

Fernando Rojo

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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	Degradation of alkanes by bacteria. <i>Environmental Microbiology</i> , 2009 , 11, 2477-90	5.2	452
141	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
140	Assemblage of ortho cleavage route for simultaneous degradation of chloro- and methylaromatics. <i>Science</i> , 1987 , 238, 1395-8	33.3	195
139	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
138	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
137	Metabolic regulation of antibiotic resistance. <i>FEMS Microbiology Reviews</i> , 2011 , 35, 768-89	15.1	153
136	Bacteria incorporation in deep-eutectic solvents through freeze-drying. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2158-62	16.4	138
135	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
134	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
133	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
132	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
131	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
130	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
129	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
128	Biocompatible SolGel Route for Encapsulation of Living Bacteria in Organically Modified Silica Matrixes. <i>Chemistry of Materials</i> , 2003 , 15, 3614-3618	9.6	89
127	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
126	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

125	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
124	A family of positive regulators related to the <i>Pseudomonas putida</i> TOL plasmid XylS and the <i>Escherichia coli</i> AraC activators. <i>Nucleic Acids Research</i> , 1990 , 18, 2149-52	20.1	86
123	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
122	Signal-regulator interactions. Genetic analysis of the effector binding site of xylS, the benzoate-activated positive regulator of <i>Pseudomonas</i> TOL plasmid meta-cleavage pathway operon. <i>Journal of Molecular Biology</i> , 1990 , 211, 373-82	6.5	83
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	Biocompatible MWCNT scaffolds for immobilization and proliferation of <i>E. coli</i> . <i>Journal of Materials Chemistry</i> , 2007 , 17, 2992-2995		68
112	Plasmid rolling circle replication and its control. <i>FEMS Microbiology Letters</i> , 1995 , 130, 111-20	2.9	68
111	Repression of transcription initiation in bacteria. <i>Journal of Bacteriology</i> , 1999 , 181, 2987-91	3.5	66
110	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
109	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
108	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

107	Mechanisms of transcriptional repression. <i>Current Opinion in Microbiology</i> , 2001 , 4, 145-51	7.9	62
106	Bacteria Viability in Solid 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
105	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
104	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
103	Inactivation of the <i>Pseudomonas putida</i> cytochrome o ubiquinol oxidase leads to a significant change in the transcriptome and to increased expression of the CIO and cbb3-1 terminal oxidases. <i>Environmental Microbiology</i> , 2006 , 8, 1764-74	5.2	60
102	Deep eutectic solvent-assisted synthesis of biodegradable polyesters with antibacterial properties. <i>Langmuir</i> , 2013 , 29, 9525-34	4	59
101	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
100	A novel site-specific recombinase encoded by the <i>Streptococcus pyogenes</i> plasmid pSM19035. <i>Journal of Molecular Biology</i> , 1994 , 238, 159-72	6.5	56
99	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
98	The <i>Bacillus subtilis</i> 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
97	Genetic and Serological Evidence for the Recognition of Four Pentachlorophenol-Degrading Bacterial Strains as a Species of the Genus <i>Sphingomonas</i> . <i>Systematic and Applied Microbiology</i> , 1995 , 18, 539-548	4.2	52
96	Hydrogel Scaffolds with Immobilized Bacteria for 3D Cultures. <i>Chemistry of Materials</i> , 2007 , 19, 1968-1973	3.6	51
95	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
94	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
93	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
92	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
91	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
90	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

89	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
88	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
87	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
86	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
85	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
84	Structural and functional analysis of SmeT, the repressor of the Stenotrophomonas maltophilia multidrug efflux pump SmeDEF. <i>Journal of Biological Chemistry</i> , 2009 , 284, 14428-38	5.4	37
83	The Bacillus subtilis chromatin-associated protein Hbsu is involved in DNA repair and recombination. <i>Molecular Microbiology</i> , 1997 , 23, 1169-79	4.1	37
82	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
81	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
80	The Crc/CrcZ-CrcY global regulatory system helps the integration of gluconeogenic and glycolytic metabolism in Pseudomonas putida. <i>Environmental Microbiology</i> , 2015 , 17, 3362-78	5.2	34
79	Influence of the Crc regulator on the hierarchical use of carbon sources from a complete medium in Pseudomonas. <i>Environmental Microbiology</i> , 2016 , 18, 807-18	5.2	34
78	Catabolite Repression and Physiological Control 2004 , 365-387		33
77	Role of the alternative sigma factor sigmaS in expression of the AlkS regulator of the Pseudomonas oleovorans alkane degradation pathway. <i>Journal of Bacteriology</i> , 1999 , 181, 1748-54	3.5	33
76	Features of pseudomonads growing at low temperatures: another facet of their versatility. <i>Environmental Microbiology Reports</i> , 2014 , 6, 417-26	3.7	32
75	The translational repressor Crc controls the Pseudomonas putida benzoate and alkane catabolic pathways using a multi-tier regulation strategy. <i>Environmental Microbiology</i> , 2013 , 15, 227-41	5.2	32
74	Cohabitation of two different lexA regulons in Pseudomonas putida. <i>Journal of Bacteriology</i> , 2007 , 189, 8855-62	3.5	32
73	Penicillin-binding proteins in the cyanelles of Cyanophora paradoxa, a eukaryotic photoautotroph sensitive to beta-lactam antibiotics. <i>FEBS Letters</i> , 1987 , 224, 401-405	3.8	31
72	Transcriptional regulation of mexR, the repressor of Pseudomonas aeruginosa mexAB-oprM multidrug efflux pump. <i>FEMS Microbiology Letters</i> , 2002 , 207, 63-8	2.9	30

71	The prokaryotic beta-recombinase catalyzes site-specific recombination in mammalian cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6634-40	5.4	30
70	Site-specific recombination in gram-positive theta-replicating plasmids. <i>FEMS Microbiology Letters</i> , 1996 , 142, 1-10	2.9	30
69	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
68	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
67	Marine hydrocarbonoclastic bacteria as whole-cell biosensors for n-alkanes. <i>Microbial Biotechnology</i> , 2015 , 8, 693-706	6.3	28
66	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
65	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
64	The Crc protein inhibits the production of polyhydroxyalkanoates in Pseudomonas putida under balanced carbon/nitrogen growth conditions. <i>Environmental Microbiology</i> , 2014 , 16, 278-90	5.2	26
63	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
62	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
61	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
60	Pseudomonas putida 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
59	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
58	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
57	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
56	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
55	Genomic analysis of the role of RNase R in the turnover of Pseudomonas putida mRNAs. <i>Journal of Bacteriology</i> , 2008 , 190, 6258-63	3.5	20
54	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

53	Biological activities specified by antibiotic resistance plasmids. <i>Journal of Antimicrobial Chemotherapy</i> , 1986 , 18 Suppl C, 1-12	5.1	20
52	<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
51	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
50	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
49	Purification of the beta product encoded by the <i>Streptococcus pyogenes</i> plasmid pSM19035. A putative DNA recombinase required to resolve plasmid oligomers. <i>FEBS Letters</i> , 1993 , 328, 169-73	3.8	19
48	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
47	Bacteria Incorporation in Deep-eutectic Solvents through Freeze-Drying. <i>Angewandte Chemie</i> , 2010 , 122, 2204-2208	3.6	16
46	Carbenicillin resistance of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1982 , 22, 255-61	5.9	16
45	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
44	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
43	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
42	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
41	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
40	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
39	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
38	Analysis of the different molecular forms of penicillin-binding protein 1B in <i>Escherichia coli</i> ponB mutants lysogenized with specialized transducing lambda (ponB+) bacteriophages. <i>FEBS Journal</i> , 1984 , 144, 571-6		11
37	Binding of 125I-labeled beta-lactam antibiotics to the penicillin binding proteins of <i>Escherichia coli</i> . <i>Journal of Antibiotics</i> , 1984 , 37, 389-93	3.7	11
36	Mechanism of calcium lixiviation in soda-lime glasses with a strong biocide activity. <i>Materials Letters</i> , 2012 , 70, 113-115	3.3	10

35	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
34	The phi29 transcriptional regulator contacts the nucleoid protein p6 to organize a repression complex. <i>EMBO Journal</i> , 2002 , 21, 6185-94	13	10
33	Nanocomposites of silver nanoparticles embedded in glass nanofibres obtained by laser spinning. <i>Nanoscale</i> , 2013 , 5, 3948-53	7.7	9
32	Replication and Transcription of Bacteriophage ϕ 29 DNA843-857		9
31	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
30	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
29	Interaction of beta-lactam antibiotics with penicillin-binding proteins from <i>Bacillus megaterium</i> . <i>FEBS Journal</i> , 1982 , 126, 161-6		8
28	Glass-(nAg, nCu) biocide coatings on ceramic oxide substrates. <i>PLoS ONE</i> , 2012 , 7, e33135	3.7	8
27	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
26	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
25	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
24	Cloning and expression of the ponB gene, encoding penicillin-binding protein 1B of <i>Escherichia coli</i> , in heterologous systems. <i>Journal of Bacteriology</i> , 1990 , 172, 4448-55	3.5	7
23	Green Synthesis of Hierarchically Structured Silver-Polymer Nanocomposites with Antibacterial Activity. <i>Nanomaterials</i> , 2016 , 6,	5.4	7
22	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
21	Biofuels from microbes: a comprehensive view. <i>Microbial Biotechnology</i> , 2008 , 1, 208-10	6.3	6
20	Multiple Layered Control of the Conjugation Process of the Plasmid pLS20. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 648468	5.6	6
19	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
18	Enzymes for Aerobic Degradation of Alkanes in Bacteria 2017 , 1-25		5

17	Novel regulatory mechanism of establishment genes of conjugative plasmids. <i>Nucleic Acids Research</i> , 2018 , 46, 11910-11926	20.1	5
16	Enzymes for Aerobic Degradation of Alkanes in Bacteria 2019 , 117-142		4
15	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
14	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
13	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
12	Genetic Features and Regulation of n-Alkane Metabolism in Bacteria 2019 , 521-542		3
11	Analysis of early promoters of the Bacillus bacteriophage GA-1. <i>Journal of Bacteriology</i> , 2001 , 183, 6965-6970		3
10	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
9	Traits allowing resistance to organic solvents in Pseudomonas. <i>Environmental Microbiology</i> , 2017 , 19, 417-419	5.2	2
8	[23] Transcriptional regulators: Protein-DNA complexes and regulatory mechanisms. <i>Methods in Molecular Genetics</i> , 1995 , 6, 421-438		2
7	Transcription regulation in Bacillus subtilis phage phi 29. <i>Research in Microbiology</i> , 1991 , 142, 771-7	4	2
6	Protocols on Regulation of Gene Expression. <i>Springer Protocols</i> , 2014 , 29-50	0.3	1
5	Genetic Features and Regulation of n-Alkane Metabolism in Bacteria 2017 , 1-21		1
4	A new global regulator that facilitates the co-metabolization of polyaromatic hydrocarbons and other nutrients in Novosphingobium. <i>Environmental Microbiology</i> , 2021 , 23, 2875-2877	5.2	0
3	Hydrocarbon Degradation as Pathogens 2019 , 1-15		
2	Hydrocarbon Degradation as Pathogens 2020 , 267-281		
1	Expression of the ISPpu9 transposase of Pseudomonas putida 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	