Jan Michiels

List of Publications by Year
in descending order

176 papers	10,623 citations	31976 53 h-index	39675 94 g-index
181 all docs	181 docs citations	181 times ranked	11246 citing authors

#	Article	IF	Citations
1	Definitions and guidelines for research on antibiotic persistence. Nature Reviews Microbiology, 2019, 17, 441-448.	28.6	748
2	Quorum sensing and swarming migration in bacteria. FEMS Microbiology Reviews, 2004, 28, 261-289.	8.6	488
3	Living on a surface: swarming and biofilm formation. Trends in Microbiology, 2008, 16, 496-506.	7.7	402
4	Role of persister cells in chronic infections: clinical relevance and perspectives on anti-persister therapies. Journal of Medical Microbiology, 2011, 60, 699-709.	1.8	356
5	Formation, physiology, ecology, evolution and clinical importance of bacterial persisters. FEMS Microbiology Reviews, 2017, 41, 219-251.	8.6	291
6	Obg and Membrane Depolarization Are Part of a Microbial Bet-Hedging Strategy that Leads to Antibiotic Tolerance. Molecular Cell, 2015, 59, 9-21.	9.7	261
7	Bacterial persistence promotes the evolution of antibiotic resistance by increasing survival and mutation rates. ISME Journal, 2019, 13, 1239-1251.	9.8	223
8	New horizons for (p)ppGpp in bacterial and plant physiology. Trends in Microbiology, 2006, 14, 45-54.	7.7	210
9	Frequency of antibiotic application drives rapid evolutionary adaptation of Escherichia coli persistence. Nature Microbiology, 2016, 1, 16020.	13.3	210
10	The functions of Ca2+ in bacteria: a role for EF-hand proteins?. Trends in Microbiology, 2002, 10, 87-93.	7.7	187
11	The Universally Conserved Prokaryotic GTPases. Microbiology and Molecular Biology Reviews, 2011, 75, 507-542.	6.6	175
12	Physiological and genetic analysis of root responsiveness to auxin-producing plant growth-promoting bacteria in common bean (Phaseolus vulgaris L.). Plant and Soil, 2008, 302, 149-161.	3.7	169
13	Fighting bacterial persistence: Current and emerging anti-persister strategies and therapeutics. Drug Resistance Updates, 2018, 38, 12-26.	14.4	167
14	Novel persistence genes in<i>Pseudomonas aeruginosa</i>identified by high-throughput screening. FEMS Microbiology Letters, 2009, 297, 73-79.	1.8	166
15	The Fungal Aroma Gene ATF1 Promotes Dispersal of Yeast Cells through Insect Vectors. Cell Reports, 2014, 9, 425-432.	6.4	163
16	Single-Molecule Surface Enhanced Resonance Raman Spectroscopy of the Enhanced Green Fluorescent Protein. Journal of the American Chemical Society, 2003, 125, 8446-8447.	13.7	153
17	Art-175 Is a Highly Efficient Antibacterial against Multidrug-Resistant Strains and Persisters of Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2014, 58, 3774-3784.	3.2	152
18	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.	7.1	151

#	Article	IF	Citations
19	Rhizobial secreted proteins as determinants of host specificity in the rhizobiumÃ¢Â€Â“legume symbiosis. FEMS Microbiology Letters, 2008, 285, 1-9.	1.8	139
20	Molecular mechanisms and clinical implications of bacterial persistence. Drug Resistance Updates, 2016, 29, 76-89.	14.4	136
21	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.	7.1	135
22	Experimental Design, Population Dynamics, and Diversity in Microbial Experimental Evolution. Microbiology and Molecular Biology Reviews, 2018, 82, .	6.6	132
23	New-found fundamentals of bacterial persistence. Trends in Microbiology, 2012, 20, 577-585.	7.7	126
24	General Mechanisms Leading to Persister Formation and Awakening. Trends in Genetics, 2019, 35, 401-411.	6.7	126
25	Bacterial Heterogeneity and Antibiotic Survival: Understanding and Combatting Persistence and Heteroresistance. Molecular Cell, 2019, 76, 255-267.	9.7	123
26	Phaseolus vulgaris is a non-selective host for nodulation. FEMS Microbiology Ecology, 1998, 26, 193-205.	2.7	122
27	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.	1.6	122
28	The cin Quorum Sensing Locus of Rhizobium etli CNPAF512 Affects Growth and Symbiotic Nitrogen Fixation. Journal of Biological Chemistry, 2002, 277, 462-468.	3.4	120
29	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.	2.6	119
30	Spatial-Temporal Colonization Patterns of<i>Azospirillum brasilense</i>on the Wheat Root Surface and Expression of the Bacterial<i>nifH</i>Gene during Association. Molecular Plant-Microbe Interactions, 1993, 6, 592.	2.6	119
31	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.	2.4	108
32	<i>luxI</i> - and <i>luxR</i> -Homologous Genes of <i>Rhizobium etli</i> CNPAF512 Contribute to Synthesis of Autoinducer Molecules and Nodulation of <i>Phaseolus vulgaris</i>. Journal of Bacteriology, 1998, 180, 815-821.	2.2	108
33	Antibiotics: Combatting Tolerance To Stop Resistance. MBio, 2019, 10, .	4.1	103
34	Effects of Temperature Stress on Bean-Nodulating <i>Rhizobium</i> Strains. Applied and Environmental Microbiology, 1994, 60, 1206-1212.	3.1	103
35	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.	2.6	100
36	Efficacy of Artilysin Art-175 against Resistant and Persistent Acinetobacter baumannii. Antimicrobial Agents and Chemotherapy, 2016, 60, 3480-3488.	3.2	99

#	ARTICLE	IF	CITATIONS
37	Processing and export of peptide pheromones and bacteriocins in Gram-negative bacteria. Trends in Microbiology, 2001, 9, 164-168.	7.7	96
38	Rational Design of Photoconvertible and Biphotochromic Fluorescent Proteins for Advanced Microscopy Applications. Chemistry and Biology, 2011, 18, 1241-1251.	6.0	96
39	Adaptive tuning of mutation rates allows fast response to lethal stress in Escherichia coli. ELife, 2017, 6, .	6.0	86
40	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.	3.2	83
41	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.	13.7	82
42	Phenotypic and Genome-Wide Analysis of an Antibiotic-Resistant Small Colony Variant (SCV) of Pseudomonas aeruginosa. PLoS ONE, 2011, 6, e29276.	2.5	81
43	<i>In Vitro</i> Emergence of High Persistence upon Periodic Aminoglycoside Challenge in the ESKAPE Pathogens. Antimicrobial Agents and Chemotherapy, 2016, 60, 4630-4637.	3.2	75
44	Measuring the Viscosity of the Escherichia coli Plasma Membrane Using Molecular Rotors. Biophysical Journal, 2016, 111, 1528-1540.	0.5	75
45	The <i>Rhizobium etli rpoN</i> Locus: DNA Sequence Analysis and Phenotypical Characterization of <i>rpoN</i> , <i>ptsN</i> , and <i>ptsA</i> Mutants. Journal of Bacteriology, 1998, 180, 1729-1740.	2.2	75
46	Stress response regulators identified through genome-wide transcriptome analysis of the (p)ppGpp-dependent response in Rhizobium etli. Genome Biology, 2011, 12, R17.	9.6	74
47	Covalent immobilization of antimicrobial agents on titanium prevents<i>Staphylococcus aureus</i>and<i>Candida albicans</i>colonization and biofilm formation. Journal of Antimicrobial Chemotherapy, 2016, 71, 936-945.	3.0	68
48	The Persistence-Inducing Toxin HokB Forms Dynamic Pores That Cause ATP Leakage. MBio, 2018, 9, .	4.1	68
49	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.	3.2	67
50	Differential Regulation of <i>Rhizobium etli rpoN2</i> Gene Expression during Symbiosis and Free-Living Growth. Journal of Bacteriology, 1998, 180, 3620-3628.	2.2	64
51	An integrative view of cell cycle control in Escherichia coli. FEMS Microbiology Reviews, 2018, 42, 116-136.	8.6	63
52	Prediction and overview of the RpoN-regulon in closely related species of the Rhizobiales. Genome Biology, 2002, 3, research0076.1.	9.6	62
53	Structural and functional analysis of the fixLJ genes of Rhizobium leguminosarum biovar phaseoli CNPAF512. Molecular Genetics and Genomics, 1995, 249, 117-126.	2.4	60
54	Defence of <i>Rhizobium etli</i> bacteroids against oxidative stress involves a complexly regulated atypical 2â€Cys peroxiredoxin. Molecular Microbiology, 2005, 55, 1207-1221.	2.5	59

#	Article	IF	Citations
55	Surface tension gradient control of bacterial swarming in colonies of Pseudomonas aeruginosa. Soft Matter, 2012, 8, 70-76.	2.7	57
56	HokB Monomerization and Membrane Repolarization Control Persister Awakening. Molecular Cell, 2019, 75, 1031-1042.e4.	9.7	57
57	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	56
58	Derivatives of the Mouse Cathelicidin-Related Antimicrobial Peptide (CRAMP) Inhibit Fungal and Bacterial Biofilm Formation. Antimicrobial Agents and Chemotherapy, 2014, 58, 5395-5404.	3.2	55
59	Bacterial Obg proteins: GTPases at the nexus of protein and DNA synthesis. Critical Reviews in Microbiology, 2014, 40, 207-224.	6.1	54
60	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.	7.1	53
61	Effective Symbiosis between Rhizobium etli and Phaseolus vulgaris Requires the Alarmone ppGpp. Journal of Bacteriology, 2005, 187, 5460-5469.	2.2	53
62	Indole-3-acetic acid-regulated genes in<i>Rhizobium etli</i>CNPAF512. FEMS Microbiology Letters, 2009, 291, 195-200.	1.8	53
63	Hitting with a BAM: Selective Killing by Lectin-Like Bacteriocins. MBio, 2018, 9, .	4.1	48
64	The Crabtree Effect Shapes the Saccharomyces cerevisiae Lag Phase during the Switch between Different Carbon Sources. MBio, 2018, 9, .	4.1	46
65	Frequency-based haplotype reconstruction from deep sequencing data of bacterial populations. Nucleic Acids Research, 2015, 43, e105-e105.	14.5	45
66	Bacteria under antibiotic attack: Different strategies for evolutionary adaptation. PLoS Pathogens, 2020, 16, e1008431.	4.7	45
67	Characterization of the Rhizobium leguminosarum biovar phaseoli nifA gene, a positive regulator of nif gene expression. Archives of Microbiology, 1994, 161, 404-408.	2.2	42
68	Collective effects in individual oligomers of the red fluorescent coral protein DsRed. Chemical Physics Letters, 2001, 336, 415-423.	2.6	42
69	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, 53.	2.8	42
70	The Dynamic Transition of Persistence toward the Viable but Nonculturable State during Stationary Phase Is Driven by Protein Aggregation. MBio, 2021, 12, e0070321.	4.1	42
71	COLOMBOS v2.0: an ever expanding collection of bacterial expression compendia: Table 1.. Nucleic Acids Research, 2014, 42, D649-D653.	14.5	38
72	Fitness tradeâ€offs explain low levels of persister cells in the opportunistic pathogen <i>PseudomonasÂaeruginosa</i>. Molecular Ecology, 2015, 24, 1572-1583.	3.9	38

#	Article	IF	Citations
73	Screening genomes of Gram-positive bacteria for double-glycine-motif-containing peptides. Microbiology (United Kingdom), 2004, 150, 1121-1126.	1.8	37
74	Resonance Energy Transfer in a Calcium Concentration-Dependent Cameleon Protein. Biophysical Journal, 2002, 83, 3499-3506.	0.5	36
75	New approaches to combat <i>Porphyromonas gingivalis</i> biofilms. Journal of Oral Microbiology, 2017, 9, 1300366.	2.7	36
76	High-throughput time-resolved morphology screening in bacteria reveals phenotypic responses to antibiotics. Communications Biology, 2019, 2, 269.	4.4	35
77	Pseudomonas aeruginosa fosfomycin resistance mechanisms affect non-inherited fluoroquinolone tolerance. Journal of Medical Microbiology, 2011, 60, 329-336.	1.8	33
78	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.	2.8	33
79	Functional divergence of gene duplicates through ectopic recombination. EMBO Reports, 2012, 13, 1145-1151.	4.5	32
80	Desiccation-induced cell damage in bacteria and the relevance for inoculant production. Applied Microbiology and Biotechnology, 2020, 104, 3757-3770.	3.6	32
81	Molecular cloning and nucleotide sequence of the Rhizobium phaseoli recA gene. Molecular Genetics and Genomics, 1991, 228, 486-490.	2.4	31
82	Elucidation of the Mode of Action of a New Antibacterial Compound Active against Staphylococcus aureus and Pseudomonas aeruginosa. PLoS ONE, 2016, 11, e0155139.	2.5	30
83	Enrichment of persisters enabled by a ÃŸ-lactam-induced filamentation method reveals their stochastic single-cell awakening. Communications Biology, 2019, 2, 426.	4.4	30
84	Antibacterial activity of a new broadâ€spectrum antibiotic covalently bound to titanium surfaces. Journal of Orthopaedic Research, 2016, 34, 2191-2198.	2.3	29
85	Ethanol exposure increases mutation rate through error-prone polymerases. Nature Communications, 2020, 11, 3664.	12.8	29
86	Protein Aggregation as a Bacterial Strategy to Survive Antibiotic Treatment. Frontiers in Molecular Biosciences, 2021, 8, 669664.	3.5	29
87	The Rhizobium etli gene iscN is highly expressed in bacteroids and required for nitrogen fixation. Molecular Genetics and Genomics, 2002, 267, 820-828.	2.1	28
88	Genetic Determinants of Swarming in Rhizobium etli. Microbial Ecology, 2008, 55, 54-64.	2.8	28
89	A Comparative Transcriptome Analysis of <i>Rhizobium etli</i> Bacteroids: Specific Gene Expression During Symbiotic Nongrowth. Molecular Plant-Microbe Interactions, 2011, 24, 1553-1561.	2.6	28
90	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.	8.8	28

#	Article	IF	Citations
91	Canonical and nonâ€canonical EcfG sigma factors control the general stress response in <i>Rhizobium etli</i>. MicrobiologyOpen, 2013, 2, 976-987.	3.0	25
92	A putative de-<i>N</i>-acetylase of the PIG-L superfamily affects fluoroquinolone tolerance in<i>Pseudomonas aeruginosa</i>. Pathogens and Disease, 2014, 71, 39-54.	2.0	25
93	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.	5.0	25
94	Repurposing Toremifene for Treatment of Oral Bacterial Infections. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	25
95	Controlled release of chlorhexidine from a mesoporous silica-containing macroporous titanium dental implant prevents microbial biofilm formation. , 2017, 33, 13-27.		24
96	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.	3.6	23
97	Rhizobium etli HrpW is a pectin-degrading enzyme and differs from phytopathogenic homologues in enzymically crucial tryptophan and glycine residues. Microbiology (United Kingdom), 2009, 155, 3045-3054.	1.8	22
98	Oral Administration of the Broad-Spectrum Antibiofilm Compound Toremifene Inhibits Candida albicans and Staphylococcus aureus Biofilm Formation <i>In Vivo</i>. Antimicrobial Agents and Chemotherapy, 2014, 58, 7606-7610.	3.2	22
99	A Single-Amino-Acid Substitution in Obg Activates a New Programmed Cell Death Pathway in Escherichia coli. MBio, 2015, 6, e01935-15.	4.1	22
100	Population Bottlenecks Strongly Affect the Evolutionary Dynamics of Antibiotic Persistence. Molecular Biology and Evolution, 2021, 38, 3345-3357.	8.9	22
101	Revealing the Excited-State Dynamics of the Fluorescent Protein Dendra2. Journal of Physical Chemistry B, 2013, 117, 2300-2313.	2.6	21
102	Mutations in respiratory complex I promote antibiotic persistence through alterations in intracellular acidity and protein synthesis. Nature Communications, 2022, 13, 546.	12.8	21
103	Structural and biochemical analysis of Escherichia coli ObgE, a central regulator of bacterial persistence. Journal of Biological Chemistry, 2017, 292, 5871-5883.	3.4	20
104	Transcription-coupled DNA repair underlies variation in persister awakening and the emergence of resistance. Cell Reports, 2022, 38, 110427.	6.4	20
105	Selection mosaics differentiate <i>Rhizobium</i>â€“host plant interactions across different nitrogen environments. Oikos, 2016, 125, 1755-1761.	2.7	19
106	Should we develop screens for multi-drug antibiotic tolerance?. Expert Review of Anti-Infective Therapy, 2016, 14, 613-616.	4.4	19
107	A Historical Perspective on Bacterial Persistence. Methods in Molecular Biology, 2016, 1333, 3-13.	0.9	19
108	Pleiotropic effects of a rel mutation on stress survival of Rhizobium etli CNPAF512. BMC Microbiology, 2008, 8, 219.	3.3	18

#	Article	IF	Citations
109	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.	3.2	18
110	Identification and Characterization of a<i>Rhizobium leguminosarum</i>bv.<i>phaseoli</i>Gene that Is Important for Nodulation Competitiveness and Shows Structural Homology to a<i>Rhizobium fredii</i>Host-Inducible Gene. Molecular Plant-Microbe Interactions, 1995, 8, 468.	2.6	18
111	Image-Based Dynamic Phenotyping Reveals Genetic Determinants of Filamentation-Mediated Î^{2}-Lactam Tolerance. Frontiers in Microbiology, 2020, 11, 374.	3.5	17
112	Quorum Sensing in Bacteria-Plant Interactions. Soil Biology, 2008, , 265-289.	0.8	17
113	The Rhizobium etli FixL protein differs in structure from other known FixL proteins. Molecular Genetics and Genomics, 1998, 257, 576-580.	2.4	16
114	Regulatory Role of Rhizobium etli CNPAF512 fnrN during Symbiosis. Applied and Environmental Microbiology, 2004, 70, 1287-1296.	3.1	16
115	Identification and characterization of an anti-pseudomonal dichlorocarbazol derivative displaying anti-biofilm activity. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5404-5408.	2.2	16
116	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, .	3.2	16
117	Network-Based Identification of Adaptive Pathways in Evolved Ethanol-Tolerant Bacterial Populations. Molecular Biology and Evolution, 2017, 34, 2927-2943.	8.9	16
118	Cloning and sequence of the Rhizobium leguminosarum biovar phaseoli fixA gene. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1144, 232-233.	1.0	15
119	<i>In vitro</i> activity of the antiasthmatic drug zafirlukast against the oral pathogens <i>Porphyromonas gingivalis</i> and <i>Streptococcus mutans</i>. FEMS Microbiology Letters, 2017, 364, fnx005.	1.8	15
120	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.	2.6	14
121	Excited state dynamics of the photoconvertible fluorescent protein Kaede revealed by ultrafast spectroscopy. Photochemical and Photobiological Sciences, 2014, 13, 867-874.	2.9	14
122	Reactive oxygen species do not contribute to ObgE*-mediated programmed cell death. Scientific Reports, 2016, 6, 33723.	3.3	14
123	A Mutant Isoform of ObgE Causes Cell Death by Interfering with Cell Division. Frontiers in Microbiology, 2017, 8, 1193.	3.5	14
124	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.	4.1	13
125	Symbiont abundance is more important than pre-infection partner choice in a Rhizobium â€“ legume mutualism. Systematic and Applied Microbiology, 2016, 39, 345-349.	2.8	11
126	Identification of a novel glyoxylate reductase supports phylogeny-based enzymatic substrate specificity prediction. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1092-1098.	2.3	10

#	Article	IF	Citations
127	Genome Sequence of Rhizobium etli CNPAF512, a Nitrogen-Fixing Symbiont Isolated from Bean Root Nodules in Brazil. Journal of Bacteriology, 2011, 193, 3158-3159.	2.2	10
128	Draft Genome Sequence of Pseudomonas putida BW11M1, a Banana Rhizosphere Isolate with a Diversified Antimicrobial Armamentarium. Genome Announcements, 2016, 4, .	0.8	10
129	Bacterial Persistence. Methods in Molecular Biology, 2016, , .	0.9	10
130	Sequence of theRhizobium leguminosarumbiovarphaseoli syrMgene. Nucleic Acids Research, 1993, 21, 3893-3893.	14.5	9
131	The <i>Escherichia</i>â€ƒ<i>coli</i> GTPase ObgE modulates hydroxyl radical levels in response to DNA replication fork arrest. FEBS Journal, 2012, 279, 3692-3704.	4.7	9
132	Spectroscopic characterization of Venus at the single molecule level. Photochemical and Photobiological Sciences, 2012, 11, 358-363.	2.9	9
133	A study of SeqA subcellular localization in Escherichia coli using photo-activated localization microscopy. Faraday Discussions, 2015, 184, 425-450.	3.2	9
134	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, 2585.	3.5	9
135	1-((2,4-Dichlorophenethyl)Amino)-3-Phenoxypropan-2-ol Kills Pseudomonas aeruginosa through Extensive Membrane Damage. Frontiers in Microbiology, 2018, 9, 129.	3.5	9
136	Model-Driven Controlled Alteration of Nanopillar Cap Architecture Reveals its Effects on Bactericidal Activity. Microorganisms, 2020, 8, 186.	3.6	9
137	Implant functionalization with mesoporous silica: A promising antibacterial strategy, but does such an implant osseointegrate?. Clinical and Experimental Dental Research, 2021, 7, 502-511.	1.9	9
138	Repurposing AM404 for the treatment of oral infections by <scp><i>Porphyromonas gingivalis</i></scp>. Clinical and Experimental Dental Research, 2017, 3, 69-76.	1.9	8
139	CRISPR-FRT targets shared sites in a knock-out collection for off-the-shelf genome editing. Nature Communications, 2018, 9, 2231.	12.8	8
140	Increasing Solvent Tolerance to Improve Microbial Production of Alcohols, Terpenoids and Aromatics. Microorganisms, 2021, 9, 249.	3.6	8
141	Membrane depolarization-triggered responsive diversification leads to antibiotic tolerance. Microbial Cell, 2015, 2, 299-301.	3.2	8
142	Bacterial Endocytic Systems in Plants and Animals: Ca2+as a Common Theme?. Critical Reviews in Plant Sciences, 2005, 24, 283-308.	5.7	7
143	TheRhizobium etli optoperon is required for symbiosis and stress resistance. Environmental Microbiology, 2007, 9, 1665-1674.	3.8	7
144	Biochemical determinants of ObgEâ€•mediated persistence. Molecular Microbiology, 2019, 112, 1593-1608.	2.5	7

#	Article	IF	Citations
145	Genetic Determinants of Persistence in Escherichia coli. , 2019, , 133-180.		7
146	Effects of plant growth-promoting rhizobacteria on nodulation of Phaseolus vulgaris L. are dependent on plant P nutrition. , 2007, , 341-351.		6
147	Interaction of an IHF-like protein with the Rhizobium etli nifA promoter. FEMS Microbiology Letters, 2007, 271, 20-26.	1.8	6
148	Draft genome sequence of Acinetobacter baumannii strain NCTC 13423, a multidrug-resistant clinical isolate. Standards in Genomic Sciences, 2016, 11, 57.	1.5	6
149	Experimental Evolution of Escherichia coli Persister Levels Using Cyclic Antibiotic Treatments. Methods in Molecular Biology, 2016, 1333, 131-143.	0.9	6
150	The Putative De-N-acetylase DnpA Contributes to Intracellular and Biofilm-Associated Persistence of Pseudomonas aeruginosa Exposed to Fluoroquinolones. Frontiers in Microbiology, 2018, 9, 1455.	3.5	6
151	Alternative dimerization is required for activity and inhibition of the HEPN ribonuclease RnlA. Nucleic Acids Research, 2021, 49, 7164-7178.	14.5	6
152	Molecular basis of the establishment and functioning of a N2-fixing root nodule. World Journal of Microbiology and Biotechnology, 1994, 10, 612-630.	3.6	5
153	Membrane localization and topology of the DnpA protein control fluoroquinolone tolerance in<i>Pseudomonas aeruginosa</i>. FEMS Microbiology Letters, 2016, 363, fnw184.	1.8	5
154	Stabbed while Sleeping: Synthetic Retinoid Antibiotics Kill Bacterial Persister Cells. Molecular Cell, 2018, 70, 763-764.	9.7	5
155	Phaseolus vulgaris is a non-selective host for nodulation. FEMS Microbiology Ecology, 1998, 26, 193-205.	2.7	5
156	The bacterial cell cycle checkpoint protein Obg and its role in programmed cell death. Microbial Cell, 2016, 3, 255-256.	3.2	5
157	Inactivation of thenodHgene inSinorhizobiumsp. BR816 enhances symbiosis withPhaseolus vulgarisL.. FEMS Microbiology Letters, 2007, 266, 210-217.	1.8	4
158	Synthetic reconstruction of extreme high hydrostatic pressure resistance in Escherichia coli. Metabolic Engineering, 2020, 62, 287-297.	7.0	4
159	The Role of Biosurfactants in Bacterial Systems. Biological and Medical Physics Series, 2015, , 189-204.	0.4	3
160	Genome-Wide Association Study Reveals Host Factors Affecting Conjugation in Escherichia coli. Microorganisms, 2022, 10, 608.	3.6	3
161	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.	8.8	2
162	A Whole-Cell-Based High-Throughput Screening Method to Identify Molecules Targeting Pseudomonas aeruginosa Persister Cells. Methods in Molecular Biology, 2016, 1333, 113-120.	0.9	2

#	Article	IF	Citations
163	The <i>Escherichia coli</i> RnlAâ€“RnlB toxinâ€“antitoxin complex: production, characterization and crystallization. Acta Crystallographica Section F, Structural Biology Communications, 2020, 76, 31-39.	0.8	2
164	Studying Bacterial Persistence: Established Methods and Current Advances. Methods in Molecular Biology, 2021, 2357, 3-20.	0.9	2
165	Functional analysis of cysteine residues of the Hok/Gef type I toxins in Escherichia coli. FEMS Microbiology Letters, 2021, 368, .	1.8	2
166	Corrigendum to Ã¢Â€ÂœPhaseolus vulgaris is a non-selective host for nodulationÃ¢Â€Â FEMS Microbiology Ecology, 1998, 27, 301-301.	2.7	1
167	IAMBEE: a web-service for the identification of adaptive pathways from parallel evolved clonal populations. Nucleic Acids Research, 2019, 47, W151-W157.	14.5	1
168	Detecting Persister Awakening Determinants. Methods in Molecular Biology, 2021, 2357, 197-208.	0.9	1
169	Antibiotic persistence: The power of being a diploid. Current Biology, 2021, 31, R493-R495.	3.9	1
170	Enrichment of Persister Cells Through Î²-Lactam-Induced Filamentation and Size Separation. Methods in Molecular Biology, 2021, 2357, 63-69.	0.9	1
171	Identification of novel persistence genes in Pseudomonas aeruginosa in the combat against emerging antimicrobial resistance. Communications in Agricultural and Applied Biological Sciences, 2009, 74, 51-6.	0.0	1
172	Assessing persister awakening dynamics following antibiotic treatment in E.Âcoli. STAR Protocols, 2022, 3, 101476.	1.2	1
173	Sequence Analysis of theRhizobium etliRibose Kinase GenerbsKand its Phylogenetic Position. DNA Sequence, 1998, 9, 317-321.	0.7	0
174	Excited state processes in individual multichromophoric systems. , 2003, 4962, 1.		0
175	A Study of SeqA Subcellular Localization in Escherichia Coli using Photo-Activated Localization Microscopy. Biophysical Journal, 2016, 110, 649a.	0.5	0
176	Draft genome sequence of Enterococcus faecium strain LMG 8148. Standards in Genomic Sciences, 2016, 11, 63.	1.5	0