

Ramon I Santamaria

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Grapevine Xylem Sap Is a Potent Elicitor of Antibiotic Production in <i>Streptomyces</i> spp.. <i>Antibiotics</i> , 2022, 11, 672.	3.7	1
2	Antibiotic Production and Antibiotic Resistance: The Two Sides of AbrB1/B2, a Two-Component System of <i>Streptomyces coelicolor</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 587750.	3.5	6
3	Preparation of a robust immobilized biocatalyst of β -1,4-endoxylanase by surface coating with polymers for production of xylooligosaccharides from different xylan sources. <i>New Biotechnology</i> , 2018, 44, 50-58.	4.4	18
4	The XRE-DUF397 Protein Pair, Scr1 and Scr2, Acts as a Strong Positive Regulator of Antibiotic Production in <i>Streptomyces</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2791.	3.5	12
5	Uncovering production of specialized metabolites by <i>Streptomyces argillaceus</i> : Activation of cryptic biosynthesis gene clusters using nutritional and genetic approaches. <i>PLoS ONE</i> , 2018, 13, e0198145.	2.5	51
6	Designing continuous flow reaction of xylan hydrolysis for xylooligosaccharides production in packed-bed reactors using xylanase immobilized on methacrylic polymer-based supports. <i>Bioresource Technology</i> , 2018, 266, 249-258.	9.6	41
7	The Orphan Response Regulator Aor1 Is a New Relevant Piece in the Complex Puzzle of <i>Streptomyces coelicolor</i> Antibiotic Regulatory Network. <i>Frontiers in Microbiology</i> , 2017, 8, 2444.	3.5	26
8	Development of an antibiotic marker-free platform for heterologous protein production in <i>Streptomyces</i> . <i>Microbial Cell Factories</i> , 2017, 16, 164.	4.0	10
9	New approaches to achieve high level enzyme production in <i>Streptomyces lividans</i> . <i>Microbial Cell Factories</i> , 2016, 15, 28.	4.0	54
10	The two kinases, AbrC1 and AbrC2, of the atypical two-component system AbrC are needed to regulate antibiotic production and differentiation in <i>Streptomyces coelicolor</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 450.	3.5	31
11	Toward a new focus in antibiotic and drug discovery from the <i>Streptomyces</i> arsenal. <i>Frontiers in Microbiology</i> , 2015, 6, 461.	3.5	54
12	Regulation of the AbrA1/A2 Two-Component System in <i>Streptomyces coelicolor</i> and the Potential of Its Deletion Strain as a Heterologous Host for Antibiotic Production. <i>PLoS ONE</i> , 2014, 9, e109844.	2.5	26
13	Deciphering the Regulon of <i>Streptomyces coelicolor</i> AbrC3, a Positive Response Regulator of Antibiotic Production. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2417-2428.	3.1	39
14	Stable expression plasmids for <i>Streptomyces</i> based on a toxin-antitoxin system. <i>Microbial Cell Factories</i> , 2013, 12, 39.	4.0	18
15	Two-component systems in <i>Streptomyces</i> : key regulators of antibiotic complex pathways. <i>Microbial Cell Factories</i> , 2013, 12, 127.	4.0	93
16	High level of antibiotic production in a double polyphosphate kinase and phosphate-binding protein mutant of <i>Streptomyces lividans</i> . <i>FEMS Microbiology Letters</i> , 2013, 342, 123-129.	1.8	6
17	Production of xylo-oligosaccharides by immobilized-stabilized derivatives of endo-xylanase from <i>Streptomyces halstedii</i> . <i>Process Biochemistry</i> , 2013, 48, 478-483.	3.7	29
18	Identification of the First Functional Toxin-Antitoxin System in <i>Streptomyces</i> . <i>PLoS ONE</i> , 2012, 7, e32977.	2.5	40

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19	<i>Myxococcus xanthus</i> induces actinorhodin overproduction and aerial mycelium formation by <i>Streptomyces coelicolor</i> . <i>Microbial Biotechnology</i> , 2011, 4, 175-183.	4.2	86
20	Post-translational processing of modular xylanases from <i>Streptomyces</i> is dependent on the carbohydrate-binding module. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1419-1426.	3.0	0
21	Novel Two-Component Systems Implied in Antibiotic Production in <i>Streptomyces coelicolor</i> . <i>PLoS ONE</i> , 2011, 6, e19980.	2.5	62
22	Improvement of protein production in <i>Streptomyces</i> . <i>Journal of Biotechnology</i> , 2010, 150, 375-375.	3.8	0
23	Robust reporter system based on chalcone synthase <i>rppA</i> gene from <i>Saccharopolyspora erythraea</i> . <i>Journal of Microbiological Methods</i> , 2010, 83, 111-119.	1.6	16
24	High-level overproduction of <i>Thermus</i> enzymes in <i>Streptomyces lividans</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 1001-1008.	3.6	20
25	Expression of the <i>pstS</i> gene of <i>Streptomyces lividans</i> regulated by the carbon source and is partially independent of the PhoP regulator. <i>BMC Microbiology</i> , 2008, 8, 201.	3.3	21
26	<i>Promicromonospora kroppenstedtii</i> sp. nov., isolated from sandy soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1476-1481.	1.7	20
27	Effect of carbon source on the expression of <i>celA1</i> , a cellulase-encoding gene from <i>Streptomyces halstedii</i> JM8. <i>FEMS Microbiology Letters</i> , 2006, 153, 97-103.	1.8	4
28	Identification of the sequences involved in the glucose-repressed transcription of the <i>Streptomyces halstedii</i> JM8 <i>xysA</i> promoter. <i>Gene</i> , 2005, 351, 1-9.	2.2	28
29	The high-affinity phosphate-binding protein PstS is accumulated under high fructose concentrations and mutation of the corresponding gene affects differentiation in <i>Streptomyces lividans</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 2583-2592.	1.8	51
30	SCP1, a 356â€ƒbp linear plasmid adapted to the ecology and developmental biology of its host, <i>Streptomyces coelicolor</i> A3(2). <i>Molecular Microbiology</i> , 2004, 51, 1615-1628.	2.5	108
31	Single mutations of residues outside the active center of the xylanase Xys1 from <i>Streptomyces halstedii</i> JM8 affect its activity. <i>FEMS Microbiology Letters</i> , 2004, 240, 237-243.	1.8	15
32	<i>Streptomyces lividans</i> and <i>Brevibacterium lactofermentum</i> as heterologous hosts for the production of X22 xylanase from <i>Aspergillus nidulans</i> . <i>Applied Microbiology and Biotechnology</i> , 2004, 65, 401-406.	3.6	20
33	Improved vectors for transcriptional/translational signal screening in corynebacteria using the <i>melC</i> operon from <i>Streptomyces glaucescens</i> as reporter. <i>Archives of Microbiology</i> , 2003, 180, 53-59.	2.2	25
34	Structure of xylanase Xys1 from <i>Streptomyces halstedii</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1447-1453.	2.5	22
35	Posttranslational processing of the xylanase Xys1L from <i>Streptomyces halstedii</i> JM8 is carried out by secreted serine proteases. <i>Microbiology (United Kingdom)</i> , 2003, 149, 1623-1632.	1.8	29
36	Radamycin, a Novel Thiopeptide Produced by <i>Streptomyces</i> sp. RSP9. I. Taxonomy, Fermentation, Isolation and Biological Activities.. <i>Journal of Antibiotics</i> , 2002, 55, 383-390.	2.0	19

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37	Radamycin, a Novel Thiopeptide Produced by <i>Streptomyces</i> sp. RSP9. II. Physico-chemical Properties and Structure Determination.. <i>Journal of Antibiotics</i> , 2002, 55, 391-395.	2.0	17
38	Morphological and physiological changes in <i>Streptomyces lividans</i> induced by different yeasts. <i>Archives of Microbiology</i> , 2002, 177, 259-266.	2.2	6
39	Expression of the genes coding for the xylanase Xys1 and the cellulase Cel1 from the straw-decomposing <i>Streptomyces halstedii</i> JM8 cloned into the amino-acid producer <i>Brevibacterium lactofermentum</i> ATCC13869. <i>Archives of Microbiology</i> , 2001, 177, 91-97.	2.2	50
40	Thermodynamic stability of two variants of xylanase (Xys1) from <i>Streptomyces halstedii</i> JM8. <i>FEBS Journal</i> , 1998, 253, 462-468.	0.2	24
41	Two genes encoding an endoglucanase and a cellulose-binding protein are clustered and co-regulated by a TTA codon in <i>Streptomyces halstedii</i> JM8. <i>Biochemical Journal</i> , 1997, 324, 403-411.	3.7	30
42	Effect of carbon source on the expression of celA1, a cellulase-encoding gene from <i>Streptomyces halstedii</i> JM8. <i>FEMS Microbiology Letters</i> , 1997, 153, 97-103.	1.8	7
43	Analysis of xysA, a gene from <i>Streptomyces halstedii</i> JM8 that encodes a 45-kilodalton modular xylanase, Xys1. <i>Applied and Environmental Microbiology</i> , 1997, 63, 2983-2988.	3.1	31
44	A cellulase gene from a new alkalophilic <i>Bacillus</i> sp. (strain N186-1). Its cloning, nucleotide sequence and expression in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 1996, 46, 149-155.	3.6	30
45	Overproduction, purification, and biochemical characterization of a xylanase (Xys1) from <i>Streptomyces halstedii</i> JM8. <i>Applied and Environmental Microbiology</i> , 1995, 61, 2414-2419.	3.1	65
46	Differential scanning calorimetric study of the thermal stability of xylanase from <i>Streptomyces halstedii</i> JM8. <i>Biochemistry</i> , 1994, 33, 13787-13791.	2.5	18
47	Cloning and DNA sequencing of bgaA, a gene encoding an endo-beta-1,3-1,4-glucanase, from an alkalophilic <i>Bacillus</i> strain (N137). <i>Applied and Environmental Microbiology</i> , 1994, 60, 1213-1220.	3.1	27
48	Purification and characterization of a phenoloxidase (laccase) from the lignin-degrading basidiomycete PM1 (CECT 2971). <i>Applied and Environmental Microbiology</i> , 1993, 59, 2607-2613.	3.1	210
49	Extracellular complementation of a developmental mutation implicates a small sporulation protein in aerial mycelium formation by <i>S. coelicolor</i> . <i>Cell</i> , 1991, 65, 641-650.	28.9	183
50	Visualizing Gene Expression in Time and Space in the Filamentous Bacterium <i>Streptomyces coelicolor</i> . <i>Science</i> , 1988, 240, 768-772.	12.6	95
51	Promoter determining the timing and spatial localization of transcription of a cloned <i>Streptomyces coelicolor</i> gene encoding a spore-associated polypeptide. <i>Journal of Bacteriology</i> , 1988, 170, 1895-1901.	2.2	75
52	Identification of a promoter sequence in the plasmid pUL340 of <i>Brevibacterium lactofermentum</i> and construction of new cloning vectors for corynebacteria containing two selectable markers. <i>Gene</i> , 1987, 56, 199-208.	2.2	33
53	Cloning Systems in Amino Acid-Producing Corynebacteria. <i>Nature Biotechnology</i> , 1987, 5, 137-146.	17.5	48
54	High-frequency transformation of <i>Brevibacterium lactofermentum</i> protoplasts by plasmid DNA. <i>Journal of Bacteriology</i> , 1985, 162, 463-467.	2.2	89