

Juana PÃ©rez

List of Publications by Year in descending order

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46
papers

3,675
citations

257101

24
h-index

243296

44
g-index

50
all docs

50
docs citations

50
times ranked

4342
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradation and biological treatments of cellulose, hemicellulose and lignin: an overview. <i>International Microbiology</i> , 2002, 5, 53-63.	1.1	1,195
2	Complete genome sequence of the myxobacterium <i>Sorangium cellulosum</i> . <i>Nature Biotechnology</i> , 2007, 25, 1281-1289.	9.4	354
3	Myxobacteria: Moving, Killing, Feeding, and Surviving Together. <i>Frontiers in Microbiology</i> , 2016, 7, 781.	1.5	274
4	Roles of manganese and organic acid chelators in regulating lignin degradation and biosynthesis of peroxidases by <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 1992, 58, 2402-2409.	1.4	222
5	Bacterial predation: 75 years and counting!. <i>Environmental Microbiology</i> , 2016, 18, 766-779.	1.8	190
6	Mineralization of ¹⁴ C-Ring-Labeled Synthetic Lignin Correlates with the Production of Lignin Peroxidase, not of Manganese Peroxidase or Laccase. <i>Applied and Environmental Microbiology</i> , 1990, 56, 1806-1812.	1.4	117
7	Eukaryotic-like protein kinases in the prokaryotes and the myxobacterial kinome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15950-15955.	3.3	105
8	Phenolic content and antibacterial activity of olive oil waste waters. <i>Environmental Toxicology and Chemistry</i> , 1992, 11, 489-495.	2.2	104
9	Effect of extracts obtained from olive oil mill waste waters on <i>Bacillus megaterium</i> ATCC 33085. <i>Journal of Applied Bacteriology</i> , 1988, 64, 219-226.	1.1	93
10	<i>Myxococcus xanthus</i> induces actinorhodin overproduction and aerial mycelium formation by <i>Streptomyces coelicolor</i> . <i>Microbial Biotechnology</i> , 2011, 4, 175-183.	2.0	86
11	Low molecular weight phenolics attenuation during simulated treatment of wastewaters from olive oil mills in evaporation ponds. <i>Water Research</i> , 1992, 26, 1261-1266.	5.3	78
12	Effect of waste waters from olive oil extraction plants on the bacterial population of soil. <i>Chemosphere</i> , 1986, 15, 659-664.	4.2	73
13	<i>Phanerochaete flavido-alba</i> Laccase Induction and Modification of Manganese Peroxidase Isoenzyme Pattern in Decolorized Olive Oil Mill Wastewaters. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2726-2729.	1.4	58
14	Rhizobial galactoglucan determines the predatory pattern of <i>Myxococcus xanthus</i> and protects <i>Sinorhizobium meliloti</i> from predation. <i>Environmental Microbiology</i> , 2014, 16, 2341-2350.	1.8	56
15	CorE from <i>Myxococcus xanthus</i> Is a Copper-Dependent RNA Polymerase Sigma Factor. <i>PLoS Genetics</i> , 2011, 7, e1002106.	1.5	49
16	The antibiotic crisis: How bacterial predators can help. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2547-2555.	1.9	45
17	Copper induction of carotenoid synthesis in the bacterium <i>Myxococcus xanthus</i> . <i>Molecular Microbiology</i> , 2005, 56, 1159-1168.	1.2	34
18	Differential Expression of the Three Multicopper Oxidases from <i>Myxococcus xanthus</i> . <i>Journal of Bacteriology</i> , 2007, 189, 4887-4898.	1.0	31

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19	Differential Regulation of Six Heavy Metal Efflux Systems in the Response of <i>Myxococcus xanthus</i> to Copper. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6069-6076.	1.4	31
20	Purification and Partial Characterization of a Laccase from the White Rot Fungus <i>Phanerochaete flavidio-alba</i> . <i>Applied and Environmental Microbiology</i> , 1996, 62, 4263-4267.	1.4	31
21	Transcriptome dynamics of the <i>Myxococcus xanthus</i> multicellular developmental program. <i>ELife</i> , 2019, 8, .	2.8	31
22	Apurinic/aprimidinic endonuclease genes from the Trypanosomatidae <i>Leishmania major</i> and <i>Trypanosoma cruzi</i> confer resistance to oxidizing agents in DNA repair-deficient <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 1999, 27, 771-777.	6.5	30
23	Comprehensive Set of Integrative Plasmid Vectors for Copper-Inducible Gene Expression in <i>Myxococcus xanthus</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 2515-2521.	1.4	29
24	In depth analysis of the mechanism of action of metal-dependent sigma factors: characterization of CorE2 from <i>Myxococcus xanthus</i> . <i>Nucleic Acids Research</i> , 2016, 44, 5571-5584.	6.5	28
25	Role of organic acid chelators in manganese regulation of lignin degradation by <i>Phanerochaete chrysosporium</i> . <i>Applied Biochemistry and Biotechnology</i> , 1993, 39-40, 227-238.	1.4	27
26	Characterization of deoxyuridine 5'-triphosphate nucleotidohydrolase from <i>Trypanosoma cruzi</i> . <i>FEBS Letters</i> , 2002, 526, 147-150.	1.3	23
27	Characterization of manganese-dependent peroxidase isoenzymes from the ligninolytic fungus <i>Phanerochaete flavidio-alba</i> . <i>Research in Microbiology</i> , 2002, 153, 547-554.	1.0	23
28	Effect of olive oil mill wastewater on extracellular ligninolytic enzymes produced by <i>Phanerochaete flavidio-alba</i> . <i>FEMS Microbiology Letters</i> , 2002, 212, 41-45.	0.7	23
29	Regulation of Ligninase Production in White-Rot Fungi. <i>ACS Symposium Series</i> , 1991, , 200-206.	0.5	21
30	Metal-responsive RNA polymerase extracytoplasmic function (ECF) sigma factors. <i>Molecular Microbiology</i> , 2019, 112, 385-398.	1.2	21
31	<i>Phanerochaete flavidio-alba</i> ligninolytic activities and decolorization of partially bio-depurated paper mill wastes. <i>Water Research</i> , 1997, 31, 495-502.	5.3	20
32	Expression and Physiological Role of Three <i>Myxococcus xanthus</i> Copper-Dependent P _{1B} -Type ATPases during Bacterial Growth and Development. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6077-6084.	1.4	19
33	Copper and Melanin Play a Role in <i>Myxococcus xanthus</i> Predation on <i>Sinorhizobium meliloti</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 94.	1.5	18
34	The complex global response to copper in the multicellular bacterium <i>Myxococcus xanthus</i> . <i>Metallomics</i> , 2018, 10, 876-886.	1.0	16
35	Bacteria degrading phenolic acids isolated on a polymeric phenolic pigment. <i>Journal of Applied Bacteriology</i> , 1990, 69, 38-42.	1.1	15
36	Role of Two Novel Two-Component Regulatory Systems in Development and Phosphatase Expression in <i>Myxococcus xanthus</i> . <i>Journal of Bacteriology</i> , 2003, 185, 1376-1383.	1.0	15

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37	The <i>Myxococcus xanthus</i> Two-Component System CorSR Regulates Expression of a Gene Cluster Involved in Maintaining Copper Tolerance during Growth and Development. <i>PLoS ONE</i> , 2013, 8, e68240.	1.1	13
38	Dissection of the sensor domain of the copper-responsive histidine kinase CorS from <i>Myxococcus xanthus</i> . <i>Environmental Microbiology Reports</i> , 2016, 8, 363-370.	1.0	12
39	Properties of a laccase produced by <i>Phanerochaete flavido-alba</i> induced by vanillin. <i>Archives of Microbiology</i> , 2002, 179, 70-73.	1.0	10
40	A novel mechanism of bacterial adaptation mediated by copper-dependent RNA polymerase σ factors. <i>Transcription</i> , 2012, 3, 63-67.	1.7	9
41	PhoR1-PhoP1, a Third Two-Component System of the Family PhoRP from <i>Myxococcus xanthus</i> : Role in Development. <i>Journal of Bacteriology</i> , 2005, 187, 4976-4983.	1.0	7
42	Editorial: Mechanisms of Prokaryotic Predation. <i>Frontiers in Microbiology</i> , 2020, 11, 2071.	1.5	6
43	Mechanisms of Action of Non-Canonical ECF Sigma Factors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3601.	1.8	6
44	<i>Myxococcus xanthus</i> Pph2 Is a Manganese-dependent Protein Phosphatase Involved in Energy Metabolism. <i>Journal of Biological Chemistry</i> , 2009, 284, 28720-28728.	1.6	3
45	Phenolic content and antibacterial activity of olive oil waste waters. , 1992, 11, 489.		3
46	Fungal Lignocellulolytic Enzymes: Applications in Biodegradation and Bioconversion. , 2011, , 28-44.		1