Jan Michiels

List of Articles by Year
in descending order

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148	6,001	51922 44	74299 75
PR articles	PR citations	PR h-index	g-index

163	7389	52677 47	12003
documents	doc citations	h-index	citing authors

#	Article	IF	Citations
1	Systematic mapping of antibiotic cross-resistance and collateral sensitivity with chemical genetics. Nature Microbiology, 2025, 10, 202-216.	16.0	15
2	Composition and liquid-to-solid maturation of protein aggregates contribute to bacterial dormancy development and recovery. Nature Communications, 2025, 16, .	13.7	12
3	Co-translational protein aggregation and ribosome stalling as a broad-spectrum antibacterial mechanism. Nature Communications, 2025, 16, .	13.7	5
4	Widespread antibiotic heterotolerance in bacteria remains undetected by resistance assays. Drug Resistance Updates, 2025, 81, 101239.	19.3	0
5	In silico identification of gene targets to enhance C12 fatty acid production in Escherichia coli. Applied Microbiology and Biotechnology, 2025, 109, .	4.0	0
6	Protocol for assessing single-cell persister recovery kinetics and physiology in Escherichia coli using spectrophotometry. STAR Protocols, 2024, 5, 102984.	1.1	0
7	The rise and future of CRISPR-based approaches for high-throughput genomics. FEMS Microbiology Reviews, 2024, 48, .	10.6	19
8	A single upstream mutation of <i>whiB7</i> underlies amikacin and clarithromycin resistance in <i>Mycobacterium abscessus</i>. Journal of Applied Microbiology, 2024, 135, .	3.2	0
9	Deep mutational scanning of essential bacterial proteins can guide antibiotic development. Nature Communications, 2023, 14, .	13.7	43
10	YbiB: a novel interactor of the GTPase ObgE. Nucleic Acids Research, 2023, 51, 3420-3435.	15.5	4
11	In Vitro Persistence Level Reflects In Vivo Antibiotic Survival of Natural Pseudomonas aeruginosa Isolates in a Murine Lung Infection Model. Microbiology Spectrum, 2023, 11, .	3.6	8
12	Environmental, mechanistic and evolutionary landscape of antibiotic persistence. EMBO Reports, 2023, 24, .	5.2	36
13	Strigolactones repress nodule development and senescence in pea. Plant Journal, 2023, 116, 7-22.	6.2	14
14	Ecology and evolution of antibiotic persistence. Trends in Microbiology, 2022, 30, 466-479.	8.2	55
15	Genome-Wide Association Study Reveals Host Factors Affecting Conjugation in Escherichia coli. Microorganisms, 2022, 10, 608.	3.8	6
16	Transcription-coupled DNA repair underlies variation in persister awakening and the emergence of resistance. Cell Reports, 2022, 38, 110427.	6.3	31
17	Assessing persister awakening dynamics following antibiotic treatment in E.Âcoli. STAR Protocols, 2022, 3, 101476.	1.1	5
18	Amplification Efficiency and Template Accessibility as Distinct Causes of Rain in Digital PCR: Monte Carlo Modeling and Experimental Validation. Analytical Chemistry, 2022, 94, 15781-15789.	6.5	10

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19	Protein Aggregation as a Bacterial Strategy to Survive Antibiotic Treatment. Frontiers in Molecular Biosciences, 2021, 8, .	3.5	53
20	Antibiotic persistence: The power of being a diploid. Current Biology, 2021, 31, R493-R495.	3.6	1
21	Functional analysis of cysteine residues of the Hok/Gef type I toxins in Escherichia coli. FEMS Microbiology Letters, 2021, 368, .	1.9	11
22	Alternative dimerization is required for activity and inhibition of the HEPN ribonuclease RnlA. Nucleic Acids Research, 2021, 49, 7164-7178.	15.5	14
23	The Dynamic Transition of Persistence toward the Viable but Nonculturable State during Stationary Phase Is Driven by Protein Aggregation. MBio, 2021, 12, .	4.4	75
24	Increasing Solvent Tolerance to Improve Microbial Production of Alcohols, Terpenoids and Aromatics. Microorganisms, 2021, 9, 249.	3.8	20
25	Implant functionalization with mesoporous silica: A promising antibacterial strategy, but does such an implant osseointegrate?. Clinical and Experimental Dental Research, 2021, 7, 502-511.	2.3	13
26	Ethanol exposure increases mutation rate through error-prone polymerases. Nature Communications, 2020, 11, .	13.7	53
27	Desiccation-induced cell damage in bacteria and the relevance for inoculant production. Applied Microbiology and Biotechnology, 2020, 104, 3757-3770.	4.0	49
28	Model-Driven Controlled Alteration of Nanopillar Cap Architecture Reveals its Effects on Bactericidal Activity. Microorganisms, 2020, 8, 186.	3.8	12
29	The Escherichia coli RnlAâ€"RnlB toxinâ€"antitoxin complex: production, characterization and crystallization. Acta Crystallographica Section F, Structural Biology Communications, 2020, 76, 31-39.	0.9	3
30	GTP Binding Is Necessary for the Activation of a Toxic Mutant Isoform of the Essential GTPase ObgE. International Journal of Molecular Sciences, 2020, 21, 16.	4.4	15
31	Image-Based Dynamic Phenotyping Reveals Genetic Determinants of Filamentation-Mediated Î²-Lactam Tolerance. Frontiers in Microbiology, 2020, 11, .	3.9	22
32	HokB Monomerization and Membrane Repolarization Control Persister Awakening. Molecular Cell, 2019, 75, 1031-1042.e4.	13.3	83
33	High-throughput time-resolved morphology screening in bacteria reveals phenotypic responses to antibiotics. Communications Biology, 2019, 2, .	4.4	45
34	Bacterial Heterogeneity and Antibiotic Survival: Understanding and Combatting Persistence and Heteroresistance. Molecular Cell, 2019, 76, 255-267.	13.3	201
35	Biochemical determinants of ObgEâ€mediated persistence. Molecular Microbiology, 2019, 112, 1593-1608.	2.5	11
36	IAMBEE: a web-service for the identification of adaptive pathways from parallel evolved clonal populations. Nucleic Acids Research, 2019, 47, W151-W157.	15.5	1

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37	Enrichment of persisters enabled by a ÃŸ-lactam-induced filamentation method reveals their stochastic single-cell awakening. Communications Biology, 2019, 2, .	4.4	39
38	An integrative view of cell cycle control in Escherichia coli. FEMS Microbiology Reviews, 2018, 42, 116-136.	10.6	79
39	Hitting with a BAM: Selective Killing by Lectin-Like Bacteriocins. MBio, 2018, 9, .	4.4	50
40	The Crabtree Effect Shapes the Saccharomyces cerevisiae Lag Phase during the Switch between Different Carbon Sources. MBio, 2018, 9, .	4.4	66
41	The Putative De-N-acetylase DnpA Contributes to Intracellular and Biofilm-Associated Persistence of Pseudomonas aeruginosa Exposed to Fluoroquinolones. Frontiers in Microbiology, 2018, 9, .	3.9	9
42	1-((2,4-Dichlorophenethyl)Amino)-3-Phenoxypropan-2-ol Kills Pseudomonas aeruginosa through Extensive Membrane Damage. Frontiers in Microbiology, 2018, 9, .	3.9	12
43	The Persistence-Inducing Toxin HokB Forms Dynamic Pores That Cause ATP Leakage. MBio, 2018, 9, .	4.4	94
44	In vitro activity of the antiasthmatic drug zafirlukast against the oral pathogens Porphyromonas gingivalis and Streptococcus mutans. FEMS Microbiology Letters, 2017, , fnx005.	1.9	18
45	Structural and biochemical analysis of Escherichia coli ObgE, a central regulator of bacterial persistence. Journal of Biological Chemistry, 2017, 292, 5871-5883.	2.2	24
46	New approaches to combat Porphyromonas gingivalis biofilms. Journal of Oral Microbiology, 2017, 9, 1300366.	5.0	64
47	Identification of 1-((2,4-Dichlorophenethyl)Amino)-3-Phenoxypropan-2-ol, a Novel Antibacterial Compound Active against Persisters of Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2017, 61, .	4.1	19
48	Repurposing Toremifene for Treatment of Oral Bacterial Infections. Antimicrobial Agents and Chemotherapy, 2017, 61, .	4.1	40
49	Repurposing AM404 for the treatment of oral infections by Porphyromonas gingivalis. Clinical and Experimental Dental Research, 2017, 3, 69-76.	2.3	11
50	A Mutant Isoform of ObgE Causes Cell Death by Interfering with Cell Division. Frontiers in Microbiology, 2017, 8, .	3.9	19
51	Antibacterial Activity of 1-[(2,4-Dichlorophenethyl)amino]-3-Phenoxypropan-2-ol against Antibiotic-Resistant Strains of Diverse Bacterial Pathogens, Biofilms and in Pre-clinical Infection Models. Frontiers in Microbiology, 2017, 8, .	3.9	13
52	Elucidation of the Mode of Action of a New Antibacterial Compound Active against Staphylococcus aureus and Pseudomonas aeruginosa. PLoS ONE, 2016, 11, e0155139.	2.3	37
53	Selection mosaics differentiate Rhizobium â€“host plant interactions across different nitrogen environments. Oikos, 2016, 125, 1755-1761.	2.6	21
54	Antibacterial activity of a new broadâ€spectrum antibiotic covalently bound to titanium surfaces. Journal of Orthopaedic Research, 2016, 34, 2191-2198.	2.4	33

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55	Efficacy of Artilysin Art-175 against Resistant and Persistent Acinetobacter baumannii. Antimicrobial Agents and Chemotherapy, 2016, 60, 3480-3488.	4.1	134
56	Draft Genome Sequence of Pseudomonas putida BW11M1, a Banana Rhizosphere Isolate with a Diversified Antimicrobial Armamentarium. Genome Announcements, 2016, 4, .	0.7	10
57	Measuring the Viscosity of the Escherichia coli Plasma Membrane Using Molecular Rotors. Biophysical Journal, 2016, 111, 1528-1540.	2.2	100
58	Membrane localization and topology of the DnpA protein control fluoroquinolone tolerance inPseudomonas aeruginosa. FEMS Microbiology Letters, 2016, 363, fnw184.	1.9	5
59	Modulation of the Substitution Pattern of 5-Aryl-2-Aminoimidazoles Allows Fine-Tuning of Their Antibiofilm Activity Spectrum and Toxicity. Antimicrobial Agents and Chemotherapy, 2016, 60, 6483-6497.	4.1	23
60	Reactive oxygen species do not contribute to ObgE*-mediated programmed cell death. Scientific Reports, 2016, 6, .	3.4	22
61	Symbiont abundance is more important than pre-infection partner choice in a Rhizobium â€“ legume mutualism. Systematic and Applied Microbiology, 2016, 39, 345-349.	3.6	11
62	Covalent immobilization of antimicrobial agents on titanium preventsStaphylococcus aureusandCandida albicanscolonization and biofilm formation. Journal of Antimicrobial Chemotherapy, 2016, 71, 936-945.	3.1	77
63	The bacterial cell cycle checkpoint protein Obg and its role in programmed cell death. Microbial Cell, 2016, 3, 255-256.	3.0	6
64	Frequency-based haplotype reconstruction from deep sequencing data of bacterial populations. Nucleic Acids Research, 2015, 43, e105-e105.	15.5	50
65	Novel anti-infective implant substrates: Controlled release of antibiofilm compounds from mesoporous silica-containing macroporous titanium. Colloids and Surfaces B: Biointerfaces, 2015, 126, 481-488.	5.3	28
66	Fungal Î²-1,3-Glucan Increases Ofloxacin Tolerance of Escherichia coli in a Polymicrobial E. coli/Candida albicans Biofilm. Antimicrobial Agents and Chemotherapy, 2015, 59, 3052-3058.	4.1	94
67	A study of SeqA subcellular localization in Escherichia coli using photo-activated localization microscopy. Faraday Discussions, 2015, 184, 425-450.	3.0	9
68	Effects of local environmental variables and geographical location on the genetic diversity and composition of Rhizobium leguminosarum nodulating Vicia cracca populations. Soil Biology and Biochemistry, 2015, 90, 71-79.	10.5	29
69	Membrane depolarization-triggered responsive diversification leads to antibiotic tolerance. Microbial Cell, 2015, 2, 299-301.	3.0	10
70	COLOMBOS v2.0: an ever expanding collection of bacterial expression compendia: Table 1.. Nucleic Acids Research, 2014, 42, D649-D653.	15.5	39
71	Bacterial Obg proteins: GTPases at the nexus of protein and DNA synthesis. Critical Reviews in Microbiology, 2014, 40, 207-224.	6.2	60
72	Effects of co-inoculation of native Rhizobium and Pseudomonas strains on growth parameters and yield of two contrasting Phaseolus vulgaris L. genotypes under Cuban soil conditions. European Journal of Soil Biology, 2014, 62, 105-112.	3.0	77

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73	Art-175 Is a Highly Efficient Antibacterial against Multidrug-Resistant Strains and Persisters of Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2014, 58, 3774-3784.	4.1	187
74	Excited state dynamics of the photoconvertible fluorescent protein Kaede revealed by ultrafast spectroscopy. Photochemical and Photobiological Sciences, 2014, 13, 867-874.	2.3	18
75	Population structure of root nodulating Rhizobium leguminosarum in Vicia cracca populations at local to regional geographic scales. Systematic and Applied Microbiology, 2014, 37, 613-621.	3.6	38
76	Genomic analysis of cyclic-di-GMP-related genes in rhizobial type strains and functional analysis in Rhizobium etli. Applied Microbiology and Biotechnology, 2014, 98, 4589-4602.	4.0	24
77	Derivatives of the Mouse Cathelicidin-Related Antimicrobial Peptide (CRAMP) Inhibit Fungal and Bacterial Biofilm Formation. Antimicrobial Agents and Chemotherapy, 2014, 58, 5395-5404.	4.1	60
78	A putative de-N-acetylase of the PIG-L superfamily affects fluoroquinolone tolerance inPseudomonas aeruginosa. Pathogens and Disease, 2014, 71, 39-54.	2.2	27
79	Revealing the Excited-State Dynamics of the Fluorescent Protein Dendra2. Journal of Physical Chemistry B, 2013, 117, 2300-2313.	2.7	22
80	Canonical and nonâ€canonical EcfG sigma factors control the general stress response in Rhizobium etli. MicrobiologyOpen, 2013, 2, 976-987.	4.1	30
81	Functional divergence of gene duplicates through ectopic recombination. EMBO Reports, 2012, 13, 1145-1151.	5.2	38
82	The Escherichiaâ€ƒcoli GTPase ObgE modulates hydroxyl radical levels in response to DNA replication fork arrest. FEBS Journal, 2012, 279, 3692-3704.	5.4	9
83	Surface tension gradient control of bacterial swarming in colonies of Pseudomonas aeruginosa. Soft Matter, 2012, 8, 70-76.	2.6	66
84	Spectroscopic characterization of Venus at the single molecule level. Photochemical and Photobiological Sciences, 2012, 11, 358-363.	2.3	9
85	Pseudomonas aeruginosa fosfomycin resistance mechanisms affect non-inherited fluoroquinolone tolerance. Journal of Medical Microbiology, 2011, 60, 329-336.	1.7	34
86	Stress response regulators identified through genome-wide transcriptome analysis of the (p)ppGpp-dependent response in Rhizobium etli. Genome Biology, 2011, 12, .	12.2	78
87	Phenotypic and Genome-Wide Analysis of an Antibiotic-Resistant Small Colony Variant (SCV) of Pseudomonas aeruginosa. PLoS ONE, 2011, 6, e29276.	2.3	89
88	A Comparative Transcriptome Analysis of Rhizobium etli Bacteroids: Specific Gene Expression During Symbiotic Nongrowth. Molecular Plant-Microbe Interactions, 2011, 24, 1553-1561.	3.3	29
89	Rational Design of Photoconvertible and Biphotochromic Fluorescent Proteins for Advanced Microscopy Applications. Chemistry and Biology, 2011, 18, 1241-1251.	4.7	107
90	The Universally Conserved Prokaryotic GTPases. Microbiology and Molecular Biology Reviews, 2011, 75, 507-542.	7.1	199

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91	Quantitative PCR assays to enumerate Rhizobium leguminosarum strains in soil also target non viable cells and overestimate those detected by the plant infection method. Soil Biology and Biochemistry, 2010, 42, 2342-2344.	10.5	4
92	Genome-wide detection of predicted non-coding RNAs in Rhizobium etli expressed during free-living and host-associated growth using a high-resolution tiling array. BMC Genomics, 2010, 11, .	3.3	42
93	Indole-3-acetic acid-regulated genes in Rhizobium etli CNPAF512. FEMS Microbiology Letters, 2009, 291, 195-200.	1.9	55
94	Novel persistence genes in Pseudomonas aeruginosa identified by high-throughput screening. FEMS Microbiology Letters, 2009, 297, 73-79.	1.9	175
95	Rhizobial secreted proteins as determinants of host specificity in the rhizobiumÃ¢Â€Â"legume symbiosis. FEMS Microbiology Letters, 2008, 285, 1-9.	1.9	145
96	Pleiotropic effects of a rel mutation on stress survival of Rhizobium etli CNPAF512. BMC Microbiology, 2008, 8, .	3.8	18
97	Living on a surface: swarming and biofilm formation. Trends in Microbiology, 2008, 16, 496-506.	8.2	453
98	Identification of a novel glyoxylate reductase supports phylogeny-based enzymatic substrate specificity prediction. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1092-1098.	2.0	10
99	TheRhizobium etli optoperon is required for symbiosis and stress resistance. Environmental Microbiology, 2007, 9, 1665-1674.	3.7	8
100	Inactivation of thenodHgene inSinorhizobiumsp. BR816 enhances symbiosis withPhaseolus vulgarisL.. FEMS Microbiology Letters, 2007, 266, 210-217.	1.9	4
101	Interaction of an IHF-like protein with the Rhizobium etli nifA promoter. FEMS Microbiology Letters, 2007, 271, 20-26.	1.9	6
102	Effects of plant growth-promoting rhizobacteria on nodulation of Phaseolus vulgaris L. are dependent on plant P nutrition. European Journal of Plant Pathology, 2007, 119, 341-351.	1.7	57
103	Physiological and genetic analysis of root responsiveness to auxin-producing plant growth-promoting bacteria in common bean (Phaseolus vulgaris L.). Plant and Soil, 2007, 302, 149-161.	3.3	185
104	Genetic Determinants of Swarming in Rhizobium etli. Microbial Ecology, 2007, 55, 54-64.	3.3	29
105	New horizons for (p)ppGpp in bacterial and plant physiology. Trends in Microbiology, 2006, 14, 45-54.	8.2	212
106	Quorum signal molecules as biosurfactants affecting swarming in Rhizobium etli. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14965-14970.	7.5	143
107	Defence of Rhizobium etli bacteroids against oxidative stress involves a complexly regulated atypical 2â€Cys peroxiredoxin. Molecular Microbiology, 2005, 55, 1207-1221.	2.5	60
108	Effective Symbiosis between Rhizobium etli and Phaseolus vulgaris Requires the Alarmone ppGpp. Journal of Bacteriology, 2005, 187, 5460-5469.	2.9	56

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109	Bacterial Endocytic Systems in Plants and Animals: Ca2+as a Common Theme?. Critical Reviews in Plant Sciences, 2005, 24, 283-308.	5.4	7
110	Evidence for the Isomerization and Decarboxylation in the Photoconversion of the Red Fluorescent Protein DsRed. Journal of the American Chemical Society, 2005, 127, 8977-8984.	15.0	83
111	Regulatory Role of Rhizobium etli CNPAF512 fnrN during Symbiosis. Applied and Environmental Microbiology, 2004, 70, 1287-1296.	3.6	17
112	Quorum sensing and swarming migration in bacteria. FEMS Microbiology Reviews, 2004, 28, 261-289.	10.6	536
113	Peptide signal molecules and bacteriocins in Gram-negative bacteria: a genome-wide in silico screening for peptides containing a double-glycine leader sequence and their cognate transporters. Peptides, 2004, 25, 1425-1440.	2.8	115
114	Single-Molecule Surface Enhanced Resonance Raman Spectroscopy of the Enhanced Green Fluorescent Protein. Journal of the American Chemical Society, 2003, 125, 8446-8447.	15.0	155
115	Three Genes Encoding for Putative Methyl- and Acetyltransferases Map Adjacent to the wzm and wzt Genes and Are Essential for O-Antigen Biosynthesis in Rhizobium etli CE3. Molecular Plant-Microbe Interactions, 2003, 16, 1085-1093.	3.3	14
116	The cin Quorum Sensing Locus of Rhizobium etli CNPAF512 Affects Growth and Symbiotic Nitrogen Fixation. Journal of Biological Chemistry, 2002, 277, 462-468.	2.2	122
117	Title is missing!. Genome Biology, 2002, 3, research0076.1.	12.2	64
118	Resonance Energy Transfer in a Calcium Concentration-Dependent Cameleon Protein. Biophysical Journal, 2002, 83, 3499-3506.	2.2	36
119	The functions of Ca2+ in bacteria: a role for EF-hand proteins?. Trends in Microbiology, 2002, 10, 87-93.	8.2	194
120	The Rhizobium etli gene iscN is highly expressed in bacteroids and required for nitrogen fixation. Molecular Genetics and Genomics, 2002, 267, 820-828.	1.9	29
121	Excited-State Dynamics in the Enhanced Green Fluorescent Protein Mutant Probed by Picosecond Time-Resolved Single Photon Counting Spectroscopy. Journal of Physical Chemistry B, 2001, 105, 4999-5006.	2.7	102
122	Stable RK2-Derived Cloning Vectors for the Analysis of Gene Expression and Gene Function in Gram-Negative Bacteria. Molecular Plant-Microbe Interactions, 2001, 14, 426-430.	3.3	125
123	Use of dual marker transposons to identify new symbiosis genes in Rhizobium. Microbial Ecology, 2001, 41, 325-332.	3.3	18
124	Collective effects in individual oligomers of the red fluorescent coral protein DsRed. Chemical Physics Letters, 2001, 336, 415-423.	2.7	42
125	Identification of different emitting species in the red fluorescent protein DsRed by means of ensemble and single-molecule spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 14398-14403.	7.5	152
126	Symbiosis-specific expression of Rhizobium etli casA encoding a secreted calmodulin-related protein. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11114-11119.	7.5	54

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127	Bi-functional gfp-and gusA-containing mini-Tn5 transposon derivatives for combined gene expression and bacterial localization studies. Journal of Microbiological Methods, 1999, 35, 85-92.	1.7	128
128	Phaseolus vulgaris is a non-selective host for nodulation. FEMS Microbiology Ecology, 1998, 26, 193-205.	2.8	124
129	Corrigendum to Ã¢Â€ÂœPhaseolus vulgaris is a non-selective host for nodulationÃ¢Â€Â• FEMS Microbiology Ecology, 1998, 27, 301-301.	2.8	1
130	The Rhizobium etli FixL protein differs in structure from other known FixL proteins. Molecular Genetics and Genomics, 1998, 257, 576-580.	0.5	16
131	Sequence Analysis of theRhizobium etliRibose Kinase GenerbsKand its Phylogenetic Position. DNA Sequence, 1998, 9, 317-321.	0.5	0
132	Phaseolus vulgaris is a non-selective host for nodulation. FEMS Microbiology Ecology, 1998, 26, 193-205.	2.8	5
133	Differential Regulation of <i>Rhizobium etli rpoN2</i> Gene Expression during Symbiosis and Free-Living Growth. Journal of Bacteriology, 1998, 180, 3620-3628.	2.9	64
134	<i>luxI</i> - and <i>luxR</i> -Homologous Genes of <i>Rhizobium etli</i> CNPAF512 Contribute to Synthesis of Autoinducer Molecules and Nodulation of	2.9	112
135	The <i>Rhizobium etli rpoN</i> Locus: DNA Sequence Analysis and Phenotypical Characterization of <i>rpoN</i> , <i>ptsN</i>	2.9	75
136	Structural and functional analysis of the fixLJ genes of Rhizobium leguminosarum biovar phaseoli CNPAF512. Molecular Genetics and Genomics, 1995, 249, 117-126.	0.5	60
137	Identification and Characterization of aRhizobium leguminosarumbv.phaseoliGene that Is Important for Nodulation Competitiveness and Shows Structural Homology to aRhizobium frediiHost-Inducible Gene. Molecular Plant-Microbe Interactions, 1995, 8, 468.	3.3	18
138	Molecular basis of the establishment and functioning of a N2-fixing root nodule. World Journal of Microbiology and Biotechnology, 1994, 10, 612-630.	3.8	5
139	Characterization of the Rhizobium leguminosarum biovar phaseoli nifA gene, a positive regulator of nif gene expression. Archives of Microbiology, 1994, 161, 404-408.	2.4	43
140	Effects of Temperature Stress on Bean-Nodulating Rhizobium Strains. Applied and Environmental Microbiology, 1994, 60, 1206-1212.	3.6	108
141	Cloning and sequence of the Rhizobium leguminosarum biovar phaseoli fixA gene. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1144, 232-233.	0.9	15
142	Sequence of theRhizobium leguminosarumbiovarphaseoli syrMgene. Nucleic Acids Research, 1993, 21, 3893-3893.	15.5	9
143	Transcription of the Azospirillum brasilense nifH gene is positively regulated by NifA and NtrA and is negatively controlled by the cellular nitrogen status. Molecular Genetics and Genomics, 1992, 232, 279-283.	0.5	26
144	Molecular cloning and nucleotide sequence of the Rhizobium phaseoli recA gene. Molecular Genetics and Genomics, 1991, 228, 486-490.	0.5	31

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145	Controlled release of chlorhexidine from a mesoporous silica-containing macroporous titanium dental implant prevents microbial biofilm formation. , 0, 33, 13-27.		26
146	Fast track to environmentally adapted rhizobia for growing soybean at northern latitudes using citizen science. ISME Journal, 0, , .	9.1	1
147	Reprogramming the EnvZ-OmpR two-component system confers ethanol tolerance in Escherichia coli by stabilizing the outer membrane and altering ferric homeostasis. PLoS Genetics, 0, 21, e1011707.	3.2	0
148	Heterologous expression and functional characterization of novel microcin B17 congeners from environmental Pseudomonas isolates. Applied Microbiology and Biotechnology, 0, 110, .	4.0	0