

Ray Dixon

List of Publications by Year in descending order

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31976

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#	ARTICLE	IF	CITATIONS
1	Genetic Determinants of Ammonium Excretion in <i>nifL</i> Mutants of <i>Azotobacter vinelandii</i> . <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0187621.	3.1	9
2	Control of nitrogen fixation and ammonia excretion in <i>Azorhizobium caulinodans</i> . <i>PLoS Genetics</i> , 2022, 18, e1010276.	3.5	9
3	Disrupting hierarchical control of nitrogen fixation enables carbon-dependent regulation of ammonia excretion in soil diazotrophs. <i>PLoS Genetics</i> , 2021, 17, e1009617.	3.5	17
4	Regulation of <i>Herbaspirillum seropedicae</i> NifA by the GlnK PII signal transduction protein is mediated by effectors binding to allosteric sites. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140348.	2.3	6
5	Using synthetic biology to overcome barriers to stable expression of nitrogenase in eukaryotic organelles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16537-16545.	7.1	28
6	Manipulating nitrogen regulation in diazotrophic bacteria for agronomic benefit. <i>Biochemical Society Transactions</i> , 2019, 47, 603-614.	3.4	83
7	Hierarchical interactions between Fnr orthologs allows fine-tuning of transcription in response to oxygen in <i>Herbaspirillum seropedicae</i> . <i>Nucleic Acids Research</i> , 2018, 46, 3953-3966.	14.5	5
8	Polyprotein strategy for stoichiometric assembly of nitrogen fixation components for synthetic biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8509-E8517.	7.1	60
9	Energy shifts induce membrane sequestration of DraG in <i>Rhodospirillum rubrum</i> independent of the ammonium transporters and diazotrophic conditions. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	2
10	PHB Biosynthesis Counteracts Redox Stress in <i>Herbaspirillum seropedicae</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 472.	3.5	44
11	Modular electron-transport chains from eukaryotic organelles function to support nitrogenase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2460-E2465.	7.1	57
12	Diazotrophic Growth Allows <i>Azotobacter vinelandii</i> To Overcome the Deleterious Effects of a <i>glnE</i> Deletion. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	9
13	Novel insights into ecological distribution and plant growth promotion by nitrogen-fixing endophytes – how specialised are they?. <i>Environmental Microbiology Reports</i> , 2017, 9, 179-181.	2.4	6
14	John Raymond Postgate <i>FIBiol</i> . 24 June 1922 – 22 October 2014. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2016, 62, 483-504.	0.1	0
15	Major cereal crops benefit from biological nitrogen fixation when inoculated with the nitrogen-fixing bacterium <i>Pseudomonas protegens</i> Pf5 X940. <i>Environmental Microbiology</i> , 2016, 18, 3522-3534.	3.8	92
16	Deciphering the Principles of Bacterial Nitrogen Dietary Preferences: a Strategy for Nutrient Containment. <i>MBio</i> , 2016, 7, .	4.1	36
17	Molecular adaptations of <i>HcH</i> <i>herbaspirillum seropedicae</i> during colonization of the maize rhizosphere. <i>Environmental Microbiology</i> , 2016, 18, 2343-2356.	3.8	52
18	Enhanced oxygen consumption in <i>Herbaspirillum seropedicae</i> <i>fnr</i> mutants leads to increased NifA mediated transcriptional activation. <i>BMC Microbiology</i> , 2015, 15, 95.	3.3	4

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19	The Emergence of 2-Oxoglutarate as a Master Regulator Metabolite. <i>Microbiology and Molecular Biology Reviews</i> , 2015, 79, 419-435.	6.6	222
20	The structural basis for enhancer-dependent assembly and activation of the AAA transcriptional activator NorR. <i>Molecular Microbiology</i> , 2015, 95, 17-30.	2.5	13
21	PipX, the coactivator of NtcA, is a global regulator in cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2423-30.	7.1	80
22	Biotechnological solutions to the nitrogen problem. <i>Current Opinion in Biotechnology</i> , 2014, 26, 19-24.	6.6	259
23	Reconstruction and minimal gene requirements for the alternative iron-only nitrogenase in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3718-25.	7.1	84
24	The <i>Herbaspirillum seropedicae</i> SmR1 Fnr orthologs controls the cytochrome composition of the electron transport chain. <i>Scientific Reports</i> , 2013, 3, 2544.	3.3	17
25	A Minimal Nitrogen Fixation Gene Cluster from <i>Paenibacillus</i> sp. WLY78 Enables Expression of Active Nitrogenase in <i>Escherichia coli</i> . <i>PLoS Genetics</i> , 2013, 9, e1003865.	3.5	122
26	Using Synthetic Biology to Distinguish and Overcome Regulatory and Functional Barriers Related to Nitrogen Fixation. <i>PLoS ONE</i> , 2013, 8, e68677.	2.5	40
27	The Role of Bacterial Enhancer Binding Proteins as Specialized Activators of σ^{54} -Dependent Transcription. <i>Microbiology and Molecular Biology Reviews</i> , 2012, 76, 497-529.	6.6	277
28	Interaction of GlnK with the GAF domain of <i>Herbaspirillum seropedicae</i> NifA mediates NH_4^+ -regulation. <i>Biochimie</i> , 2012, 94, 1041-1047.	2.6	20
29	Distribution of nitrogen fixation and nitrogenase-like sequences amongst microbial genomes. <i>BMC Genomics</i> , 2012, 13, 162.	2.8	381
30	Influence of PAS Domain Flanking Regions on Oligomerisation and Redox Signalling By NifL. <i>PLoS ONE</i> , 2012, 7, e46651.	2.5	15
31	Transcriptional Profiling of Nitrogen Fixation in <i>Azotobacter vinelandii</i> . <i>Journal of Bacteriology</i> , 2011, 193, 4477-4486.	2.2	99
32	Transcriptional regulation by the dedicated nitric oxide sensor, NorR: a route towards NO detoxification. <i>Biochemical Society Transactions</i> , 2011, 39, 289-293.	3.4	36
33	Substitutions in the redox-sensing PAS domain of the NifL regulatory protein define an inter-subunit pathway for redox signal transmission. <i>Molecular Microbiology</i> , 2011, 82, 222-235.	2.5	17
34	Spectroscopic analysis of protein $\text{Fe}^{\text{II}}\text{NO}$ complexes. <i>Biochemical Society Transactions</i> , 2011, 39, 1293-1298.	3.4	13
35	Quaternary structure changes in a second Per-Arnt-Sim domain mediate intramolecular redox signal relay in the NifL regulatory protein. <i>Molecular Microbiology</i> , 2010, 75, 61-75.	2.5	36
36	Nitric oxide-responsive interdomain regulation targets the σ^{54} -interaction surface in the enhancer binding protein NorR. <i>Molecular Microbiology</i> , 2010, 77, 1278-1288.	2.5	20

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37	Environmental control of phosphorylation pathways in a branched two-component system. <i>Molecular Microbiology</i> , 2010, 78, 475-489.	2.5	46
38	Essential roles of three enhancer sites in γ 54-dependent transcription by the nitric oxide sensing regulatory protein NorR. <i>Nucleic Acids Research</i> , 2010, 38, 1182-1194.	14.5	37
39	There's NO stopping NsrR, a global regulator of the bacterial NO stress response. <i>Trends in Microbiology</i> , 2010, 18, 149-156.	7.7	111
40	NtrC-Dependent Regulatory Network for Nitrogen Assimilation in <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2009, 191, 6123-6135.	2.2	70
41	Genome Sequence of <i>Azotobacter vinelandii</i> , an Obligate Aerobe Specialized To Support Diverse Anaerobic Metabolic Processes. <i>Journal of Bacteriology</i> , 2009, 191, 4534-4545.	2.2	265
42	Role of conserved cysteine residues in <i>Herbaspirillum seropedicae</i> NifA activity. <i>Research in Microbiology</i> , 2009, 160, 389-395.	2.1	13
43	Analysis of the Nitric Oxide-sensing Non-heme Iron Center in the NorR Regulatory Protein. <i>Journal of Biological Chemistry</i> , 2008, 283, 908-918.	3.4	46
44	Characterization of the Nitric Oxide-Reactive Transcriptional Activator NorR. <i>Methods in Enzymology</i> , 2008, 437, 235-251.	1.0	15
45	The Transcriptional Repressor Protein NsrR Senses Nitric Oxide Directly via a [2Fe-2S] Cluster. <i>PLoS ONE</i> , 2008, 3, e3623.	2.5	121
46	Role of the H Domain of the Histidine Kinase-like Protein NifL in Signal Transmission. <i>Journal of Biological Chemistry</i> , 2007, 282, 13429-13437.	3.4	18
47	Role of the central region of NifL in conformational switches that regulate nitrogen fixation. <i>Biochemical Society Transactions</i> , 2006, 34, 162-164.	3.4	22
48	Mechanism of transcriptional regulation by the <i>Escherichia coli</i> nitric oxide sensor NorR. <i>Biochemical Society Transactions</i> , 2006, 34, 191-194.	3.4	33
49	Crystal structure of the MYB domain of the RAD transcription factor from <i>Antirrhinum majus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 65, 1041-1045.	2.6	22
50	Nitrogen fixation: key genetic regulatory mechanisms. <i>Biochemical Society Transactions</i> , 2005, 33, 152-156.	3.4	41
51	DNA binding properties of the <i>Escherichia coli</i> nitric oxide sensor NorR: towards an understanding of the regulation of flavorubredoxin expression. <i>Biochemical Society Transactions</i> , 2005, 33, 181-183.	3.4	11
52	A non-haem iron centre in the transcription factor NorR senses nitric oxide. <i>Nature</i> , 2005, 437, 769-772.	27.8	264
53	Crystallization and preliminary X-ray analysis of the RAD protein from <i>Antirrhinum majus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 885-888.	0.7	4
54	Mutational Analysis of the Nucleotide-binding Domain of the Anti-activator NifL. <i>Journal of Molecular Biology</i> , 2005, 346, 935-949.	4.2	14

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55	Getting the signals across: networking inside and out. <i>Current Opinion in Microbiology</i> , 2005, 8, 113-115.	5.1	0
56	The <i>Klebsiella pneumoniae</i> nitrogenase Fe protein gene (<i>nifH</i>) functionally substitutes for the <i>chIL</i> gene in <i>Chlamydomonas reinhardtii</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 966-975.	2.1	70
57	Genetic Regulation of Nitrogen Fixation: Integration of Multiple Signals. , 2005, , 53-57.		1
58	The NifL-NifA System: a Multidomain Transcriptional Regulatory Complex That Integrates Environmental Signals. <i>Journal of Bacteriology</i> , 2004, 186, 601-610.	2.2	142
59	A crucial arginine residue is required for a conformational switch in NifL to regulate nitrogen fixation in <i>Azotobacter vinelandii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16316-16321.	7.1	16
60	DNA Binding Activity of the <i>Escherichia coli</i> Nitric Oxide Sensor NorR Suggests a Conserved Target Sequence in Diverse Proteobacteria. <i>Journal of Bacteriology</i> , 2004, 186, 6656-6660.	2.2	48
61	The PAS fold. <i>FEBS Journal</i> , 2004, 271, 1198-1208.	0.2	151
62	Role of the amino-terminal GAF domain of the NifA activator in controlling the response to the antiactivator protein NifL. <i>Molecular Microbiology</i> , 2004, 52, 1731-1744.	2.5	58
63	Genetic regulation of biological nitrogen fixation. <i>Nature Reviews Microbiology</i> , 2004, 2, 621-631.	28.6	943
64	In silico analysis of the σ^{54} -dependent enhancer-binding proteins in <i>Pirellula</i> species strain 1. <i>FEMS Microbiology Letters</i> , 2004, 230, 215-225.	1.8	16
65	Domain Architectures of σ^{54} -Dependent Transcriptional Activators. <i>Journal of Bacteriology</i> , 2003, 185, 1757-1767.	2.2	272
66	The Amino-terminal GAF Domain of <i>Azotobacter vinelandii</i> NifA Binds 2-Oxoglutarate to Resist Inhibition by NifL under Nitrogen-limiting Conditions. <i>Journal of Biological Chemistry</i> , 2003, 278, 28711-28718.	3.4	78
67	Direct Interaction of the NifL Regulatory Protein with the GlnK Signal Transducer Enables the <i>Azotobacter vinelandii</i> NifL-NifA Regulatory System to Respond to Conditions Replete for Nitrogen. <i>Journal of Biological Chemistry</i> , 2002, 277, 15472-15481.	3.4	69
68	Mutant Forms of the <i>Azotobacter vinelandii</i> Transcriptional Activator NifA Resistant to Inhibition by the NifL Regulatory Protein. <i>Journal of Bacteriology</i> , 2002, 184, 6777-6785.	2.2	31
69	Secondary structure and DNA binding by the C-terminal domain of the transcriptional activator NifA from <i>Klebsiella pneumoniae</i> . <i>Nucleic Acids Research</i> , 2002, 30, 3972-3980.	14.5	19
70	The redox- and fixed nitrogen-responsive regulatory protein NIFL from <i>Azotobacter vinelandii</i> comprises discrete flavin and nucleotide-binding domains. <i>Molecular Microbiology</i> , 2002, 28, 179-192.	2.5	85
71	Integration of nitrogen, carbon and redox status by the <i>Azotobacter vinelandii</i> NifL-NifA regulatory complex.. , 2002, , 238-242.		2
72	Role of PII-Like Proteins in Nitrogen Sensing by <i>Azotobacter vinelandii</i> Nifl and Nifa. <i>Current Plant Science and Biotechnology in Agriculture</i> , 2002, , 139-139.	0.0	0

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73	Protein: Protein Interactions between the Enhancer Binding Protein, NIFA and the Sensor NIFL. , 2002, , 111-111.		0
74	Concerted inhibition of the transcriptional activation functions of the enhancer-binding protein NIFA by the anti-activator NIFL. <i>Molecular Microbiology</i> , 2001, 39, 480-494.	2.5	38
75	A Novel Purification Method for Histidine-Tagged Proteins Containing a Thrombin Cleavage Site. <i>Analytical Biochemistry</i> , 2001, 295, 180-185.	2.4	59
76	Role of <i>Escherichia coli</i> Nitrogen Regulatory Genes in the Nitrogen Response of the <i>Azotobacter vinelandii</i> NifL-NifA Complex. <i>Journal of Bacteriology</i> , 2001, 183, 3076-3082.	2.2	49
77	Protein-Protein Interactions in the Complex between the Enhancer Binding Protein NIFA and the Sensor NIFL from <i>Azotobacter vinelandii</i> . <i>Journal of Bacteriology</i> , 2001, 183, 1359-1368.	2.2	26
78	Secondary Structure and DNA binding of the C-terminal Domain of the Transcriptional Activator NifA from <i>Klebsiella pneumoniae</i> . <i>Biochemical Society Transactions</i> , 2000, 28, A422-A422.	3.4	0
79	Signal transduction to the <i>Azotobacter vinelandii</i> NIFL-NIFA regulatory system is influenced directly by interaction with 2-oxoglutarate and the PII regulatory protein. <i>EMBO Journal</i> , 2000, 19, 6041-6050.	7.8	94
80	The upstream region of the <i>nodD3</i> gene of <i>Sinorhizobium meliloti</i> carries enhancer sequences for the transcriptional activator NtrC. <i>FEMS Microbiology Letters</i> , 1999, 179, 491-499.	1.8	13
81	The upstream region of the <i>nodD3</i> gene of <i>Sinorhizobium meliloti</i> carries enhancer sequences for the transcriptional activator NtrC. <i>FEMS Microbiology Letters</i> , 1999, 179, 491-499.	1.8	1
82	Isolation and Properties of the Complex between the Enhancer Binding Protein NIFA and the Sensor NIFL. <i>Journal of Bacteriology</i> , 1999, 181, 4461-4468.	2.2	52
83	The oxygen-responsive NIFL-NIFA complex: a novel two-component regulatory system controlling nitrogenase synthesis in γ -Proteobacteria. <i>Archives of Microbiology</i> , 1998, 169, 371-380.	2.2	139
84	Properties of a mutant form of the prokaryotic enhancer binding protein, NTRC, which hydrolyses ATP in the absence of effectors. <i>FEBS Letters</i> , 1998, 437, 70-74.	2.8	6
85	Electron donation to the flavoprotein NifL, a redox-sensing transcriptional regulator. <i>Biochemical Journal</i> , 1998, 332, 413-419.	3.7	68
86	Torsional Constraints on the Formation of Open Promoter Complexes on DNA Minicircles Carrying λ 54-Dependent Promoters. <i>Biochemistry</i> , 1997, 36, 12303-12316.	2.5	8
87	PAS domain S-boxes in archaea, bacteria and sensors for oxygen and redox. <i>Trends in Biochemical Sciences</i> , 1997, 22, 331-333.	7.5	412
88	Nif gene transfer and expression in chloroplasts: Prospects and problems. <i>Plant and Soil</i> , 1997, 194, 193-203.	3.7	46
89	Nif gene transfer and expression in chloroplasts: Prospects and problems. , 1997, , 193-203.		9
90	Regulation of Nitrogen Fixation Genes by the NIFA and NIFL Regulatory Proteins. , 1997, , 245-249.		0

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91	Azotobacter vinelandii NIFL is a flavoprotein that modulates transcriptional activation of nitrogen-fixation genes via a redox-sensitive switch.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 2143-2148.	7.1	168
92	Effector-induced self-association and conformational changes in the enhancer-binding protein NTRC. Molecular Microbiology, 1996, 22, 779-788.	2.5	26
93	Transcriptional activation of the nitrogenase promoter in vitro: adenosine nucleotides are required for inhibition of NIFA activity by NIFL. Journal of Bacteriology, 1995, 177, 1186-1195.	2.2	52
94	Purification and in vitro activities of the native nitrogen fixation control proteins NifA and NifL. Journal of Bacteriology, 1994, 176, 3460-3465.	2.2	85
95	Oxygen sensitivity and metal ion-dependent transcriptional activation by NIFA protein from Rhizobium leguminosarum biovar trifolii. Molecular Genetics and Genomics, 1994, 245, 313-322.	2.4	9
96	Plant expression cassettes for enhanced translational efficiency. Plant Molecular Biology Reporter, 1994, 12, 347-357.	1.8	12
97	Plant viral leaders influence expression of a reporter gene in tobacco. Plant Molecular Biology, 1993, 23, 97-109.	3.9	57
98	The function of the upstream region of the γ 54-dependent Klebsiella pneumoniae nifL promoter is sensitive to DNA supercoiling. Molecular Microbiology, 1993, 9, 1107-1117.	2.5	12
99	DNA supercoiling response of the γ 54-dependent Klebsiella pneumoniae nifL promoter in vitro. Journal of Molecular Biology, 1992, 225, 591-607.	4.2	32
100	Substitutions at a single amino acid residue in the nitrogen-regulated activator protein NTRC differentially influence its activity in response to phosphorylation. Molecular Microbiology, 1991, 5, 1657-1667.	2.5	29
101	Influence of a mutation in the putative nucleotide binding site of the nitrogen regulatory protein NTRC on its positive control function. Nucleic Acids Research, 1991, 19, 2281-2287.	14.5	45
102	Characterisation of the Klebsiella pneumoniae nitrogen-fixation regulatory proteins NIFA and NIFL in vitro. FEBS Journal, 1990, 187, 353-360.	0.2	47
103	Role of metal ions in negative regulation of nitrogen fixation by the nifL gene product from Klebsiella pneumoniae. Molecular Genetics and Genomics, 1989, 216, 484-491.	2.4	82
104	The role of activator binding sites in transcriptional control of the divergently transcribed nifF and nif LA promoters from Klebsiella pneumoniae. Molecular Microbiology, 1988, 2, 433-442.	2.5	75
105	DNA supercolling and aerobic regulation of transcription from the Klebsiella pneumoniae nifL promoter. Nucleic Acids Research, 1988, 16, 9933-9946.	14.5	54
106	Genetics and regulation of nif and related genes in Klebsiella pneumoniae. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1987, 317, 147-158.	2.3	7
107	nif genes in alien backgrounds. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1987, 317, 227-243.	2.3	5
108	Effect of inoculation with Klebsiella oxytoca and Enterobacter cloacae on dinitrogen fixation by rice-bacteria associations. Plant and Soil, 1987, 103, 221-226.	3.7	36

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109	First things first. <i>Nature</i> , 1987, 326, 822-822.	27.8	0
110	Deletion loop mutagenesis of the <i>nifL</i> promoter from <i>Klebsiella pneumoniae</i> : role of the -26 to -12 region in promoter function. <i>Gene</i> , 1986, 45, 281-288.	2.2	22
111	The <i>xylABC</i> promoter from the <i>Pseudomonas putida</i> TOL plamid is activated by nitrogen regulatory genes in <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 1986, 203, 129-136.	2.4	137
112	Upstream activator sequences are present in the promoters of nitrogen fixation genes. <i>Nature</i> , 1986, 320, 374-378.	27.8	299
113	The <i>nifH</i> gene product is required for the synthesis or stability of the iron-molybdenum cofactor of nitrogenase from <i>Klebsiella pneumoniae</i> . <i>FEBS Journal</i> , 1986, 160, 371-377.	0.2	85
114	Regulation of the nitrogen fixation genes in <i>Klebsiella pneumoniae</i> : Implications for genetic manipulation. <i>Plant and Soil</i> , 1986, 90, 225-233.	3.7	4
115	Interaction of purified NtrC protein with nitrogen regulated promoters from <i>Klebsiella pneumoniae</i> . <i>Molecular Genetics and Genomics</i> , 1985, 201, 492-498.	2.4	50
116	Site-directed mutagenesis of the <i>Klebsiella pneumoniae nifL</i> and <i>nifH</i> promoters and in vivo analysis of promoter activity. <i>Nucleic Acids Research</i> , 1985, 13, 7621-7638.	14.5	77
117	Tandem promoters determine regulation of the <i>Klebsiella pneumoniae</i> glutamine synthetase (<i>glnA</i>) gene. <i>Nucleic Acids Research</i> , 1984, 12, 7811-7830.	14.5	123
118	Why don't plants fix nitrogen?. <i>Trends in Biotechnology</i> , 1984, 2, 162-166.	9.3	51
119	Positive control and autogenous regulation of the <i>nifLA</i> promoter in <i>Klebsiella pneumoniae</i> . <i>Nature</i> , 1983, 301, 302-307.	27.8	187
120	REGULATION OF TRANSCRIPTION OF THE NITROGEN FIXATION OPERONS. , 1983, , 223-232.		6
121	Repressor properties of the <i>nifL</i> gene product in <i>Klebsiella pneumoniae</i> . <i>Molecular Genetics and Genomics</i> , 1982, 185, 75-81.	2.4	135
122	Cloning of the <i>glnA</i> , <i>ntrB</i> and <i>ntrC</i> genes of <i>Klebsiella pneumoniae</i> and studies of their role in regulation of the nitrogen fixation (<i>nif</i>) gene cluster. <i>Molecular Genetics and Genomics</i> , 1982, 186, 518-524.	2.4	90
123	Requirement of <i>nifV</i> gene for production of wild-type nitrogenase enzyme in <i>Klebsiella pneumoniae</i> . <i>Nature</i> , 1981, 292, 655-656.	27.8	98
124	Analysis of regulation of <i>Klebsiella pneumoniae</i> nitrogen fixation (<i>nif</i>) gene cluster with gene fusions. <i>Nature</i> , 1980, 286, 128-132.	27.8	207
125	Genetics of Nitrogen Fixation in the Bacterium <i>Klebsiella Pneumoniae</i> . , 1980, , 427-437.		1
126	Polarity of mutations induced by insertion of transposons Tn5, Tn7 and Tn10 into the <i>nif</i> gene cluster of <i>Klebsiella pneumoniae</i> . <i>Molecular Genetics and Genomics</i> , 1978, 165, 103-111.	2.4	106

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127	Complementation analysis of <i>Klebsiella pneumoniae</i> mutants defective in nitrogen fixation. <i>Molecular Genetics and Genomics</i> , 1977, 157, 189-198.	2.4	189
128	Ammonia assimilation and nitrogen fixation in <i>Rhizobium meliloti</i> . <i>Molecular Genetics and Genomics</i> , 1977, 151, 221-226.	2.4	82
129	The Nitrogen Fixation Cistrons of <i>Klebsiella Pneumoniae</i> . , 1977, 9, 51-66.		4
130	Construction of a P plasmid carrying nitrogen fixation genes from <i>Klebsiella pneumoniae</i> . <i>Nature</i> , 1976, 260, 268-271.	27.8	163
131	Genetic Transfer of Nitrogen Fixation from <i>Klebsiella pneumoniae</i> to <i>Escherichia coli</i> . <i>Nature</i> , 1972, 237, 102-103.	27.8	206
132	Transfer of Nitrogen-fixation Genes by Conjugation in <i>Klebsiella pneumoniae</i> . <i>Nature</i> , 1971, 234, 47-48.	27.8	113
133	Interactions between paralogous bacterial enhancer binding proteins enable metal-dependent regulation of alternative nitrogenases in <i>Azotobacter vinelandii</i> . <i>Molecular Microbiology</i> , 0, , .	2.5	3