Fernando Rojo

List of Publications by Year
in descending order

145 papers	7,862 citations	36303 51 h-index	58581 82 g-index
146 all docs	146 docs citations	146 times ranked	6768 citing authors

#	Article	IF	Citations
1	Degradation of alkanes by bacteria. Environmental Microbiology, 2009, 11, 2477-2490.	3.8	650
2	Carbon catabolite repression in<i>Pseudomonas</i>: optimizing metabolic versatility and interactions with the environment. FEMS Microbiology Reviews, 2010, 34, 658-684.	8.6	429
3	Assemblage of ortho cleavage route for simultaneous degradation of chloro- and methylaromatics. Science, 1987, 238, 1395-1398.	12.6	246
4	Metabolic regulation of antibiotic resistance. FEMS Microbiology Reviews, 2011, 35, 768-789.	8.6	220
5	Environmental and clinical isolates of Pseudomonas aeruginosa show pathogenic and biodegradative properties irrespective of their origin. Environmental Microbiology, 1999, 1, 421-430.	3.8	194
6	Poly(vinyl alcohol) Scaffolds with Tailored Morphologies for Drug Delivery and Controlled Release. Advanced Functional Materials, 2007, 17, 3505-3513.	14.9	189
7	Bacteria Incorporation in Deepâ€eutectic Solvents through Freezeâ€Drying. Angewandte Chemie - International Edition, 2010, 49, 2158-2162.	13.8	158
8	Overexpression of the Multidrug Efflux Pumps MexCD-OprJ and MexEF-OprN Is Associated with a Reduction of Type III Secretion in Pseudomonas aeruginosa. Journal of Bacteriology, 2005, 187, 1384-1391.	2.2	151
9	The global regulator Crc modulates metabolism, susceptibility to antibiotics and virulence in <i>Pseudomonas aeruginosa</i>. Environmental Microbiology, 2010, 12, 3196-3212.	3.8	133
10	Growth phase-dependent expression of the Pseudomonas putida KT2440 transcriptional machinery analysed with a genome-wide DNA microarray. Environmental Microbiology, 2006, 8, 165-177.	3.8	123
11	Population Structure of Pseudomonas aeruginosa from Five Mediterranean Countries: Evidence for Frequent Recombination and Epidemic Occurrence of CC235. PLoS ONE, 2011, 6, e25617.	2.5	116
12	Characterization of bacterial strains able to grow on high molecular mass residues from crude oil processing. FEMS Microbiology Ecology, 2000, 32, 69-75.	2.7	114
13	The <i>Pseudomonas putida</i> Crc Global Regulator Controls the Expression of Genes from Several Chromosomal Catabolic Pathways for Aromatic Compounds. Journal of Bacteriology, 2004, 186, 1337-1344.	2.2	114
14	The <scp><scp>Crc</scp></scp> and <scp><scp>Hfq</scp></scp> proteins of <scp><i>P</i></scp><i>seudomonas putida</i> cooperate in catabolite repression and formation of ribonucleic acid complexes with specific target motifs. Environmental Microbiology, 2015, 17, 105-118.	3.8	113
15	Complex regulation of the synthesis of the compatible solute ectoine in the halophilic bacterium Chromohalobacter salexigens DSM 3043T. Microbiology (United Kingdom), 2004, 150, 3051-3063.	1.8	112
16	The <i>Pseudomonas putida</i> Crc global regulator is an RNA binding protein that inhibits translation of the AlkS transcriptional regulator. Molecular Microbiology, 2007, 64, 665-675.	2.5	102
17	Two small RNAs, CrcY and CrcZ, act in concert to sequester the Crc global regulator in <i>Pseudomonas putida</i>, modulating catabolite repression. Molecular Microbiology, 2012, 83, 24-40.	2.5	101
18	Characterization of two alkane hydroxylase genes from the marine hydrocarbonoclastic bacterium Alcanivorax borkumensis. Environmental Microbiology, 2004, 6, 264-273.	3.8	100

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19	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. Proteomics, 2009, 9, 2910-2928.	2.2	100
20	Overproduction of the multidrug efflux pump MexEFâ€OprN does not impair <i>Pseudomonas aeruginosa</i> fitness in competition tests, but produces specific changes in bacterial regulatory networks. Environmental Microbiology, 2012, 14, 1968-1981.	3.8	100
21	A family of positive regulators related to thePseudomonas putidaTOL plasmid XylS and theEscherichia coliAraC activators. Nucleic Acids Research, 1990, 18, 2149-2152.	14.5	96
22	Biocompatible Solâ^'Gel Route for Encapsulation of Living Bacteria in Organically Modified Silica Matrixes. Chemistry of Materials, 2003, 15, 3614-3618.	6.7	96
23	Carbon-Source-Dependent Expression of the PalkB Promoter from the Pseudomonas oleovorans Alkane Degradation Pathway. Journal of Bacteriology, 1998, 180, 5218-5226.	2.2	94
24	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. Journal of Molecular Biology, 1990, 211, 373-382.	4.2	92
25	Differential Expression of the Components of the Two Alkane Hydroxylases from Pseudomonas aeruginosa. Journal of Bacteriology, 2003, 185, 3232-3237.	2.2	90
26	The Crc global regulator binds to an unpaired A-rich motif at the Pseudomonas putida alkS mRNA coding sequence and inhibits translation initiation. Nucleic Acids Research, 2009, 37, 7678-7690.	14.5	90
27	The Target for the <i>Pseudomonas putida</i> Crc Global Regulator in the Benzoate Degradation Pathway Is the BenR Transcriptional Regulator. Journal of Bacteriology, 2008, 190, 1539-1545.	2.2	87
28	Role of the crc Gene in Catabolic Repression of the Pseudomonas putida GPo1 Alkane Degradation Pathway. Journal of Bacteriology, 2001, 183, 6197-6206.	2.2	86
29	Structure of Pseudomonas aeruginosa Populations Analyzed by Single Nucleotide Polymorphism and Pulsed-Field Gel Electrophoresis Genotyping. Journal of Bacteriology, 2004, 186, 4228-4237.	2.2	84
30	Plasmid rolling circle replication and its control. FEMS Microbiology Letters, 1995, 130, 111-120.	1.8	77
31	Inactivation of Cytochrome o Ubiquinol Oxidase Relieves Catabolic Repression of the Pseudomonas putida GPo1 Alkane Degradation Pathway. Journal of Bacteriology, 2002, 184, 3785-3793.	2.2	74
32	Biocompatible MWCNT scaffolds for immobilization and proliferation of E. coli. Journal of Materials Chemistry, 2007, 17, 2992-2995.	6.7	74
33	Deep Eutectic Solvent-Assisted Synthesis of Biodegradable Polyesters with Antibacterial Properties. Langmuir, 2013, 29, 9525-9534.	3.5	74
34	Growth of <i>Pseudomonas putida</i> at low temperature: global transcriptomic and proteomic analyses. Environmental Microbiology Reports, 2011, 3, 329-339.	2.4	73
35	Repression of Transcription Initiation in Bacteria. Journal of Bacteriology, 1999, 181, 2987-2991.	2.2	73
36	Inactivation of the Pseudomonas putida cytochrome o ubiquinol oxidase leads to a significant change in the transcriptome and to increased expression of the CIO and cbb3-1 terminal oxidases. Environmental Microbiology, 2006, 8, 1764-1774.	3.8	72

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37	Genetic and Serological Evidence for the Recognition of Four Pentachlorophenol-Degrading Bacterial Strains as a Species of the Genus Sphingomonas. Systematic and Applied Microbiology, 1995, 18, 539-548.	2.8	71
38	The Mfd Protein ofBacillus subtilis168 is Involved in both Transcription-coupled DNA Repair and DNA Recombination. Journal of Molecular Biology, 1996, 256, 301-318.	4.2	71
39	A positive feedback mechanism controls expression of AlkS, the transcriptional regulator of the Pseudomonas oleovorans alkane degradation pathway. Molecular Microbiology, 2000, 35, 791-799.	2.5	70
40	Mechanisms of transcriptional repression. Current Opinion in Microbiology, 2001, 4, 145-151.	5.1	67
41	The Bacillussubtilis Histone-like Protein Hbsu Is Required for DNA Resolution and DNA Inversion Mediated by the Î² Recombinase of Plasmid pSM19035. Journal of Biological Chemistry, 1995, 270, 2938-2945.	3.4	66
42	The coordinate regulation of multiple terminal oxidases by the <i>Pseudomonas putida</i> ANR global regulator. Environmental Microbiology, 2008, 10, 1690-1702.	3.8	66
43	Bacteria Viability in Solâˆ'Gel Materials Revisited:Â Cryo-SEM as a Suitable Tool To Study the Structural Integrity of Encapsulated Bacteria. Chemistry of Materials, 2006, 18, 1458-1463.	6.7	65
44	Bend induced by the phage Ï†29 transcriptional activator in the viral late promoter is required for activation. Journal of Molecular Biology, 1990, 211, 713-725.	4.2	64
45	The Alkane Hydroxylase Gene of Burkholderia cepacia RR10 Is under Catabolite Repression Control. Journal of Bacteriology, 2001, 183, 4202-4209.	2.2	64
46	The Crc Global Regulator Inhibits the Pseudomonas putida pWW0 Toluene/Xylene Assimilation Pathway by Repressing the Translation of Regulatory and Structural Genes. Journal of Biological Chemistry, 2010, 285, 24412-24419.	3.4	59
47	A Novel Site-specific Recombinase Encoded by the Streptococcus pyogenes Plasmid pSM19035. Journal of Molecular Biology, 1994, 238, 159-172.	4.2	58
48	Transcription Activation or Repression by Phage Î¦29 Protein p4 Depends on the Strength of the RNA Polymeraseâ€"Promoter Interactions. Molecular Cell, 1997, 1, 99-107.	9.7	58
49	Expression of the Pseudomonas putida OCT Plasmid Alkane Degradation Pathway Is Modulated by Two Different Global Control Signals: Evidence from Continuous Cultures. Journal of Bacteriology, 2003, 185, 4772-4778.	2.2	56
50	Hydrogel Scaffolds with Immobilized Bacteria for 3D Cultures. Chemistry of Materials, 2007, 19, 1968-1973.	6.7	56
51	Levels and Activity of the Pseudomonas putida Global Regulatory Protein Crc Vary According to Growth Conditions. Journal of Bacteriology, 2005, 187, 3678-3686.	2.2	54
52	Protein p4 represses phage phi 29 A2c promoter by interacting with the alpha subunit of Bacillus subtilis RNA polymerase.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 8913-8918.	7.1	53
53	Transcription activation by phage phi29 protein p4 is mediated by interaction with the alpha subunit of Bacillus subtilis RNA polymerase.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 6616-6620.	7.1	51
54	Taxonomic and Functional Metagenomic Profiling of the Microbial Community in the Anoxic Sediment of a Sub-saline Shallow Lake (Laguna de Carrizo, Central Spain). Microbial Ecology, 2011, 62, 824-837.	2.8	51

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55	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.. EMBO Journal, 1996, 15, 383-391.	7.8	50
56	The role of the chromatin-associated protein Hbsu in beta-mediated DNA recombination is to facilitate the joining of distant recombination sites. Molecular Microbiology, 1995, 18, 471-478.	2.5	48
57	Transcription Regulation in Bacillus subtilis Phage Î¦29: Expression of the Viral Promoters throughout the Infection Cycle. Virology, 1995, 207, 23-31.	2.4	48
58	The role of environmental biotechnology in exploring, exploiting, monitoring, preserving, protecting and decontaminating the marine environment. New Biotechnology, 2015, 32, 157-167.	4.4	48
59	The translational repressor <scp>Crc</scp> controls the <i><scp>P</scp>seudomonas putida</i> benzoate and alkane catabolic pathways using a multiâ€tier regulation strategy. Environmental Microbiology, 2013, 15, 227-241.	3.8	45
60	The Î² recombinase of plasmid pSM19035 binds to two adjacent sites, making different contacts at each of them. Nucleic Acids Research, 1995, 23, 3181-3188.	14.5	44
61	The <scp>Crc</scp>/<scp>CrcZ</scp>â€<scp>CrcY</scp> global regulatory system helps the integration of gluconeogenic and glycolytic metabolism in <scp><i>P</i></scp><i>seudomonas putida</i>. Environmental Microbiology, 2015, 17, 3362-3378.	3.8	44
62	The Bacillus subtilis chromatin-associated protein Hbsu is involved in DNA repair and recombination. Molecular Microbiology, 1997, 23, 1169-1179.	2.5	43
63	Structural and Functional Analysis of SmeT, the Repressor of the Stenotrophomonas maltophilia Multidrug Efflux Pump SmeDEF. Journal of Biological Chemistry, 2009, 284, 14428-14438.	3.4	43
64	Influence of the <scp>C</scp>rc regulator on the hierarchical use of carbon sources from a complete medium in <scp><i>P</i></scp><i>seudomonas</i>. Environmental Microbiology, 2016, 18, 807-818.	3.8	42
65	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.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11401-11405.	7.1	41
66	Transcriptional and translational control through the 5â€²â€leader region of the <scp><i>dmpR</i></scp> master regulatory gene of phenol metabolism. Environmental Microbiology, 2015, 17, 119-133.	3.8	41
67	Transcription Activation and Repression by Interaction of a Regulator with the Î± Subunit of RNA Polymerase: The Model of Phage Ï•29 Protein p4. Progress in Molecular Biology and Translational Science, 1998, 60, 29-46.	1.9	40
68	Features of pseudomonads growing at low temperatures: another facet of their versatility. Environmental Microbiology Reports, 2014, 6, 417-426.	2.4	39
69	Combining electrokinetic transport and bioremediation for enhanced removal of crude oil from contaminated marine sediments: Results of a long-term, mesocosm-scale experiment. Water Research, 2019, 157, 381-395.	11.3	38
70	<i>Pseudomonas putida</i> KT2440 metabolism undergoes sequential modifications during exponential growth in a complete medium as compounds are gradually consumed. Environmental Microbiology, 2019, 21, 2375-2390.	3.8	36
71	Role of the Alternative Sigma Factor Ïƒ^S in Expression of the AlkS Regulator of the <i>Pseudomonas oleovorans</i> Alkane Degradation Pathway. Journal of Bacteriology, 1999, 181, 1748-1754.	2.2	36
72	Catabolite Repression and Physiological Control. , 2004, , 365-387.		35

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73	Penicillin-binding proteins in the cyanelles of Cyanophora paradoxa , a eukaryotic photoautotroph sensitive to Î²-lactam antibiotics. FEBS Letters, 1987, 224, 401-405.	2.8	34
74	The Prokaryotic Î²-Recombinase Catalyzes Site-specific Recombination in Mammalian Cells. Journal of Biological Chemistry, 1999, 274, 6634-6640.	3.4	33
75	Transcriptional regulation ofmexR, the repressor ofPseudomonas aeruginosa mexAB-oprMmultidrug efflux pump. FEMS Microbiology Letters, 2002, 207, 63-68.	1.8	33
76	Cohabitation of Two Different <i>lexA</i> Regulons in <i>Pseudomonas putida</i>. Journal of Bacteriology, 2007, 189, 8855-8862.	2.2	33
77	The main early and late promoters ofBacillus subtilisphage Ã¸29 form unstable open complexes with ÏƒA-RNA polymerase that are stabilized by DNA supercoiling. Nucleic Acids Research, 1993, 21, 935-940.	14.5	32
78	Site-specific recombination in Gram-positive theta-replicating plasmids. FEMS Microbiology Letters, 1996, 142, 1-10.	1.8	31
79	Marine hydrocarbonoclastic bacteria as wholeâ€cell biosensors for <i>n</i>â€alkanes. Microbial Biotechnology, 2015, 8, 693-706.	4.2	31
80	Residues of the Bacillus subtilis phage Î¦29 Transcriptional Activator Required Both to Interact with RNA Polymerase and to Activate Transcription. Journal of Molecular Biology, 1993, 233, 695-704.	4.2	30
81	A Complex Genetic Switch Involving Overlapping Divergent Promoters and DNA Looping Regulates Expression of Conjugation Genes of a Gram-positive Plasmid. PLoS Genetics, 2014, 10, e1004733.	3.5	30
82	The <scp>Crc</scp> protein inhibits the production of polyhydroxyalkanoates in <scp><i>P</i></scp><i>seudomonas putida</i> under balanced carbon/nitrogen growth conditions. Environmental Microbiology, 2014, 16, 278-290.	3.8	30
83	Site-specific Recombination by the Â Protein from the Streptococcal Plasmid pSM19035: Minimal Recombination Sequences and Crossing over Site. Nucleic Acids Research, 1996, 24, 2712-2717.	14.5	28
84	Transcriptional activator of phage ?29 late promoter: mapping of residues involved in interaction with RNA polymerase and in DNA bending. Molecular Microbiology, 1996, 20, 273-282.	2.5	27
85	Specificity at the End of the Tunnel: Understanding Substrate Length Discrimination by the AlkB Alkane Hydroxylase. Journal of Bacteriology, 2005, 187, 19-22.	2.2	27
86	The level of the pUB110 replication initiator protein is autoregulated, which provides an additional control for plasmid copy number. Nucleic Acids Research, 1995, 23, 1894-1900.	14.5	26
87	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. Environmental Microbiology, 2019, 21, 4446-4459.	3.8	26
88	Effect of Crc and Hfq proteins on the transcription, processing, and stability of the <i>Pseudomonas putida</i> CrcZ sRNA. Rna, 2016, 22, 1902-1917.	3.5	25
89	Biological activities specified by antibiotic resistance plasmids*. Journal of Antimicrobial Chemotherapy, 1986, 18, 1-12.	3.0	24
90	Binding of phage Î¦29 protein p4 to the early A2c promoter: recruitment of a repressor by the RNA polymerase. Journal of Molecular Biology, 1998, 283, 559-569.	4.2	24

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91	Synapsis and strand exchange in the resolution and DNA inversion reactions catalysed by the beta recombinase. Nucleic Acids Research, 2003, 31, 1038-1044.	14.5	23
92	Genomic Analysis of the Role of RNase R in the Turnover of Pseudomonas putida mRNAs. Journal of Bacteriology, 2008, 190, 6258-6263.	2.2	23
93	Glucose uptake in Azotobacter vinelandii occurs through a GluP transporter that is under the control of the CbrA/CbrB and Hfq-Crc systems. Scientific Reports, 2017, 7, 858.	3.3	23
94	The Î² recombinase from theStreptococcalplasmid pSM19035 represses its own transcription by holding the RNA polymerase at the promoter region. Nucleic Acids Research, 1994, 22, 1855-1860.	14.5	22
95	<i>Pseudomonas putida</i> growing at low temperature shows increased levels of CrcZ and CrcY sRNAs, leading to reduced Crcâ€dependent catabolite repression. Environmental Microbiology, 2013, 15, 24-35.	3.8	22
96	Î² Recombinase Catalyzes Inversion and Resolution between Two Inversely Oriented six Sites on a Supercoiled DNA Substrate and Only Inversion on Relaxed or Linear Substrates. Journal of Biological Chemistry, 1998, 273, 13886-13891.	3.4	21
97	Carbenicillin resistance of Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 1982, 22, 255-261.	3.2	20
98	Purification of the Î² product encoded by theStreptococcus pyogenesplasmid pSM19035. FEBS Letters, 1993, 328, 169-173.	2.8	20
99	The contribution of proteomics to the unveiling of the survival strategies used by <i><scp>P</scp>seudomonas putida</i> in changing and hostile environments. Proteomics, 2013, 13, 2822-2830.	2.2	19
100	Identification of the sequences recognized by phage Ï•29 transcriptional activator: possible interaction between the activator and the RNA polymerase. Nucleic Acids Research, 1991, 19, 2337-2342.	14.5	18
101	Substitution of the C-terminal domain of the Escherichia coli RNA polymerase Î± subunit by that from Bacillus subtilis makes the enzyme responsive to a Bacillus subtilis transcriptional activator 1 1Edited by M. Gottesman. Journal of Molecular Biology, 1998, 275, 177-185.	4.2	18
102	Controlled formation of the anhydrous polymorph of ciprofloxacin crystals embedded within chitosan scaffolds: study of the kinetic release dependence on crystal size. Journal of Materials Chemistry, 2009, 19, 1576.	6.7	16
103	Mechanism of calcium lixiviation in soda-lime glasses with a strong biocide activity. Materials Letters, 2012, 70, 113-115.	2.6	15
104	Multiple Layered Control of the Conjugation Process of the Bacillus subtilis Plasmid pLS20. Frontiers in Molecular Biosciences, 2021, 8, 648468.	3.5	15
105	Are nonlethal targets useful for developing novel antimicrobials?. Future Microbiology, 2011, 6, 605-607.	2.0	14
106	Differential expression of the three <i>Alcanivorax borkumensis</i> SK2 genes coding for the P450 cytochromes involved in the assimilation of hydrocarbons. Environmental Microbiology Reports, 2017, 9, 797-808.	2.4	14
107	Influence of the Hfq and Crc global regulators on the control of iron homeostasis in <i>Pseudomonas putida</i>. Environmental Microbiology, 2018, 20, 3484-3503.	3.8	14
108	Analysis of the different molecular forms of penicillin-binding protein 1B in Escherichia coli ponB mutants lysogenized with specialized transducing lamba(ponB+) bacteriophages. FEBS Journal, 1984, 144, 571-576.	0.2	13

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109	Binding of 125I-labeled .BETA.-lactam antibiotics to the penicillin binding proteins of Escherichia coli.. Journal of Antibiotics, 1984, 37, 389-393.	2.0	12
110	Requirement for an A-tract Structure at the Binding Site of Phage Ï†29 Transcriptional Activator. Journal of Molecular Biology, 1994, 237, 175-181.	4.2	12
111	The Ï†29 transcriptional regulator contacts the nucleoid protein p6 to organize a repression complex. EMBO Journal, 2002, 21, 6185-6194.	7.8	11
112	Green Synthesis of Hierarchically Structured Silver-Polymer Nanocomposites with Antibacterial Activity. Nanomaterials, 2016, 6, 137.	4.1	11
113	Mutational analysis of a site-specific recombinase: characterization of the catalytic and dimerization domains of the Î² recombinase of pSM19035. Molecular Genetics and Genomics, 1997, 255, 467-476.	2.4	10
114	Biofuels from microbes: a comprehensive view. Microbial Biotechnology, 2008, 1, 208-210.	4.2	10
115	The <i><scp>P</scp>seudomonas putida</i>â€…<scp>HskA</scp> hybrid sensor kinase responds to redox signals and contributes to the adaptation of the electron transport chain composition in response to oxygen availability. Environmental Microbiology Reports, 2013, 5, 825-834.	2.4	10
116	Enzymes for Aerobic Degradation of Alkanes in Bacteria. , 2017, , 1-25.		10
117	The <i><scp>P</scp>seudomonas putida</i><scp><scp>HskA</scp></scp> hybrid sensor kinase controls the composition of the electron transport chain. Environmental Microbiology Reports, 2013, 5, 291-300.	2.4	9
118	Nanocomposites of silver nanoparticles embedded in glass nanofibres obtained by laser spinning. Nanoscale, 2013, 5, 3948.	5.6	9
119	Replication and Transcription of Bacteriophage Ï•29 DNA. , 0, , 843-857.		9
120	Glass-(nAg, nCu) Biocide Coatings on Ceramic Oxide Substrates. PLoS ONE, 2012, 7, e33135.	2.5	9
121	Interaction of beta-Lactam Antibiotics with Penicillin-Binding Proteins from Bacillus megaterium. FEBS Journal, 1982, 126, 161-166.	0.2	8
122	Cloning and expression of the ponB gene, encoding penicillin-binding protein 1B of Escherichia coli, in heterologous systems. Journal of Bacteriology, 1990, 172, 4448-4455.	2.2	8
123	A mutation in the C-terminal domain of the RNA polymerase alpha subunit that destabilizes the open complexes formed at the phage Ï†29 late A3 promoter11Edited by I. B. Holland. Journal of Molecular Biology, 2001, 307, 487-497.	4.2	8
124	Novel regulatory mechanism of establishment genes of conjugative plasmids. Nucleic Acids Research, 2018, 46, 11910-11926.	14.5	8
125	Enzymes for Aerobic Degradation of Alkanes in Bacteria. , 2019, , 117-142.		8
126	Characterization of bacterial strains able to grow on high molecular mass residues from crude oil processing. FEMS Microbiology Ecology, 2000, 32, 69-75.	2.7	8

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127	The switch from early to late transcription in phage GA-1: characterization of the regulatory protein p4G. Journal of Molecular Biology, 1999, 290, 917-928.	4.2	7
128	Vortex ring processes allowing shape control and entrapment of antibacterial agents in GO-based particles. Carbon, 2019, 147, 408-418.	10.3	7
129	A new global regulator that facilitates the coâ€metabolization of polyaromatic hydrocarbons and other nutrients in <i>Novosphingobium</i>. Environmental Microbiology, 2021, 23, 2875-2877.	3.8	6
130	Transcriptional Activation of the <i>Bacillus subtilis spoIIG</i> Promoter by the Response Regulator Spo0A Is Independent of the C-Terminal Domain of the RNA Polymerase Alpha Subunit. Journal of Bacteriology, 1998, 180, 4760-4763.	2.2	6
131	Genetic Features and Regulation of n-Alkane Metabolism in Bacteria. , 2019, , 521-542.		5
132	Partial crypticity of penicillin-binding protein 1b in purified cell envelopes ofEscherichia coli. Current Microbiology, 1984, 11, 247-250.	2.2	4
133	Short N-terminal deletions in the phage Ï†29 transcriptional activator protein impair its DNA-binding ability. Gene, 1990, 96, 75-81.	2.2	4
134	Traits allowing resistance to organic solvents in <scp><i>P</i></scp><i>seudomonas</i>. Environmental Microbiology, 2017, 19, 417-419.	3.8	4
135	Variability in the posttranslational processing of penicillin-binding protein 1b among different strains of Escherichia coli. Biochemistry and Cell Biology, 1987, 65, 62-67.	2.0	3
136	Analysis of Early Promoters of the Bacillus Bacteriophage GA-1. Journal of Bacteriology, 2001, 183, 6965-6970.	2.2	3
137	Plasmid rolling circle replication and its control. FEMS Microbiology Letters, 1995, 130, 111-120.	1.8	3
138	Transcription regulation in Bacillus subtilis phage Î¦29. Research in Microbiology, 1991, 142, 771-777.	2.1	2
139	[23] Transcriptional regulators: Protein-DNA complexes and regulatory mechanisms. Methods in Molecular Genetics, 1995, 6, 421-438.	0.6	2
140	Protocols on Regulation of Gene Expression. Springer Protocols, 2014, , 29-50.	0.3	1
141	Expression of the ISPpu9 transposase of <i>Pseudomonas putida</i> KT2440 is regulated by two small RNAs and the secondary structure of the mRNA 5â€²-untranslated region. Nucleic Acids Research, 2021, 49, 9211-9228.	14.5	1
142	Genetic Features and Regulation of n-Alkane Metabolism in Bacteria. , 2017, , 1-21.		1
143	Hydrocarbon Degraders as Pathogens. , 2019, , 1-15.		0
144	Hydrocarbon Degraders as Pathogens. , 2020, , 267-281.		0

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145	Site-specific recombination in Gram-positive theta-replicating plasmids. FEMS Microbiology Letters, 1996, 142, 1-10.	1.8	0