# Ramon I Santamaria

List of Publications by Year
in descending order

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|---|---|---|---|
| 54 papers | 2,141 citations | 218677 26 h-index | 233421 45 g-index |
| 56 all docs | 56 docs citations | 56 times ranked | 1764 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Purification and characterization of a phenoloxidase (laccase) from the lignin-degrading basidiomycete PM1 (CECT 2971). Applied and Environmental Microbiology, 1993, 59, 2607-2613. | 3.1 | 210 |
| 2 | Extracellular complementation of a developmental mutation implicates a small sporulation protein in aerial mycelium formation by S. coelicolor. Cell, 1991, 65, 641-650. | 28.9 | 183 |
| 3 | SCP1, a 356â€ƒ023â€ƒbp linear plasmid adapted to the ecology and developmental biology of its host, Streptomyces coelicolor A3(2). Molecular Microbiology, 2004, 51, 1615-1628. | 2.5 | 108 |
| 4 | Visualizing Gene Expression in Time and Space in the Filamentous Bacterium Streptomyces coelicolor. Science, 1988, 240, 768-772. | 12.6 | 95 |
| 5 | Two-component systems in Streptomyces: key regulators of antibiotic complex pathways. Microbial Cell Factories, 2013, 12, 127. | 4.0 | 93 |
| 6 | High-frequency transformation of Brevibacterium lactofermentum protoplasts by plasmid DNA. Journal of Bacteriology, 1985, 162, 463-467. | 2.2 | 89 |
| 7 | Myxococcus xanthus induces actinorhodin overproduction and aerial mycelium formation by Streptomyces coelicolor. Microbial Biotechnology, 2011, 4, 175-183. | 4.2 | 86 |
| 8 | Promoter determining the timing and spatial localization of transcription of a cloned Streptomyces coelicolor gene encoding a spore-associated polypeptide. Journal of Bacteriology, 1988, 170, 1895-1901. | 2.2 | 75 |
| 9 | Overproduction, purification, and biochemical characterization of a xylanase (Xys1) from Streptomyces halstedii JM8. Applied and Environmental Microbiology, 1995, 61, 2414-2419. | 3.1 | 65 |
| 10 | Novel Two-Component Systems Implied in Antibiotic Production in Streptomyces coelicolor. PLoS ONE, 2011, 6, e19980. | 2.5 | 62 |
| 11 | Toward a new focus in antibiotic and drug discovery from the Streptomyces arsenal. Frontiers in Microbiology, 2015, 6, 461. | 3.5 | 54 |
| 12 | New approaches to achieve high level enzyme production in Streptomyces lividans. Microbial Cell Factories, 2016, 15, 28. | 4.0 | 54 |
| 13 | Uncovering production of specialized metabolites by Streptomyces argillaceus: Activation of cryptic biosynthesis gene clusters using nutritional and genetic approaches. PLoS ONE, 2018, 13, e0198145. | 2.5 | 51 |
| 14 | The high-affinity phosphate-binding protein PstS is accumulated under high fructose concentrations and mutation of the corresponding gene affects differentiation in Streptomyces lividans. Microbiology (United Kingdom), 2005, 151, 2583-2592. | 1.8 | 51 |
| 15 | Expression of the genes coding for the xylanase Xys1 and the cellulase Cel1 from the straw-decomposing Streptomyces halstedii JM8 cloned into the amino-acid producer Brevibacterium lactofermentum ATCC13869. Archives of Microbiology, 2001, 177, 91-97. | 2.2 | 50 |
| 16 | Cloning Systems in Amino Acidâ€“Producing Corynebacteria. Nature Biotechnology, 1987, 5, 137-146. | 17.5 | 48 |
| 17 | Designing continuous flow reaction of xylan hydrolysis for xylooligosaccharides production in packed-bed reactors using xylanase immobilized on methacrylic polymer-based supports. Bioresource Technology, 2018, 266, 249-258. | 9.6 | 41 |
| 18 | Identification of the First Functional Toxin-Antitoxin System in Streptomyces. PLoS ONE, 2012, 7, e32977. | 2.5 | 40 |

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|---|---|---|---|
| 19 | Deciphering the Regulon of Streptomyces coelicolor AbrC3, a Positive Response Regulator of Antibiotic Production. Applied and Environmental Microbiology, 2014, 80, 2417-2428. | 3.1 | 39 |
| 20 | Identification of a promoter sequence in the plasmid pUL340 of Brevibacterium lactofermentum and construction of new cloning vectors for corynebacteria containing two selectable markers. Gene, 1987, 56, 199-208. | 2.2 | 33 |
| 21 | The two kinases, AbrC1 and AbrC2, of the atypical two-component system AbrC are needed to regulate antibiotic production and differentiation in Streptomyces coelicolor. Frontiers in Microbiology, 2015, 6, 450. | 3.5 | 31 |
| 22 | Analysis of xysA, a gene from Streptomyces halstedii JM8 that encodes a 45-kilodalton modular xylanase, Xys1. Applied and Environmental Microbiology, 1997, 63, 2983-2988. | 3.1 | 31 |
| 23 | A cellulase gene from a new alkalophilic Bacillus sp. (strain N186-1). Its cloning, nucleotide sequence and expression in Escherichia coli. Applied Microbiology and Biotechnology, 1996, 46, 149-155. | 3.6 | 30 |
| 24 | Two genes encoding an endoglucanase and a cellulose-binding protein are clustered and co-regulated by a TTA codon in Streptomyces halstedii JM8. Biochemical Journal, 1997, 324, 403-411. | 3.7 | 30 |
| 25 | Posttranslational processing of the xylanase Xys1L from Streptomyces halstedii JM8 is carried out by secreted serine proteases. Microbiology (United Kingdom), 2003, 149, 1623-1632. | 1.8 | 29 |
| 26 | Production of xylo-oligosaccharides by immobilized-stabilized derivatives of endo-xylanase from Streptomyces halstedii. Process Biochemistry, 2013, 48, 478-483. | 3.7 | 29 |
| 27 | Identification of the sequences involved in the glucose-repressed transcription of the Streptomyces halstedii JM8 xysA promoter. Gene, 2005, 351, 1-9. | 2.2 | 28 |
| 28 | Cloning and DNA sequencing of bgaA, a gene encoding an endo-beta-1,3-1,4-glucanase, from an alkalophilic Bacillus strain (N137). Applied and Environmental Microbiology, 1994, 60, 1213-1220. | 3.1 | 27 |
| 29 | Regulation of the AbrA1/A2 Two-Component System in Streptomyces coelicolor and the Potential of Its Deletion Strain as a Heterologous Host for Antibiotic Production. PLoS ONE, 2014, 9, e109844. | 2.5 | 26 |
| 30 | The Orphan Response Regulator Aor1 Is a New Relevant Piece in the Complex Puzzle of Streptomyces coelicolor Antibiotic Regulatory Network. Frontiers in Microbiology, 2017, 8, 2444. | 3.5 | 26 |
| 31 | Improved vectors for transcriptional/translational signal screening in corynebacteria using the melC operon from Streptomyces glaucescens as reporter. Archives of Microbiology, 2003, 180, 53-59. | 2.2 | 25 |
| 32 | Thermodynamic stability of two variants of xylanase (Xys1) from Streptomyces halstedii JM8. FEBS Journal, 1998, 253, 462-468. | 0.2 | 24 |
| 33 | Structure of xylanase Xys1Î” fromStreptomyces halstedii. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1447-1453. | 2.5 | 22 |
| 34 | Expression of the pstS gene of Streptomyces lividansis regulated by the carbon source and is partially independent of the PhoP regulator. BMC Microbiology, 2008, 8, 201. | 3.3 | 21 |
| 35 | Streptomyces lividans and Brevibacterium lactofermentum as heterologous hosts for the production of X22 xylanase from Aspergillus nidulans. Applied Microbiology and Biotechnology, 2004, 65, 401-406. | 3.6 | 20 |
| 36 | High-level overproduction of Thermus enzymes in Streptomyces lividans. Applied Microbiology and Biotechnology, 2008, 79, 1001-1008. | 3.6 | 20 |

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|---|---|---|---|
| 37 | Promicromonospora kroppenstedtii sp. nov., isolated from sandy soil. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 1476-1481. | 1.7 | 20 |
| 38 | Radamycin, a Novel Thiopeptide Produced by Streptomyces sp. RSP9. I. Taxonomy, Fermentation, Isolation and Biological Activities.. Journal of Antibiotics, 2002, 55, 383-390. | 2.0 | 19 |
| 39 | Differential scanning calorimetric study of the thermal stability of xylanase from Streptomyces halstedii JM8. Biochemistry, 1994, 33, 13787-13791. | 2.5 | 18 |
| 40 | Stable expression plasmids for Streptomyces based on a toxin-antitoxin system. Microbial Cell Factories, 2013, 12, 39. | 4.0 | 18 |
| 41 | Preparation of a robust immobilized biocatalyst of Î²-1,4-endoxylanase by surface coating with polymers for production of xylooligosaccharides from different xylan sources. New Biotechnology, 2018, 44, 50-58. | 4.4 | 18 |
| 42 | Radamycin, a Novel Thiopeptide Produced by Streptomyces sp. RSP9. II. Physico-chemical Properties and Structure Determination.. Journal of Antibiotics, 2002, 55, 391-395. | 2.0 | 17 |
| 43 | Robust reporter system based on chalcone synthase rppA gene from Saccharopolyspora erythraea. Journal of Microbiological Methods, 2010, 83, 111-119. | 1.6 | 16 |
| 44 | Single mutations of residues outside the active center of the xylanase Xys1ÃŽÂ” fromStreptomyces halstediiJM8 affect its activity. FEMS Microbiology Letters, 2004, 240, 237-243. | 1.8 | 15 |
| 45 | The XRE-DUF397 Protein Pair, Scr1 and Scr2, Acts as a Strong Positive Regulator of Antibiotic Production in Streptomyces. Frontiers in Microbiology, 2018, 9, 2791. | 3.5 | 12 |
| 46 | Development of an antibiotic marker-free platform for heterologous protein production in Streptomyces. Microbial Cell Factories, 2017, 16, 164. | 4.0 | 10 |
| 47 | Effect of carbon source on the expression of celA1, a cellulase-encoding gene from Streptomyces halstedii JM8. FEMS Microbiology Letters, 1997, 153, 97-103. | 1.8 | 7 |
| 48 | Morphological and physiological changes in Streptomyces lividans induced by different yeasts. Archives of Microbiology, 2002, 177, 259-266. | 2.2 | 6 |
| 49 | High level of antibiotic production in a double polyphosphate kinase and phosphate-binding protein mutant ofStreptomyces lividans. FEMS Microbiology Letters, 2013, 342, 123-129. | 1.8 | 6 |
| 50 | Antibiotic Production and Antibiotic Resistance: The Two Sides of AbrB1/B2, a Two-Component System of Streptomyces coelicolor. Frontiers in Microbiology, 2020, 11, 587750. | 3.5 | 6 |
| 51 | Effect of carbon source on the expression of celA1, a cellulase-encoding gene from Streptomyces halstedii JM8. FEMS Microbiology Letters, 2006, 153, 97-103. | 1.8 | 4 |
| 52 | Grapevine Xylem Sap Is a Potent Elicitor of Antibiotic Production in Streptomyces spp.. Antibiotics, 2022, 11, 672. | 3.7 | 1 |
| 53 | Improvement of protein production in Streptomyces. Journal of Biotechnology, 2010, 150, 375-375. | 3.8 | 0 |
| 54 | Post-translational processing of modular xylanases from Streptomyces is dependent on the carbohydrate-binding module. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1419-1426. | 3.0 | 0 |