

Fernando Rojo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142
papers

6,482
citations

50
h-index

75
g-index

143
ext. papers

7,172
ext. citations

6.9
avg, IF

6.06
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 142 | Multiple Layered Control of the Conjugation Process of the Plasmid pLS20. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 648468 | 5.6 | 6 |
| 141 | A new global regulator that facilitates the co-metabolization of polyaromatic hydrocarbons and other nutrients in <i>Novosphingobium</i> . <i>Environmental Microbiology</i> , 2021 , 23, 2875-2877 | 5.2 | 0 |
| 140 | Expression of the ISPpu9 transposase of <i>Pseudomonas putida</i> KT2440 is regulated by two small RNAs and the secondary structure of the mRNA 5' untranslated region. <i>Nucleic Acids Research</i> , 2021 , 49, 9211-9228 | 20.1 | |
| 139 | Hydrocarbon Degraders as Pathogens 2020 , 267-281 | | |
| 138 | Enzymes for Aerobic Degradation of Alkanes in Bacteria 2019 , 117-142 | | 4 |
| 137 | Genetic Features and Regulation of n-Alkane Metabolism in Bacteria 2019 , 521-542 | | 3 |
| 136 | Hydrocarbon Degraders as Pathogens 2019 , 1-15 | | |
| 135 | Vortex ring processes allowing shape control and entrapment of antibacterial agents in GO-based particles. <i>Carbon</i> , 2019 , 147, 408-418 | 10.4 | 4 |
| 134 | Combining electrokinetic transport and bioremediation for enhanced removal of crude oil from contaminated marine sediments: Results of a long-term, mesocosm-scale experiment. <i>Water Research</i> , 2019 , 157, 381-395 | 12.5 | 21 |
| 133 | <i>Pseudomonas putida</i> KT2440 metabolism undergoes sequential modifications during exponential growth in a complete medium as compounds are gradually consumed. <i>Environmental Microbiology</i> , 2019 , 21, 2375-2390 | 5.2 | 22 |
| 132 | Influence of the Crc global regulator on substrate uptake rates and the distribution of metabolic fluxes in <i>Pseudomonas putida</i> KT2440 growing in a complete medium. <i>Environmental Microbiology</i> , 2019 , 21, 4446-4459 | 5.2 | 7 |
| 131 | Influence of the Hfq and Crc global regulators on the control of iron homeostasis in <i>Pseudomonas putida</i> . <i>Environmental Microbiology</i> , 2018 , 20, 3484-3503 | 5.2 | 11 |
| 130 | Novel regulatory mechanism of establishment genes of conjugative plasmids. <i>Nucleic Acids Research</i> , 2018 , 46, 11910-11926 | 20.1 | 5 |
| 129 | Glucose uptake in <i>Azotobacter vinelandii</i> occurs through a GluP transporter that is under the control of the CbrA/CbrB and Hfq-Crc systems. <i>Scientific Reports</i> , 2017 , 7, 858 | 4.9 | 16 |
| 128 | Traits allowing resistance to organic solvents in <i>Pseudomonas</i> . <i>Environmental Microbiology</i> , 2017 , 19, 417-419 | 5.2 | 2 |
| 127 | Differential expression of the three <i>Alcanivorax borkumensis</i> SK2 genes coding for the P450 cytochromes involved in the assimilation of hydrocarbons. <i>Environmental Microbiology Reports</i> , 2017 , 9, 797-808 | 3.7 | 6 |
| 126 | Genetic Features and Regulation of n-Alkane Metabolism in Bacteria 2017 , 1-21 | | 1 |

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| 125 | Enzymes for Aerobic Degradation of Alkanes in Bacteria 2017 , 1-25 | | 5 |
| 124 | Effect of Crc and Hfq proteins on the transcription, processing, and stability of the <i>Pseudomonas putida</i> CrcZ sRNA. <i>Rna</i> , 2016 , 22, 1902-1917 | 5.8 | 15 |
| 123 | Green Synthesis of Hierarchically Structured Silver-Polymer Nanocomposites with Antibacterial Activity. <i>Nanomaterials</i> , 2016 , 6, | 5.4 | 7 |
| 122 | Influence of the Crc regulator on the hierarchical use of carbon sources from a complete medium in <i>Pseudomonas</i> . <i>Environmental Microbiology</i> , 2016 , 18, 807-18 | 5.2 | 34 |
| 121 | The Crc/CrcZ-CrcY global regulatory system helps the integration of gluconeogenic and glycolytic metabolism in <i>Pseudomonas putida</i> . <i>Environmental Microbiology</i> , 2015 , 17, 3362-78 | 5.2 | 34 |
| 120 | Transcriptional and translational control through the 5Sleader region of the dmpR master regulatory gene of phenol metabolism. <i>Environmental Microbiology</i> , 2015 , 17, 119-33 | 5.2 | 27 |
| 119 | The role of environmental biotechnology in exploring, exploiting, monitoring, preserving, protecting and decontaminating the marine environment. <i>New Biotechnology</i> , 2015 , 32, 157-67 | 6.4 | 28 |
| 118 | The Crc and Hfq proteins of <i>Pseudomonas putida</i> cooperate in catabolite repression and formation of ribonucleic acid complexes with specific target motifs. <i>Environmental Microbiology</i> , 2015 , 17, 105-18 | 5.2 | 81 |
| 117 | Marine hydrocarbonoclastic bacteria as whole-cell biosensors for n-alkanes. <i>Microbial Biotechnology</i> , 2015 , 8, 693-706 | 6.3 | 28 |
| 116 | Features of pseudomonads growing at low temperatures: another facet of their versatility. <i>Environmental Microbiology Reports</i> , 2014 , 6, 417-26 | 3.7 | 32 |
| 115 | Protocols on Regulation of Gene Expression. <i>Springer Protocols</i> , 2014 , 29-50 | 0.3 | 1 |
| 114 | A complex genetic switch involving overlapping divergent promoters and DNA looping regulates expression of conjugation genes of a gram-positive plasmid. <i>PLoS Genetics</i> , 2014 , 10, e1004733 | 6 | 19 |
| 113 | The Crc protein inhibits the production of polyhydroxyalkanoates in <i>Pseudomonas putida</i> under balanced carbon/nitrogen growth conditions. <i>Environmental Microbiology</i> , 2014 , 16, 278-90 | 5.2 | 26 |
| 112 | <i>Pseudomonas putida</i> growing at low temperature shows increased levels of CrcZ and CrcY sRNAs, leading to reduced Crc-dependent catabolite repression. <i>Environmental Microbiology</i> , 2013 , 15, 24-35 | 5.2 | 19 |
| 111 | Deep eutectic solvent-assisted synthesis of biodegradable polyesters with antibacterial properties. <i>Langmuir</i> , 2013 , 29, 9525-34 | 4 | 59 |
| 110 | The contribution of proteomics to the unveiling of the survival strategies used by <i>Pseudomonas putida</i> in changing and hostile environments. <i>Proteomics</i> , 2013 , 13, 2822-30 | 4.8 | 14 |
| 109 | The <i>Pseudomonas putida</i> HskA hybrid sensor kinase responds to redox signals and contributes to the adaptation of the electron transport chain composition in response to oxygen availability. <i>Environmental Microbiology Reports</i> , 2013 , 5, 825-34 | 3.7 | 8 |
| 108 | The <i>Pseudomonas putida</i> HskA hybrid sensor kinase controls the composition of the electron transport chain. <i>Environmental Microbiology Reports</i> , 2013 , 5, 291-300 | 3.7 | 7 |

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|-----|--|------|-----|
| 107 | The translational repressor Crc controls the <i>Pseudomonas putida</i> benzoate and alkane catabolic pathways using a multi-tier regulation strategy. <i>Environmental Microbiology</i> , 2013 , 15, 227-41 | 5.2 | 32 |
| 106 | Nanocomposites of silver nanoparticles embedded in glass nanofibres obtained by laser spinning. <i>Nanoscale</i> , 2013 , 5, 3948-53 | 7.7 | 9 |
| 105 | Mechanism of calcium lixiviation in soda-lime glasses with a strong biocide activity. <i>Materials Letters</i> , 2012 , 70, 113-115 | 3.3 | 10 |
| 104 | Overproduction of the multidrug efflux pump MexEF-OprN does not impair <i>Pseudomonas aeruginosa</i> fitness in competition tests, but produces specific changes in bacterial regulatory networks. <i>Environmental Microbiology</i> , 2012 , 14, 1968-81 | 5.2 | 81 |
| 103 | Two small RNAs, CrcY and CrcZ, act in concert to sequester the Crc global regulator in <i>Pseudomonas putida</i> , modulating catabolite repression. <i>Molecular Microbiology</i> , 2012 , 83, 24-40 | 4.1 | 87 |
| 102 | Glass-(nAg, nCu) biocide coatings on ceramic oxide substrates. <i>PLoS ONE</i> , 2012 , 7, e33135 | 3.7 | 8 |
| 101 | Growth of <i>Pseudomonas putida</i> at low temperature: global transcriptomic and proteomic analyses. <i>Environmental Microbiology Reports</i> , 2011 , 3, 329-39 | 3.7 | 49 |
| 100 | Metabolic regulation of antibiotic resistance. <i>FEMS Microbiology Reviews</i> , 2011 , 35, 768-89 | 15.1 | 153 |
| 99 | Taxonomic and functional metagenomic profiling of the microbial community in the anoxic sediment of a sub-saline shallow lake (Laguna de Carrizo, Central Spain). <i>Microbial Ecology</i> , 2011 , 62, 824-37 | 4.4 | 43 |
| 98 | Population structure of <i>Pseudomonas aeruginosa</i> from five Mediterranean countries: evidence for frequent recombination and epidemic occurrence of CC235. <i>PLoS ONE</i> , 2011 , 6, e25617 | 3.7 | 99 |
| 97 | Carbon catabolite repression in <i>Pseudomonas</i> : optimizing metabolic versatility and interactions with the environment. <i>FEMS Microbiology Reviews</i> , 2010 , 34, 658-84 | 15.1 | 324 |
| 96 | The global regulator Crc modulates metabolism, susceptibility to antibiotics and virulence in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2010 , 12, 3196-212 | 5.2 | 106 |
| 95 | The Crc global regulator inhibits the <i>Pseudomonas putida</i> pWW0 toluene/xylene assimilation pathway by repressing the translation of regulatory and structural genes. <i>Journal of Biological Chemistry</i> , 2010 , 285, 24412-9 | 5.4 | 49 |
| 94 | Bacteria Incorporation in Deep-eutectic Solvents through Freeze-Drying. <i>Angewandte Chemie</i> , 2010 , 122, 2204-2208 | 3.6 | 16 |
| 93 | Bacteria incorporation in deep-eutectic solvents through freeze-drying. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2158-62 | 16.4 | 138 |
| 92 | The Crc global regulator binds to an unpaired A-rich motif at the <i>Pseudomonas putida</i> alkS mRNA coding sequence and inhibits translation initiation. <i>Nucleic Acids Research</i> , 2009 , 37, 7678-90 | 20.1 | 77 |
| 91 | Structural and functional analysis of SmeT, the repressor of the <i>Stenotrophomonas maltophilia</i> multidrug efflux pump SmeDEF. <i>Journal of Biological Chemistry</i> , 2009 , 284, 14428-38 | 5.4 | 37 |
| 90 | The <i>Pseudomonas putida</i> Crc global regulator controls the hierarchical assimilation of amino acids in a complete medium: evidence from proteomic and genomic analyses. <i>Proteomics</i> , 2009 , 9, 2910-28 | 4.8 | 85 |

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| 89 | Degradation of alkanes by bacteria. <i>Environmental Microbiology</i> , 2009 , 11, 2477-90 | 5.2 | 452 |
| 88 | Controlled formation of the anhydrous polymorph of ciprofloxacin crystals embedded within chitosan scaffolds: study of the kinetic release dependence on crystal size. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1576 | | 14 |
| 87 | The coordinate regulation of multiple terminal oxidases by the <i>Pseudomonas putida</i> ANR global regulator. <i>Environmental Microbiology</i> , 2008 , 10, 1690-702 | 5.2 | 60 |
| 86 | Biofuels from microbes: a comprehensive view. <i>Microbial Biotechnology</i> , 2008 , 1, 208-10 | 6.3 | 6 |
| 85 | The target for the <i>Pseudomonas putida</i> Crc global regulator in the benzoate degradation pathway is the BenR transcriptional regulator. <i>Journal of Bacteriology</i> , 2008 , 190, 1539-45 | 3.5 | 74 |
| 84 | Genomic analysis of the role of RNase R in the turnover of <i>Pseudomonas putida</i> mRNAs. <i>Journal of Bacteriology</i> , 2008 , 190, 6258-63 | 3.5 | 20 |
| 83 | Biocompatible MWCNT scaffolds for immobilization and proliferation of <i>E. coli</i> . <i>Journal of Materials Chemistry</i> , 2007 , 17, 2992-2995 | | 68 |
| 82 | Poly(vinyl alcohol) Scaffolds with Tailored Morphologies for Drug Delivery and Controlled Release. <i>Advanced Functional Materials</i> , 2007 , 17, 3505-3513 | 15.6 | 165 |
| 81 | The <i>Pseudomonas putida</i> Crc global regulator is an RNA binding protein that inhibits translation of the AlkS transcriptional regulator. <i>Molecular Microbiology</i> , 2007 , 64, 665-75 | 4.1 | 95 |
| 80 | Cohabitation of two different <i>lexA</i> regulons in <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2007 , 189, 8855-62 | 3.5 | 32 |
| 79 | Hydrogel Scaffolds with Immobilized Bacteria for 3D Cultures. <i>Chemistry of Materials</i> , 2007 , 19, 1968-1973 | 3.6 | 51 |
| 78 | Bacteria Viability in Solid Gel Materials Revisited: Cryo-SEM as a Suitable Tool To Study the Structural Integrity of Encapsulated Bacteria. <i>Chemistry of Materials</i> , 2006 , 18, 1458-1463 | 9.6 | 61 |
| 77 | Growth phase-dependent expression of the <i>Pseudomonas putida</i> KT2440 transcriptional machinery analysed with a genome-wide DNA microarray. <i>Environmental Microbiology</i> , 2006 , 8, 165-77 | 5.2 | 120 |
| 76 | Inactivation of the <i>Pseudomonas putida</i> cytochrome <i>o</i> ubiquinol oxidase leads to a significant change in the transcriptome and to increased expression of the CIO and <i>cbb3-1</i> terminal oxidases. <i>Environmental Microbiology</i> , 2006 , 8, 1764-74 | 5.2 | 60 |
| 75 | Specificity at the end of the tunnel: understanding substrate length discrimination by the AlkB alkane hydroxylase. <i>Journal of Bacteriology</i> , 2005 , 187, 19-22 | 3.5 | 21 |
| 74 | Overexpression of the multidrug efflux pumps MexCD-OprJ and MexEF-OprN is associated with a reduction of type III secretion in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2005 , 187, 1384-91 | 3.5 | 124 |
| 73 | Levels and activity of the <i>Pseudomonas putida</i> global regulatory protein Crc vary according to growth conditions. <i>Journal of Bacteriology</i> , 2005 , 187, 3678-86 | 3.5 | 51 |
| 72 | Structure of <i>Pseudomonas aeruginosa</i> populations analyzed by single nucleotide polymorphism and pulsed-field gel electrophoresis genotyping. <i>Journal of Bacteriology</i> , 2004 , 186, 4228-37 | 3.5 | 77 |

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|----|--|------|-----|
| 71 | Complex regulation of the synthesis of the compatible solute ectoine in the halophilic bacterium <i>Chromohalobacter salexigens</i> DSM 3043T. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 3051-3063 | 2.9 | 87 |
| 70 | The <i>Pseudomonas putida</i> Crc global regulator controls the expression of genes from several chromosomal catabolic pathways for aromatic compounds. <i>Journal of Bacteriology</i> , 2004 , 186, 1337-44 | 3.5 | 107 |
| 69 | Characterization of two alkane hydroxylase genes from the marine hydrocarbonoclastic bacterium <i>Alcanivorax borkumensis</i> . <i>Environmental Microbiology</i> , 2004 , 6, 264-73 | 5.2 | 90 |
| 68 | Catabolite Repression and Physiological Control 2004 , 365-387 | | 33 |
| 67 | Expression of the <i>Pseudomonas putida</i> OCT plasmid alkane degradation pathway is modulated by two different global control signals: evidence from continuous cultures. <i>Journal of Bacteriology</i> , 2003 , 185, 4772-8 | 3.5 | 50 |
| 66 | Biocompatible Sol-Gel Route for Encapsulation of Living Bacteria in Organically Modified Silica Matrixes. <i>Chemistry of Materials</i> , 2003 , 15, 3614-3618 | 9.6 | 89 |
| 65 | Synapsis and strand exchange in the resolution and DNA inversion reactions catalysed by the beta recombinase. <i>Nucleic Acids Research</i> , 2003 , 31, 1038-44 | 20.1 | 22 |
| 64 | Differential expression of the components of the two alkane hydroxylases from <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2003 , 185, 3232-7 | 3.5 | 79 |
| 63 | Transcriptional regulation of mexR, the repressor of <i>Pseudomonas aeruginosa</i> mexAB-oprM multidrug efflux pump. <i>FEMS Microbiology Letters</i> , 2002 , 207, 63-8 | 2.9 | 30 |
| 62 | The phi29 transcriptional regulator contacts the nucleoid protein p6 to organize a repression complex. <i>EMBO Journal</i> , 2002 , 21, 6185-94 | 13 | 10 |
| 61 | Inactivation of cytochrome o ubiquinol oxidase relieves catabolic repression of the <i>Pseudomonas putida</i> GPo1 alkane degradation pathway. <i>Journal of Bacteriology</i> , 2002 , 184, 3785-93 | 3.5 | 62 |
| 60 | The alkane hydroxylase gene of <i>Burkholderia cepacia</i> RR10 is under catabolite repression control. <i>Journal of Bacteriology</i> , 2001 , 183, 4202-9 | 3.5 | 56 |
| 59 | Analysis of early promoters of the <i>Bacillus</i> bacteriophage GA-1. <i>Journal of Bacteriology</i> , 2001 , 183, 6965-70 | 3.9 | 3 |
| 58 | Role of the crc gene in catabolic repression of the <i>Pseudomonas putida</i> GPo1 alkane degradation pathway. <i>Journal of Bacteriology</i> , 2001 , 183, 6197-206 | 3.5 | 74 |
| 57 | A Mutation in the C-terminal domain of the RNA polymerase alpha subunit that destabilizes the open complexes formed at the phage phi 29 late A3 promoter. <i>Journal of Molecular Biology</i> , 2001 , 307, 487-97 | 6.5 | 8 |
| 56 | Mechanisms of transcriptional repression. <i>Current Opinion in Microbiology</i> , 2001 , 4, 145-51 | 7.9 | 62 |
| 55 | A positive feedback mechanism controls expression of AlkS, the transcriptional regulator of the <i>Pseudomonas oleovorans</i> alkane degradation pathway. <i>Molecular Microbiology</i> , 2000 , 35, 791-9 | 4.1 | 61 |
| 54 | Characterization of bacterial strains able to grow on high molecular mass residues from crude oil processing. <i>FEMS Microbiology Ecology</i> , 2000 , 32, 69-75 | 4.3 | 86 |

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|----|--|------|-----|
| 53 | The prokaryotic beta-recombinase catalyzes site-specific recombination in mammalian cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6634-40 | 5.4 | 30 |
| 52 | Environmental and clinical isolates of <i>Pseudomonas aeruginosa</i> show pathogenic and biodegradative properties irrespective of their origin. <i>Environmental Microbiology</i> , 1999 , 1, 421-30 | 5.2 | 161 |
| 51 | The switch from early to late transcription in phage GA-1: characterization of the regulatory protein p4G. <i>Journal of Molecular Biology</i> , 1999 , 290, 917-28 | 6.5 | 7 |
| 50 | Repression of transcription initiation in bacteria. <i>Journal of Bacteriology</i> , 1999 , 181, 2987-91 | 3.5 | 66 |
| 49 | Role of the alternative sigma factor sigmaS in expression of the AlkS regulator of the <i>Pseudomonas oleovorans</i> alkane degradation pathway. <i>Journal of Bacteriology</i> , 1999 , 181, 1748-54 | 3.5 | 33 |
| 48 | Substitution of the C-terminal domain of the <i>Escherichia coli</i> RNA polymerase alpha subunit by that from <i>Bacillus subtilis</i> makes the enzyme responsive to a <i>Bacillus subtilis</i> transcriptional activator. <i>Journal of Molecular Biology</i> , 1998 , 275, 177-85 | 6.5 | 15 |
| 47 | Binding of phage phi29 protein p4 to the early A2c promoter: recruitment of a repressor by the RNA polymerase. <i>Journal of Molecular Biology</i> , 1998 , 283, 559-69 | 6.5 | 22 |
| 46 | beta Recombinase catalyzes inversion and resolution between two inversely oriented six sites on a supercoiled DNA substrate and only inversion on relaxed or linear substrates. <i>Journal of Biological Chemistry</i> , 1998 , 273, 13886-91 | 5.4 | 19 |
| 45 | Transcription activation and repression by interaction of a regulator with the alpha subunit of RNA polymerase: the model of phage phi 29 protein p4. <i>Progress in Molecular Biology and Translational Science</i> , 1998 , 60, 29-46 | | 36 |
| 44 | Transcriptional activation of the <i>Bacillus subtilis</i> spoIIg promoter by the response regulator Spo0A is independent of the C-terminal domain of the RNA polymerase alpha subunit. <i>Journal of Bacteriology</i> , 1998 , 180, 4760-3 | 3.5 | 5 |
| 43 | Carbon-source-dependent expression of the PalkB promoter from the <i>Pseudomonas oleovorans</i> alkane degradation pathway. <i>Journal of Bacteriology</i> , 1998 , 180, 5218-26 | 3.5 | 80 |
| 42 | Transcription activation or repression by phage psi 29 protein p4 depends on the strength of the RNA polymerase-promoter interactions. <i>Molecular Cell</i> , 1997 , 1, 99-107 | 17.6 | 55 |
| 41 | Mutational analysis of a site-specific recombinase: characterization of the catalytic and dimerization domains of the beta recombinase of pSM19035. <i>Molecular Genetics and Genomics</i> , 1997 , 255, 467-76 | | 10 |
| 40 | The <i>Bacillus subtilis</i> chromatin-associated protein Hbsu is involved in DNA repair and recombination. <i>Molecular Microbiology</i> , 1997 , 23, 1169-79 | 4.1 | 37 |
| 39 | The Mfd protein of <i>Bacillus subtilis</i> 168 is involved in both transcription-coupled DNA repair and DNA recombination. <i>Journal of Molecular Biology</i> , 1996 , 256, 301-18 | 6.5 | 63 |
| 38 | Activation and repression of transcription at two different phage phi29 promoters are mediated by interaction of the same residues of regulatory protein p4 with RNA polymerase.. <i>EMBO Journal</i> , 1996 , 15, 383-391 | 13 | 43 |
| 37 | Protein p4 represses phage phi 29 A2c promoter by interacting with the alpha subunit of <i>Bacillus subtilis</i> RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 8913-8 | 11.5 | 50 |
| 36 | Transcription activation by phage phi29 protein p4 is mediated by interaction with the alpha subunit of <i>Bacillus subtilis</i> RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 6616-20 | 11.5 | 47 |

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|----|---|------|----|
| 35 | Site-specific recombination in gram-positive theta-replicating plasmids. <i>FEMS Microbiology Letters</i> , 1996 , 142, 1-10 | 2.9 | 30 |
| 34 | Transcriptional activator of phage phi 29 late promoter: mapping of residues involved in interaction with RNA polymerase and in DNA bending. <i>Molecular Microbiology</i> , 1996 , 20, 273-82 | 4.1 | 25 |
| 33 | Site-specific recombination by the beta protein from the streptococcal plasmid pSM19035: minimal recombination sequences and crossing over site. <i>Nucleic Acids Research</i> , 1996 , 24, 2712-7 | 20.1 | 27 |
| 32 | The role of chromatin-associated protein Hbsu in beta-mediated DNA recombination is to facilitate the joining of distant recombination sites. <i>Molecular Microbiology</i> , 1995 , 18, 471-8 | 4.1 | 46 |
| 31 | Plasmid rolling circle replication and its control. <i>FEMS Microbiology Letters</i> , 1995 , 130, 111-20 | 2.9 | 68 |
| 30 | Transcription regulation in Bacillus subtilis phage phi 29: expression of the viral promoters throughout the infection cycle. <i>Virology</i> , 1995 , 207, 23-31 | 3.6 | 46 |
| 29 | The Bacillus subtilis histone-like protein Hbsu is required for DNA resolution and DNA inversion mediated by the beta recombinase of plasmid pSM19035. <i>Journal of Biological Chemistry</i> , 1995 , 270, 2938-45 | 5.4 | 55 |
| 28 | The level of the pUB110 replication initiator protein is autoregulated, which provides an additional control for plasmid copy number. <i>Nucleic Acids Research</i> , 1995 , 23, 1894-900 | 20.1 | 23 |
| 27 | The beta recombinase of plasmid pSM19035 binds to two adjacent sites, making different contacts at each of them. <i>Nucleic Acids Research</i> , 1995 , 23, 3181-8 | 20.1 | 40 |
| 26 | [23] Transcriptional regulators: Protein-DNA complexes and regulatory mechanisms. <i>Methods in Molecular Genetics</i> , 1995 , 6, 421-438 | | 2 |
| 25 | Genetic and Serological Evidence for the Recognition of Four Pentachlorophenol-Degrading Bacterial Strains as a Species of the Genus Sphingomonas. <i>Systematic and Applied Microbiology</i> , 1995 , 18, 539-548 | 4.2 | 52 |
| 24 | The beta recombinase from the Streptococcal plasmid pSM 19035 represses its own transcription by holding the RNA polymerase at the promoter region. <i>Nucleic Acids Research</i> , 1994 , 22, 1855-60 | 20.1 | 20 |
| 23 | Requirement for an A-tract structure at the binding site of phage phi 29 transcriptional activator. <i>Journal of Molecular Biology</i> , 1994 , 237, 175-81 | 6.5 | 11 |
| 22 | A novel site-specific recombinase encoded by the Streptococcus pyogenes plasmid pSM19035. <i>Journal of Molecular Biology</i> , 1994 , 238, 159-72 | 6.5 | 56 |
| 21 | Residues of the Bacillus subtilis phage phi 29 transcriptional activator required both to interact with RNA polymerase and to activate transcription. <i>Journal of Molecular Biology</i> , 1993 , 233, 695-704 | 6.5 | 26 |
| 20 | The main early and late promoters of Bacillus subtilis phage phi 29 form unstable open complexes with sigma A-RNA polymerase that are stabilized by DNA supercoiling. <i>Nucleic Acids Research</i> , 1993 , 21, 935-40 | 20.1 | 30 |
| 19 | Purification of the beta product encoded by the Streptococcus pyogenes plasmid pSM19035. A putative DNA recombinase required to resolve plasmid oligomers. <i>FEBS Letters</i> , 1993 , 328, 169-73 | 3.8 | 19 |
| 18 | Phage phi 29 regulatory protein p4 stabilizes the binding of the RNA polymerase to the late promoter in a process involving direct protein-protein contacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 11401-5 | 11.5 | 35 |

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|----|--|------|-----|
| 17 | Identification of the sequences recognized by phage phi 29 transcriptional activator: possible interaction between the activator and the RNA polymerase. <i>Nucleic Acids Research</i> , 1991 , 19, 2337-42 | 20.1 | 14 |
| 16 | Transcription regulation in Bacillus subtilis phage phi 29. <i>Research in Microbiology</i> , 1991 , 142, 771-7 | 4 | 2 |
| 15 | Cloning and expression of the ponB gene, encoding penicillin-binding protein 1B of Escherichia coli, in heterologous systems. <i>Journal of Bacteriology</i> , 1990 , 172, 4448-55 | 3.5 | 7 |
| 14 | A family of positive regulators related to the Pseudomonas putida TOL plasmid XylS and the Escherichia coli AraC activators. <i>Nucleic Acids Research</i> , 1990 , 18, 2149-52 | 20.1 | 86 |
| 13 | Short N-terminal deletions in the phage phi 29 transcriptional activator protein impair its DNA-binding ability. <i>Gene</i> , 1990 , 96, 75-81 | 3.8 | 4 |
| 12 | Bend induced by the phage phi 29 transcriptional activator in the viral late promoter is required for activation. <i>Journal of Molecular Biology</i> , 1990 , 211, 713-25 | 6.5 | 63 |
| 11 | Signal-regulator interactions. Genetic analysis of the effector binding site of xylS, the benzoate-activated positive regulator of Pseudomonas TOL plasmid meta-cleavage pathway operon. <i>Journal of Molecular Biology</i> , 1990 , 211, 373-82 | 6.5 | 83 |
| 10 | Assemblage of ortho cleavage route for simultaneous degradation of chloro- and methylaromatics. <i>Science</i> , 1987 , 238, 1395-8 | 33.3 | 195 |
| 9 | Variability in the posttranslational processing of penicillin-binding protein 1b among different strains of Escherichia coli. <i>Biochemistry and Cell Biology</i> , 1987 , 65, 62-7 | 3.6 | 3 |
| 8 | Penicillin-binding proteins in the cyanelles of Cyanophora paradoxa, a eukaryotic photoautotroph sensitive to β -lactam antibiotics. <i>FEBS Letters</i> , 1987 , 224, 401-405 | 3.8 | 31 |
| 7 | Biological activities specified by antibiotic resistance plasmids. <i>Journal of Antimicrobial Chemotherapy</i> , 1986 , 18 Suppl C, 1-12 | 5.1 | 20 |
| 6 | Analysis of the different molecular forms of penicillin-binding protein 1B in Escherichia coli ponB mutants lysogenized with specialized transducing lambda (ponB+) bacteriophages. <i>FEBS Journal</i> , 1984 , 144, 571-6 | | 11 |
| 5 | Partial crypticity of penicillin-binding protein 1b in purified cell envelopes of Escherichia coli. <i>Current Microbiology</i> , 1984 , 11, 247-250 | 2.4 | 4 |
| 4 | Binding of ¹²⁵ I-labeled beta-lactam antibiotics to the penicillin binding proteins of Escherichia coli. <i>Journal of Antibiotics</i> , 1984 , 37, 389-93 | 3.7 | 11 |
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