 7, 781.	3.5	274
8	Dissection of the sensor domain of the copper-responsive histidine kinase CorS fromMyxococcus xanthus. Environmental Microbiology Reports, 2016, 8, 363-370.	2.4	12
9	Bacterial predation: 75 years and counting!. Environmental Microbiology, 2016, 18, 766-779.	3.8	190
10	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
11	Protein Ser/Thr Kinases and Phosphatases in Myxococcus xanthus. , 2014, , 191-210.		3
12	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
13	<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
14	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
15	A novel mechanism of bacterial adaptation mediated by copper-dependent RNA polymerase Ïƒ factors. Transcription, 2012, 3, 63-67.	3.1	9
16	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
17	Myxococcus xanthus induces actinorhodin overproduction and aerial mycelium formation by Streptomyces coelicolor. Microbial Biotechnology, 2011, 4, 175-183.	4.2	86
18	CorE from Myxococcus xanthus Is a Copper-Dependent RNA Polymerase Sigma Factor. PLoS Genetics, 2011, 7, e1002106.	3.5	49

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19	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
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	Myxococcus xanthus Pph2 Is a Manganese-dependent Protein Phosphatase Involved in Energy Metabolism. Journal of Biological Chemistry, 2009, 284, 28720-28728.	3.4	3
22	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
23	Differential Expression of the Three Multicopper Oxidases from Myxococcus xanthus. Journal of Bacteriology, 2007, 189, 4887-4898.	2.2	31
24	Complete genome sequence of the myxobacterium Sorangium cellulosum. Nature Biotechnology, 2007, 25, 1281-1289.	17.5	354
25	Copper induction of carotenoid synthesis in the bacterium Myxococcus xanthus. Molecular Microbiology, 2005, 56, 1159-1168.	2.5	34
26	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
27	phoR1, a gene encoding a new histidine protein kinase Myxococcus xanthus. Antonie Van Leeuwenhoek, 2003, 83, 361-368.	1.7	4
28	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
29	Characterization of manganese-dependent peroxidase isoenzymes from the ligninolytic fungus Phanerochaete flavido-alba. Research in Microbiology, 2002, 153, 547-554.	2.1	23
30	Biodegradation and biological treatments of cellulose, hemicellulose and lignin: an overview. International Microbiology, 2002, 5, 53-63.	2.4	1,195
31	mlpB, a gene encoding a new lipoprotein in Myxococcus xanthus. Journal of Applied Microbiology, 2002, 92, 134-139.	3.1	4
32	Glycerol 3-Phosphate Inhibits Swarming and Aggregation of Myxococcus xanthus. Journal of Bacteriology, 2001, 183, 6135-6139.	2.2	8
33	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
34	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
35	Pkn1. , 1995, , 356-357.		0
36	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

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37	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
38	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
39	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
40	Autophosphorylation of nucleoside diphosphate kinase from Myxococcus xanthus. Journal of Bacteriology, 1993, 175, 1176-1181.	2.2	65
41	Oar, a 115-kilodalton membrane protein required for development of Myxococcus xanthus. Journal of Bacteriology, 1993, 175, 4756-4763.	2.2	22
42	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
43	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
44	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