

Quorum sensing in bacteria: the LuxR-LuxI family of cell-to-cell communication regulators

Journal of Bacteriology

176, 269-275

DOI: [10.1128/jb.176.2.269-275.1994](https://doi.org/10.1128/jb.176.2.269-275.1994)

Citation Report

#	ARTICLE	IF	CITATIONS
3	Intramolecular signal transduction within the FixJ transcriptional activator: in vitro evidence for the inhibitory effect of the phosphorylatable regulatory domain. <i>Nucleic Acids Research</i> , 1994, 22, 1555-1561.	6.5	56
4	Pathogenicity Determinants and Global Regulation of Pathogenicity of <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Current Topics in Microbiology and Immunology</i> , 1994, 192, 29-41.	0.7	62
5	Plant-Pathogen Encounters in Edinburgh. <i>Plant Cell</i> , 1994, 6, 1332.	3.1	0
6	Bacterial lipases. <i>FEMS Microbiology Reviews</i> , 1994, 15, 29-63.	3.9	867
7	Multiple signalling systems controlling expression of luminescence in <i>Vibrio harveyi</i> : sequence and function of genes encoding a second sensory pathway. <i>Molecular Microbiology</i> , 1994, 13, 273-286.	1.2	624
8	A-factor as a microbial hormone that controls cellular differentiation and secondary metabolism in <i>Streptomyces griseus</i> . <i>Molecular Microbiology</i> , 1994, 12, 859-864.	1.2	164
9	Proximal and distal sites bind LuxR independently and activate expression of the <i>Vibrio harveyi</i> lux operon. <i>Molecular Microbiology</i> , 1994, 14, 255-262.	1.2	41
10	Intercellular Signalling: Knowing that you're among friends. <i>Current Biology</i> , 1994, 4, 734-735.	1.8	10
11	Genetics of Bacterial Bioluminescence. <i>Annual Review of Genetics</i> , 1994, 28, 117-139.	3.2	175
12	Extracellular Enzymes and Pathogenesis of Soft-Rot <i>Erwinia</i> . <i>Annual Review of Phytopathology</i> , 1994, 32, 201-234.	3.5	474
13	Gram-negative bacterial communication by N-acyl homoserine lactones: a universal language?. <i>Trends in Microbiology</i> , 1994, 2, 193-198.	3.5	105
14	Chemosensing and signal transduction in bacteria. <i>Current Opinion in Neurobiology</i> , 1994, 4, 474-480.	2.0	6
15	Sensing starvation: a homoserine lactone-dependent signaling pathway in <i>Escherichia coli</i> . <i>Science</i> , 1994, 265, 537-539.	6.0	230
16	Phenazine antibiotic biosynthesis in <i>Pseudomonas aureofaciens</i> 30-84 is regulated by PhzR in response to cell density. <i>Journal of Bacteriology</i> , 1994, 176, 3966-3974.	1.0	234
17	Interchangeability and specificity of components from the quorum-sensing regulatory systems of <i>Vibrio fischeri</i> and <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 1994, 176, 3076-3080.	1.0	140
18	A LuxR-LuxI type regulatory system activates <i>Agrobacterium</i> Ti plasmid conjugal transfer in the presence of a plant tumor metabolite. <i>Journal of Bacteriology</i> , 1994, 176, 2796-2806.	1.0	463
19	Synergistic binding of the <i>Vibrio fischeri</i> LuxR transcriptional activator domain and RNA polymerase to the lux promoter region.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 12619-12623.	3.3	200
20	An unmodified heptadecapeptide pheromone induces competence for genetic transformation in <i>Streptococcus pneumoniae</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 11140-11144.	3.3	692

#	ARTICLE	IF	CITATIONS
21	Autoinducer-mediated regulation of rhamnolipid biosurfactant synthesis in <i>Pseudomonas aeruginosa</i> . Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6424-6428.	3.3	512
22	Synthesis of multiple exoproducts in <i>Pseudomonas aeruginosa</i> is under the control of RhlR-RhlI, another set of regulators in strain PAO1 with homology to the autoinducer-responsive LuxR-LuxI family. Journal of Bacteriology, 1995, 177, 7155-7163.	1.0	507
23	A new regulatory element modulates homoserine lactone-mediated autoinduction of Ti plasmid conjugal transfer. Journal of Bacteriology, 1995, 177, 449-458.	1.0	144
24	Identification of a global repressor gene, <i>rsmA</i> , of <i>Erwinia carotovora</i> subsp. <i>carotovora</i> that controls extracellular enzymes, N-(3-oxohexanoyl)-L-homoserine lactone, and pathogenicity in soft-rotting <i>Erwinia</i> spp. Journal of Bacteriology, 1995, 177, 5108-5115.	1.0	218
25	Evidence that the N-terminal region of the <i>Vibrio fischeri</i> LuxR protein constitutes an autoinducer-binding domain. Journal of Bacteriology, 1995, 177, 815-817.	1.0	186
26	Detection and quantification of <i>Vibrio fischeri</i> autoinducer from symbiotic squid light organs. Journal of Bacteriology, 1995, 177, 1053-1058.	1.0	88
27	The <i>lux</i> autoinducer-receptor interaction in <i>Vibrio harveyi</i> : binding parameters and structural requirements for the autoinducer. Biochemical Journal, 1995, 312, 439-444.	1.7	16
28	Influence of <i>Pseudomonas aeruginosa</i> exoproducts on virulence factor production in <i>Burkholderia cepacia</i> : evidence of interspecies communication. Journal of Bacteriology, 1995, 177, 6989-6992.	1.0	137
29	Capsular polysaccharide biosynthesis and pathogenicity in <i>Erwinia stewartii</i> require induction by an N-acylhomoserine lactone autoinducer. Journal of Bacteriology, 1995, 177, 5000-5008.	1.0	268
30	Activation of the <i>Pseudomonas aeruginosa</i> <i>lasI</i> gene by LasR and the <i>Pseudomonas</i> autoinducer PAI: an autoinduction regulatory hierarchy. Journal of Bacteriology, 1995, 177, 654-659.	1.0	314
31	AinS and a new family of autoinducer synthesis proteins. Journal of Bacteriology, 1995, 177, 6946-6951.	1.0	181
32	Multiple N-acyl-L-homoserine lactone signal molecules regulate production of virulence determinants and secondary metabolites in <i>Pseudomonas aeruginosa</i> . Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 9427-9431.	3.3	492
33	Signal transduction and secondary metabolism: prospects for controlling productivity. Trends in Biotechnology, 1995, 13, 264-269.	4.9	43
34	SYMPOSIUM PRINT. Photochemistry and Photobiology, 1995, 62, 599-600.	1.3	16
35	REGULATORY CIRCUITRY CONTROLLING LUMINESCENCE AUTOINDUCTION IN <i>Vibrio fischeri</i> . Photochemistry and Photobiology, 1995, 62, 625-632.	1.3	45
36	BIOTECHNOLOGICAL APPLICATIONS OF BACTERIAL BIOLUMINESCENCE (<i>lux</i>) GENES. Photochemistry and Photobiology, 1995, 62, 641-650.	1.3	54
37	The significances of bacterial colony patterns. BioEssays, 1995, 17, 597-607.	1.2	168
38	Conserved virulence factor regulation and secretion systems in bacterial pathogens of plants and animals. European Journal of Plant Pathology, 1995, 101, 1-13.	0.8	23

#	ARTICLE	IF	CITATIONS
39	Overview of microbial biofilms. <i>Journal of Industrial Microbiology</i> , 1995, 15, 137-140.	0.9	313
40	Modification by surface association of antimicrobial susceptibility of bacterial populations. <i>Journal of Industrial Microbiology</i> , 1995, 15, 311-317.	0.9	39
41	Secretion of an antibacterial factor during resuscitation of dormant cells in <i>Micrococcus luteus</i> cultures held in an extended stationary phase. <i>Antonie Van Leeuwenhoek</i> , 1995, 67, 289-295.	0.7	36
42	Multiple homologues of LuxR and LuxI control expression of virulence determinants and secondary metabolites through quorum sensing in <i>Pseudomonas aeruginosa</i> PAO1. <i>Molecular Microbiology</i> , 1995, 17, 333-343.	1.2	460
43	Characterisation of the <i>yenI/yenR</i> locus from <i>Yersinia enterocolitica</i> mediating the synthesis of two N-acylhomoserine lactone signal molecules. <i>Molecular Microbiology</i> , 1995, 17, 345-356.	1.2	148
44	The bacterial 'enigma': cracking the code of cell-cell communication. <i>Molecular Microbiology</i> , 1995, 16, 615-624.	1.2	384
45	Intragenic suppression of <i>aluxR</i> mutation: Characterization of an autoinducer-independent LuxR. <i>FEMS Microbiology Letters</i> , 1995, 129, 97-101.	0.7	14
46	The significance of bacteria in stationary phase to food microbiology. <i>International Journal of Food Microbiology</i> , 1995, 28, 263-275.	2.1	91
48	Activity of the <i>Agrobacterium</i> Ti plasmid conjugal transfer regulator TraR is inhibited by the product of the <i>traM</i> gene. <i>Journal of Bacteriology</i> , 1995, 177, 1367-1373.	1.0	143
49	A second N-acylhomoserine lactone signal produced by <i>Pseudomonas aeruginosa</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 1490-1494.	3.3	724
50	Ectopic production of guanosine penta- and tetraphosphate can initiate early developmental gene expression in <i>Myxococcus xanthus</i> .. <i>Genes and Development</i> , 1995, 9, 1633-1644.	2.7	142
51	The lux System of Bioluminescence, or, How to "Sense" Your Neighbor. <i>American Biology Teacher</i> , 1995, 57, 222-224.	0.1	0
52	High Angle and Ligand-induced Low Angle DNA Bends Incited by OccR Lie in the Same Plane with OccR Bound to the Interior Angle. <i>Journal of Molecular Biology</i> , 1995, 253, 32-38.	2.0	31
53	The Sixty Nucleotide OccR Operator Contains a Subsite Essential and Sufficient for OccR Binding and a Second Subsite Required for Ligand-responsive DNA Bending. <i>Journal of Molecular Biology</i> , 1995, 253, 691-702.	2.0	39
54	Growth phase dependent resistance to oxidative stress in a phytopathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Canadian Journal of Microbiology</i> , 1995, 41, 1043-1047.	0.8	25
55	Pheromones, social behaviour and the functions of secondary metabolism in bacteria. <i>Trends in Ecology and Evolution</i> , 1995, 10, 126-129.	4.2	87
56	CENSUS AND CONSENSUS IN BACTERIAL ECOSYSTEMS: The LuxR-LuxI Family of Quorum-Sensing Transcriptional Regulators. <i>Annual Review of Microbiology</i> , 1996, 50, 727-751.	2.9	1,095
57	Cell survival and multiplication The overriding need for signals: from unicellular to multicellular systems. <i>FEMS Microbiology Letters</i> , 1996, 137, 123-128.	0.7	15

#	ARTICLE	IF	CITATIONS
58	The <i>phzI</i> gene of <i>Pseudomonas aureofaciens</i> 30â€“84 is responsible for the production of a diffusible signal required for phenazine antibiotic production. <i>Gene</i> , 1996, 168, 49-53.	1.0	153
59	Secretion kinetics of endo-N-acetyl-Î²-D-glucosaminidase during vegetative growth of <i>Myxococcus xanthus</i> . <i>Research in Microbiology</i> , 1996, 147, 217-224.	1.0	0
60	Post-transcriptional regulation of bacterial carbohydrate metabolism: evidence that the gene product CsrA is a global mRNA decay factor. <i>Research in Microbiology</i> , 1996, 147, 505-512.	1.0	26
61	Do bacteria need to communicate with each other for growth?. <i>Trends in Microbiology</i> , 1996, 4, 237-242.	3.5	120
62	The role of pheromones in bacterial interactions. <i>Trends in Microbiology</i> , 1996, 4, 96-103.	3.5	69
63	<i>Escherichia coli</i> as a model for the regulation of dissociable (type II) fatty acid biosynthesis. <i>Lipids and Lipid Metabolism</i> , 1996, 1302, 1-16.	2.6	292
64	Cell survival and multiplication. <i>FEMS Microbiology Letters</i> , 1996, 137, 123-128.	0.7	32
65	GASPing for Life in Stationary Phase. <i>Cell</i> , 1996, 86, 181-184.	13.5	196
66	Role of alternate sigma factors in starvation protein synthesis â€” novel mechanisms of catabolite repression. <i>Research in Microbiology</i> , 1996, 147, 494-505.	1.0	15
67	Bacteria Also Vote. <i>Science</i> , 1996, 272, 1598-1599.	6.0	53
68	Enzymatic Synthesis of a Quorum-Sensing Autoinducer Through Use of Defined Substrates. <i>Science</i> , 1996, 272, 1655-1658.	6.0	384
69	Cell density influences antibiotic biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Microbiology (United Kingdom)</i> 140:1073-1078. doi:10.1099/mic/0/0000000000000000	0.7	60
70	Die biolumineszenz von tieren, pflanzen und bakterien grundlagen und anwendung. <i>Die Naturwissenschaften</i> , 1996, 83, 312-320.	0.6	3
71	An extracellular factor regulates expression of <i>sdiA</i> , a transcriptional activator of cell division genes in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1996, 178, 2742-2748.	1.0	102
72	The <i>Myxococcus xanthus</i> developmentally expressed <i>asgB</i> -dependent genes can be targets of the A signal-generating or A signal-responding pathway. <i>Journal of Bacteriology</i> , 1996, 178, 6628-6631.	1.0	16
73	Control of cell division in <i>Escherichia coli</i> : regulation of transcription of <i>ftsQA</i> involves both <i>rpoS</i> and <i>SdiA</i> -mediated autoinduction.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 336-341.	3.3	154
74	Eukaryotic interference with homoserine lactone-mediated prokaryotic signalling. <i>Journal of Bacteriology</i> , 1996, 178, 6618-6622.	1.0	737
75	Bacteriocin small of <i>Rhizobium leguminosarum</i> belongs to the class of N-acyl-L-homoserine lactone molecules, known as autoinducers and as quorum sensing co-transcription factors. <i>Journal of Bacteriology</i> , 1996, 178, 366-371.	1.0	166

#	ARTICLE	IF	CITATIONS
76	Conserved cis-acting promoter elements are required for density-dependent transcription of <i>Agrobacterium tumefaciens</i> conjugal transfer genes. <i>Journal of Bacteriology</i> , 1996, 178, 435-440.	1.0	246
77	Cell-cell communication regulates the effects of protein aspartate phosphatases on the phosphorelay controlling development in <i>Bacillus subtilis</i> .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 1549-1553.	3.3	209
78	Analysis of the <i>Pseudomonas aeruginosa</i> elastase (lasB) regulatory region. <i>Journal of Bacteriology</i> , 1996, 178, 1134-1140.	1.0	94
79	Quorum sensing in <i>Vibrio fischeri</i> : probing autoinducer-LuxR interactions with autoinducer analogs. <i>Journal of Bacteriology</i> , 1996, 178, 2897-2901.	1.0	247
80	Modulation of luminescence operon expression by N-octanoyl-L-homoserine lactone in ainS mutants of <i>Vibrio fischeri</i> . <i>Journal of Bacteriology</i> , 1996, 178, 971-976.	1.0	87
81	Cell-to-cell signaling in the symbiotic nitrogen-fixing bacterium <i>Rhizobium leguminosarum</i> : autoinduction of a stationary phase and rhizosphere-expressed genes. <i>Journal of Bacteriology</i> , 1996, 178, 372-376.	1.0	159
82	Quorum sensing in <i>Vibrio fischeri</i> : evidence that S-adenosylmethionine is the amino acid substrate for autoinducer synthesis. <i>Journal of Bacteriology</i> , 1996, 178, 5291-5294.	1.0	131
83	Generation of cell-to-cell signals in quorum sensing: acyl homoserine lactone synthase activity of a purified <i>Vibrio fischeri</i> LuxI protein.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9505-9509.	3.3	360
84	Functional analysis of the <i>Pseudomonas aeruginosa</i> autoinducer PAI. <i>Journal of Bacteriology</i> , 1996, 178, 5995-6000.	1.0	166
85	The conjugal transfer system of <i>Agrobacterium tumefaciens</i> octopine-type Ti plasmids is closely related to the transfer system of an IncP plasmid and distantly related to Ti plasmid vir genes. <i>Journal of Bacteriology</i> , 1996, 178, 4248-4257.	1.0	93
86	Genes encoding the pKM101 conjugal mating pore are negatively regulated by the plasmid-encoded KorA and KorB proteins. <i>Journal of Bacteriology</i> , 1996, 178, 4392-4399.	1.0	22
87	MECHANISMS OF ADHESION BY ORAL BACTERIA. <i>Annual Review of Microbiology</i> , 1996, 50, 513-552.	2.9	355
88	Autoinducer-independent mutants of the LuxR transcriptional activator exhibit differential effects on the twolux promoters of <i>Vibrio fischeri</i> . <i>Molecular Genetics and Genomics</i> , 1996, 252, 622-625.	2.4	7
89	To be or not to be: how <i>Pseudomonas solanacearum</i> decides whether or not to express virulence genes. <i>European Journal of Plant Pathology</i> , 1996, 102, 459-469.	0.8	44
90	Genes, enzymes and secondary metabolites in industrial microorganisms The 1995 Thom Award Lecture. <i>Journal of Industrial Microbiology</i> , 1996, 16, 360-363.	0.9	0
91	A Nonribosomal System of Peptide Biosynthesis. <i>FEBS Journal</i> , 1996, 236, 335-351.	0.2	307
92	Quorum sensing: a population-density component in the determination of bacterial phenotype. <i>Trends in Biochemical Sciences</i> , 1996, 21, 214-219.	3.7	253
93	Fluorescent probes and flow cytometry: New insights into environmental bacteriology. , 1996, 23, 91-96.		97

#	ARTICLE	IF	CITATIONS
94	Biological control of plant root pathogens. <i>Current Opinion in Biotechnology</i> , 1996, 7, 343-347.	3.3	102
95	Chemotactic-based adaptive self-organization during colonial development. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 233, 678-698.	1.2	36
96	A hierarchical quorum-sensing cascade in <i>Pseudomonas aeruginosa</i> links the transcriptional activators LasR and RhIR (VsmR) to expression of the stationary-phase sigma factor RpoS. <i>Molecular Microbiology</i> , 1996, 21, 1137-1146.	1.2	659
97	The role of the lux autoinducer in regulating luminescence in <i>Vibrio harveyi</i> ; control of luxR expression. <i>Molecular Microbiology</i> , 1996, 19, 767-775.	1.2	22
98	Phenazine antibiotic production in <i>Pseudomonas aureofaciens</i> : role in rhizosphere ecology and pathogen suppression. <i>FEMS Microbiology Letters</i> , 1996, 136, 101-108.	0.7	132
99	Purification and characterization of LasR as a DNA-binding protein. <i>FEMS Microbiology Letters</i> , 1996, 142, 301-307.	0.7	16
100	Involvement of N-acyl-L-homoserine lactone autoinducers in controlling the multicellular behaviour of <i>Serratia liquefaciens</i> . <i>Molecular Microbiology</i> , 1996, 20, 127-136.	1.2	344
101	Localization of OccR-activated and TraR-activated promoters that express two ABC-type permeases and the traR gene of Ti plasmid pTiR10. <i>Molecular Microbiology</i> , 1996, 20, 1199-1210.	1.2	86
102	The cell density factor CMF regulates the chemoattractant receptor cAR1 in <i>Dictyostelium</i> . <i>Journal of Cell Biology</i> , 1996, 134, 1543-1549.	2.3	32
103	Global regulation in <i>Erwinia</i> species by <i>Erwinia carotovora</i> rsmA, a homologue of <i>Escherichia coli</i> csrA: repression of secondary metabolites, pathogenicity and hypersensitive reaction. <i>Microbiology (United Kingdom)</i> , 1996, 142, 427-434.	0.7	102
104	Purification and characterization of an extracellular peptide factor that affects two different developmental pathways in <i>Bacillus subtilis</i> . <i>Genes and Development</i> , 1996, 10, 2014-2024.	2.7	238
105	Plant-Microbe Interactions. , 1996, , .		54
106	Current Concepts in the Use of Introduced Bacteria for Biological Disease Control: Mechanisms and Antifungal Metabolites. , 1996, , 187-235.		190
107	6 Developmental Programs in Bacteria. <i>Current Topics in Developmental Biology</i> , 1996, 34, 207-257.	1.0	20
108	The regulation of antibiotic production in <i>Streptomyces coelicolor</i> A3(2). <i>Microbiology (United Kingdom)</i> , 1996, 142, 193-200.	0.7	193
109	A nonribosomal system of peptide biosynthesis. , 1996, , 45-61.		1
110	Bacterial Pathogens in Plants: Life up against the Wall.. <i>Plant Cell</i> , 1996, 8, 1683-1698.	3.1	269
111	Signaling in Unicellular Eukaryotes. <i>International Review of Cytology</i> , 1997, 177, 181-253.	6.2	64

#	ARTICLE	IF	CITATIONS
112	The RNA Molecule CsrB Binds to the Global Regulatory Protein CsrA and Antagonizes Its Activity in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 17502-17510.	1.6	401
113	Evidence for interspecies communication and its potential role in pathogen suppression in a naturally occurring disease suppressive soil. <i>Canadian Journal of Microbiology</i> , 1997, 43, 985-990.	0.8	31
114	Identification and characterization of <i>acoK</i> , a regulatory gene of the <i>Klebsiella pneumoniae</i> <i>acoABCD</i> operon. <i>Journal of Bacteriology</i> , 1997, 179, 1497-1504.	1.0	15
115	Novel Butyrolactones with Antifungal Activity Produced by <i>Pseudomonas aureofaciens</i> Strain 63-28.. <i>Journal of Antibiotics</i> , 1997, 50, 742-749.	1.0	46
116	Involvement of AfsA in A-factor Biosynthesis as a Key Enzyme.. <i>Journal of Antibiotics</i> , 1997, 50, 847-852.	1.0	50
117	Cross-species induction of luminescence in the quorum-sensing bacterium <i>Vibrio harveyi</i> . <i>Journal of Bacteriology</i> , 1997, 179, 4043-4045.	1.0	677
118	Quorum sensing in <i>Aeromonas hydrophila</i> and <i>Aeromonas salmonicida</i> : identification of the LuxRI homologs AhyRI and AsaRI and their cognate N-acylhomoserine lactone signal molecules. <i>Journal of Bacteriology</i> , 1997, 179, 5271-5281.	1.0	381
119	Quorum sensing in <i>Vibrio fischeri</i> : essential elements for activation of the luminescence genes. <i>Journal of Bacteriology</i> , 1997, 179, 557-562.	1.0	158
120	Quorum sensing in <i>Vibrio anguillarum</i> : characterization of the <i>vanI/vanR</i> locus and identification of the autoinducer N-(3-oxodecanoyl)-L-homoserine lactone. <i>Journal of Bacteriology</i> , 1997, 179, 3004-3012.	1.0	168
121	Characterization of the <i>rcsB</i> gene from <i>Erwinia amylovora</i> and its influence on exopolysaccharide synthesis and virulence of the fire blight pathogen. <i>Journal of Bacteriology</i> , 1997, 179, 1354-1361.	1.0	83
122	Molecular Characterization and Expression of the <i>Erwinia carotovora</i> <i>hrpNEcc</i> Gene, Which Encodes an Elicitor of the Hypersensitive Reaction. <i>Molecular Plant-Microbe Interactions</i> , 1997, 10, 462-471.	1.4	80
123	<i>pigB</i> determines a diffusible factor needed for extracellular polysaccharide slime and xanthomonadin production in <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Journal of Bacteriology</i> , 1997, 179, 439-444.	1.0	67
124	A quorum-sensing system in the free-living photosynthetic bacterium <i>Rhodobacter sphaeroides</i> . <i>Journal of Bacteriology</i> , 1997, 179, 7530-7537.	1.0	204
125	Mutational analysis of the <i>Vibrio fischeri</i> LuxI polypeptide: critical regions of an autoinducer synthase. <i>Journal of Bacteriology</i> , 1997, 179, 4882-4887.	1.0	60
126	On the origin of variants of the marine bacterium <i>Deleya aestiva</i> 134 able to grow at low Na ⁺ concentration. <i>Canadian Journal of Microbiology</i> , 1997, 43, 868-878.	0.8	1
127	CELL-CELL COMMUNICATION IN GRAM-POSITIVE BACTERIA. <i>Annual Review of Microbiology</i> , 1997, 51, 527-564.	2.9	432
128	From snowflake formation to growth of bacterial colonies II: Cooperative formation of complex colonial patterns. <i>Contemporary Physics</i> , 1997, 38, 205-241.	0.8	174
129	Purification, characterization and biological role of a pheromone produced by <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Physiological and Molecular Plant Pathology</i> , 1997, 51, 1-14.	1.3	44

#	ARTICLE	IF	CITATIONS
130	The chain of command in <i>Pseudomonas</i> quorum sensing. <i>Trends in Microbiology</i> , 1997, 5, 132-134.	3.5	128
131	Transcriptional analysis and regulation of carnobacteriocin production in <i>Carnobacterium piscicola</i> LV17. <i>Gene</i> , 1997, 188, 271-277.	1.0	25
132	Molecular characterization of a gene encoding a membrane protein of <i>Spiroplasma citri</i> . <i>Gene</i> , 1997, 189, 95-100.	1.0	31
134	bldA-dependent expression of the <i>Streptomyces exfoliatus</i> M11 lipase gene (<i>lipA</i>) is mediated by the product of a contiguous gene, <i>lipR</i> , encoding a putative transcriptional activator. <i>Journal of Bacteriology</i> , 1997, 179, 7816-7826.	1.0	25
135	An extracellular factor regulating expression of the chromosomal aminoglycoside 2'-N-acetyltransferase of <i>Providencia stuartii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1997, 41, 1749-1754.	1.4	35
136	<i>aarC</i> , an essential gene involved in density-dependent regulation of the 2'-N-acetyltransferase in <i>Providencia stuartii</i> . <i>Journal of Bacteriology</i> , 1997, 179, 2267-2273.	1.0	19
137	Transcriptional regulation and locations of <i>Agrobacterium tumefaciens</i> genes required for complete catabolism of octopine. <i>Journal of Bacteriology</i> , 1997, 179, 1-8.	1.0	35
138	Chemomodulation of cellular movement, collective formation of vortices by swarming bacteria, and colonial development. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 238, 181-197.	1.2	81
139	Bacterial N-acyl-homoserine-lactone-dependent signalling and its potential biotechnological applications. <i>Trends in Biotechnology</i> , 1997, 15, 458-464.	4.9	34
140	Chemical defenses of seaweeds against microbial colonization. <i>Biodegradation</i> , 1997, 8, 211-220.	1.5	97
141	Title is missing!. <i>European Journal of Plant Pathology</i> , 1997, 103, 291-301.	0.8	12
142	A novel regulatory system required for pathogenicity of <i>Xanthomonas campestris</i> is mediated by a small diffusible signal molecule. <i>Molecular Microbiology</i> , 1997, 24, 555-566.	1.2	468
143	Regulation of the <i>xcp</i> secretion pathway by multiple quorum-sensing modulons in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 1997, 24, 1169-1178.	1.2	144
144	Analysis of random and site-directed mutations in <i>rhII</i> , a <i>Pseudomonas aeruginosa</i> gene encoding an acylhomoserine lactone synthase. <i>Molecular Microbiology</i> , 1997, 26, 301-310.	1.2	91
145	Title is missing!. <i>European Journal of Plant Pathology</i> , 1998, 104, 1-9.	0.8	39
146	Origin and evolution of plasmids. , 1998, 73, 117-126.		58
147	Quorum sensing and the cell-cell communication dependent regulation of gene expression in pathogenic and non-pathogenic bacteria. <i>Antonie Van Leeuwenhoek</i> , 1998, 74, 199-210.	0.7	98
148	Current topics in signal transduction in bacteria. <i>Antonie Van Leeuwenhoek</i> , 1998, 74, 211-227.	0.7	25

#	ARTICLE	IF	CITATIONS
149	The Involvement of Cell-to-Cell Signals in the Development of a Bacterial Biofilm. <i>Science</i> , 1998, 280, 295-298.	6.0	3,019
150	Effect of cell density and attachment on resuscitation in soil of starved <i>Pseudomonas fluorescens</i> MON787. <i>FEMS Microbiology Ecology</i> , 1998, 26, 63-70.	1.3	6
151	Post-transcriptional control of <i>Pseudomonas aeruginosa</i> lasB expression involves the 5' untranslated region of the mRNA. <i>FEMS Microbiology Letters</i> , 1998, 159, 233-239.	0.7	4
152	Induction of entry into the stationary growth phase in <i>Pseudomonas aeruginosa</i> by N-acylhomoserine lactone. <i>FEMS Microbiology Letters</i> , 1998, 164, 99-106.	0.7	27
153	Control of genes for conjugative transfer of plasmids and other mobile elements. <i>FEMS Microbiology Reviews</i> , 1998, 21, 291-319.	3.9	100
154	Bacterial wisdom, Gdel's theorem and creative genomic webs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 248, 57-76.	1.2	52
155	Studies of bacterial branching growth using reaction-diffusion models for colonial development. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 260, 510-554.	1.2	187
156	The LuxR regulator protein controls synthesis of polyhydroxybutyrate in <i>Vibrio harveyi</i> . <i>BBA - Proteins and Proteomics</i> , 1998, 1384, 356-364.	2.1	30
157	LuxR controls the expression of <i>Vibrio fischeri</i> luxCDABE clone in <i>Escherichia coli</i> in the absence of luxI gene. , 1998, 13, 365-369.		2
158	Cycles of famine and feast: the starvation and outgrowth strategies of a marine <i>Vibrio</i> . <i>Journal of Biosciences</i> , 1998, 23, 501-511.	0.5	35
159	Bioaugmentation in activated sludge: current features and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 1998, 50, 16-23.	1.7	160
160	Biotin chemoresponse in <i>Paramecium</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1998, 183, 361-366.	0.7	6
161	Cross-species induction and enhancement of antimicrobial activity produced by epibiotic bacteria from marine algae and invertebrates, after exposure to terrestrial bacteria. <i>Letters in Applied Microbiology</i> , 1998, 27, 142-146.	1.0	124
162	Activity of the quorum-sensing regulator TraR of <i>Agrobacterium tumefaciens</i> is inhibited by a truncated, dominant defective TraR-like protein. <i>Molecular Microbiology</i> , 1998, 27, 289-297.	1.2	84
163	Characterization of a novel RNA regulator of <i>Erwinia carotovora</i> ssp. <i>carotovora</i> that controls production of extracellular enzymes and secondary metabolites. <i>Molecular Microbiology</i> , 1998, 29, 219-234.	1.2	165
164	Integration of the quorum-sensing system in the regulatory networks controlling virulence factor synthesis in <i>Erwinia chrysanthemi</i> . <i>Molecular Microbiology</i> , 1998, 29, 1407-1418.	1.2	99
165	Effect of cell density and attachment on resuscitation in soil of starved <i>Pseudomonas fluorescens</i> MON787. <i>FEMS Microbiology Ecology</i> , 1998, 26, 63-70.	1.3	3
166	Post-transcriptional control of <i>Pseudomonas aeruginosa</i> lasB expression involves the 5' untranslated region of the mRNA. <i>FEMS Microbiology Letters</i> , 1998, 159, 233-239.	0.7	6

#	ARTICLE	IF	CITATIONS
167	Quorum sensing: potential means of treating gram-negative infections?. <i>Lancet, The</i> , 1998, 351, 848-849.	6.3	68
168	Self perception in bacteria: quorum sensing with acylated homoserine lactones. <i>Current Opinion in Microbiology</i> , 1998, 1, 183-189.	2.3	281
169	THINKING ABOUT BACTERIAL POPULATIONS AS MULTICELLULAR ORGANISMS. <i>Annual Review of Microbiology</i> , 1998, 52, 81-104.	2.9	775
170	COOPERATIVE ORGANIZATION OF BACTERIAL COLONIES: From Genotype to Morphotype. <i>Annual Review of Microbiology</i> , 1998, 52, 779-806.	2.9	185
172	MICROBIOLOGY: Enhanced: One for All and All for One. <i>Science</i> , 1998, 280, 226-227.	6.0	125
173	5.5 Extracellular Enzymes and Their Role in <i>Erwinia</i> Virulence. <i>Methods in Microbiology</i> , 1998, 27, 157-168.	0.4	28
174	HOMOSERINE LACTONE-MEDIATED GENE REGULATION IN PLANT-ASSOCIATED BACTERIA. <i>Annual Review of Phytopathology</i> , 1998, 36, 207-225.	3.5	153
175	Production of Acyl-Homoserine Lactone Quorum-Sensing Signals by Gram-Negative Plant-Associated Bacteria. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 1119-1129.	1.4	556
176	Increasing resistance of planktonic and biofilm cultures of <i>Burkholderia cepacia</i> to ciprofloxacin and ceftazidime during exponential growth. <i>Journal of Antimicrobial Chemotherapy</i> , 1998, 42, 153-160.	1.3	98
177	Quorum sensing: a novel target for anti-infective therapy. <i>Journal of Antimicrobial Chemotherapy</i> , 1998, 42, 569-571.	1.3	154
178	The Development of Cooperative Associations Between Animals and Bacteria: Establishing Dã©tente Among Domains. <i>American Zoologist</i> , 1998, 38, 593-608.	0.7	42
179	6.12 Detection, Purification, and Synthesis of n-acylhomoserine Lactone Quorum Sensing Signal Molecules. <i>Methods in Microbiology</i> , 1998, 27, 319-330.	0.4	48
181	A pheromone-independent CarR protein controls carbapenem antibiotic synthesis in the opportunistic human pathogen <i>Serratia marcescens</i> . <i>Microbiology (United Kingdom)</i> , 1998, 144, 201-209.	0.7	43
182	Quorum sensing in <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 7046-7050.	3.3	570
183	A negative regulator mediates quorum-sensing control of exopolysaccharide production in <i>Pantoea stewartii</i> subsp. <i>stewartii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 7687-7692.	3.3	237
184	Contribution of Quorum Sensing to the Virulence of <i>Pseudomonas aeruginosa</i> in Burn Wound Infections. <i>Infection and Immunity</i> , 1999, 67, 5854-5862.	1.0	389
185	Two-Component Transcriptional Regulation of N -Acyl-Homoserine Lactone Production in <i>Pseudomonas aureofaciens</i> . <i>Applied and Environmental Microbiology</i> , 1999, 65, 2294-2299.	1.4	171
186	Quorum Sensing: the Explanation of a Curious Phenomenon Reveals a Common Characteristic of Bacteria. <i>Journal of Bacteriology</i> , 1999, 181, 2667-2668.	1.0	138

#	ARTICLE	IF	CITATIONS
187	Analysis of Quorum-Sensing-Dependent Control of Rhizosphere-Expressed (<i>rhj</i>) Genes in <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> . <i>Journal of Bacteriology</i> , 1999, 181, 3816-3823.	1.0	134
188	Sequence and Function of LuxU: a Two-Component Phosphorelay Protein That Regulates Quorum Sensing in <i>Vibrio harveyi</i> . <i>Journal of Bacteriology</i> , 1999, 181, 899-906.	1.0	217
189	<i>Escherichia coli</i> genes regulated by cell-to-cell signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 4610-4614.	3.3	96
190	Lubricating bacteria model for branching growth of bacterial colonies. <i>Physical Review E</i> , 1999, 59, 7025-7035.	0.8	126
191	Identification of genes controlled by quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 13904-13909.	3.3	646
192	Quorum sensing in <i>Escherichia coli</i> , <i>Salmonella typhimurium</i> , and <i>Vibrio harveyi</i> : A new family of genes responsible for autoinducer production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1639-1644.	3.3	856
193	Autoinducer binding by the quorum-sensing regulator TraR increases affinity for target promoters in vitro and decreases TraR turnover rates in whole cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 4832-4837.	3.3	255
194	Bacterial Tactic Responses. <i>Advances in Microbial Physiology</i> , 1999, 41, 229-289.	1.0	216
195	What makes <i>Pseudomonas</i> bacteria rhizosphere competent?. <i>Environmental Microbiology</i> , 1999, 1, 9-13.	1.8	296
196	Application of molecular tools for in situ monitoring of bacterial growth activity. <i>Environmental Microbiology</i> , 1999, 1, 383-391.	1.8	85
197	Regulation of autoinducer production in <i>Salmonella typhimurium</i> . <i>Molecular Microbiology</i> , 1999, 31, 585-595.	1.2	180
198	A genetic analysis of the function of LuxO, a two-component response regulator involved in quorum sensing in <i>Vibrio harveyi</i> . <i>Molecular Microbiology</i> , 1999, 31, 665-677.	1.2	327
199	Quorum sensing in <i>Vibrio fischeri</i> : elements of the luxI promoter. <i>Molecular Microbiology</i> , 1999, 31, 1197-1204.	1.2	159
200	Hierarchical gene regulatory systems arising from fortuitous gene associations: controlling quorum sensing by the opine regulon in <i>Agrobacterium</i> . <i>Molecular Microbiology</i> , 1999, 32, 1077-1089.	1.2	92
201	Plants and microorganisms "listening in on the conversation. <i>Nature Biotechnology</i> , 1999, 17, 958-959.	9.4	3
202	Plants genetically modified to produce N-acylhomoserine lactones communicate with bacteria. <i>Nature Biotechnology</i> , 1999, 17, 1017-1020.	9.4	117
203	Growth, Fine Structure and Cyst Formation of a Microbial Mat Ciliate: <i>Pseudocohnilembus pusillus</i> (Ciliophora, Scuticociliatida). <i>Journal of Eukaryotic Microbiology</i> , 1999, 46, 132-141.	0.8	10
204	Molecular genetics of carbapenem antibiotic biosynthesis. <i>Antonie Van Leeuwenhoek</i> , 1999, 75, 135-141.	0.7	28

#	ARTICLE	IF	CITATIONS
205	Bacterial Biofilms: A Common Cause of Persistent Infections. <i>Science</i> , 1999, 284, 1318-1322.	6.0	10,329
206	Regulation of Expression of the Nonhemolytic Phospholipase C of <i>Burkholderia cepacia</i> . <i>Current Microbiology</i> , 1999, 39, 336-341.	1.0	9
207	Cell fate and organogenesis in bacteria. <i>Trends in Genetics</i> , 1999, 15, 273-277.	2.9	22
208	Metathesis-based synthesis of jasmonate and homojasmonate lactones, candidates for extracellular quorum sensing molecules in <i>Candida albicans</i> . <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 193-196.	0.9	11
209	How bacteria talk to each other: regulation of gene expression by quorum sensing. <i>Current Opinion in Microbiology</i> , 1999, 2, 582-587.	2.3	854
210	Extracellular product(s) of <i>Staphylococcus aureus</i> stimulate their own growth. <i>Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology</i> , 1999, 289, 339-345.	0.5	1
211	[3] Quorum sensing signals in development of <i>Pseudomonas aeruginosa</i> biofilms. <i>Methods in Enzymology</i> , 1999, 310, 43-55.	0.4	101
212	Microbial Hormones and Microbial Chemical Ecology. , 1999, , 377-413.		19
213	Extracellular Enzymes Within Microbial Biofilms and the Role of the Extracellular Polymer Matrix. , 1999, , 217-230.		27
214	Addiction Modules and Programmed Cell Death and Antideath in Bacterial Cultures. <i>Annual Review of Microbiology</i> , 1999, 53, 43-70.	2.9	374
215	Bacterial Cell Division. <i>Annual Review of Genetics</i> , 1999, 33, 423-448.	3.2	310
216	Biology of Biofilms.. <i>Microbes and Environments</i> , 1999, 14, 163-172.	0.7	2
217	Quorum Sensing in the Plant Pathogen <i>Erwinia carotovora</i> subsp. <i>carotovora</i> : The Role of expREcc. <i>Molecular Plant-Microbe Interactions</i> , 2000, 13, 384-393.	1.4	118
218	<i>Xylella</i> Genomics and Bacterial Pathogenicity to Plants. <i>Yeast</i> , 2000, 1, 263-271.	0.8	58
219	A novel and sensitive method for the quantification of N-3-oxoacyl homoserine lactones using gas chromatography-mass spectrometry: application to a model bacterial biofilm. <i>Environmental Microbiology</i> , 2000, 2, 530-541.	1.8	295
220	Evidence that <i>Ralstonia eutropha</i> (<i>Alcaligenes eutrophus</i>) contains a functional homologue of the <i>Ralstonia solanacearum</i> Phc cell density sensing system. <i>Molecular Microbiology</i> , 2000, 38, 359-367.	1.2	27
221	The transfer of DNA from <i>Agrobacterium tumefaciens</i> into plants: a feast of fundamental insights. <i>Plant Journal</i> , 2000, 23, 11-28.	2.8	443
222	Cloning and sequencing of a gene of organic solvent-stable protease secreted from <i>Pseudomonas aeruginosa</i> PST-01 and its expression in <i>Escherichia coli</i> . <i>Biochemical Engineering Journal</i> , 2000, 5, 191-200.	1.8	29

#	ARTICLE	IF	CITATIONS
223	A series of laboratory exercises utilizing luxR gene of <i>Vibrio fischeri</i> and gfp gene of <i>Aequoria victoria</i> to teach the broad applications of polymerase chain reaction. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2000, 24, 345-352.	1.4	0
224	Bacterial virulence as a target for antimicrobial chemotherapy. <i>Current Opinion in Biotechnology</i> , 2000, 11, 625-636.	3.3	144
225	Identification and characterization of <i>Pseudomonas aeruginosa</i> PA-III lectin gene and protein compared to PA-IL. <i>FEMS Immunology and Medical Microbiology</i> , 2000, 29, 53-57.	2.7	43
226	Quorum-sensing signal binding results in dimerization of TraR and its release from membranes into the cytoplasm. <i>EMBO Journal</i> , 2000, 19, 5212-5221.	3.5	148
227	Colonial organization and intercellular communication in microorganisms. <i>Microbiology</i> , 2000, 69, 249-265.	0.5	33
228	Genes of <i>Erwinia amylovora</i> involved in yellow color formation and release of a low-molecular-weight compound during growth in the presence of copper ions. <i>Molecular Genetics and Genomics</i> , 2000, 264, 233-240.	1.0	15
229	Microbial community interactions in biofilms. , 2000, , 167-198.		33
230	Biofilms in the New Millennium: musings from a peak in Xanadu. , 2000, , 329-344.		9
231	Studies on the Growth of <i>Escherichia coli</i> O157:H7 Strains at 45.5°C. <i>Journal of Food Protection</i> , 2000, 63, 1173-1178.	0.8	10
232	Physiological events in biofilm formation. , 2000, , 37-52.		14
233	Microbial communities: aggregates of individuals or co-ordinated systems. , 2000, , 199-214.		5
234	VisN and VisR Are Global Regulators of Chemotaxis, Flagellar, and Motility Genes in <i>Sinorhizobium</i> (<i>Rhizobium</i>) <i>meliloti</i> . <i>Journal of Bacteriology</i> , 2000, 182, 782-788.	1.0	111
235	Novel antimicrobial targets from combined pathogen and host genetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 958-959.	3.3	10
236	Microarray-Based Identification of a Novel <i>Streptococcus pneumoniae</i> Regulon Controlled by an Autoinduced Peptide. <i>Journal of Bacteriology</i> , 2000, 182, 4696-4703.	1.0	250
237	Evidence for a Signaling System in <i>Helicobacter pylori</i> : Detection of aluX5-Encoded Autoinducer. <i>Journal of Bacteriology</i> , 2000, 182, 3638-3643.	1.0	98
238	Quorum Sensing within the Gut Ecosystem. <i>Microbial Ecology in Health and Disease</i> , 2000, 12, 81-92.	3.8	8
239	Quorum Sensing but Not Autoinduction of Ti Plasmid Conjugal Transfer Requires Control by the Opine Regulon and the Antiactivator TraM. <i>Journal of Bacteriology</i> , 2000, 182, 1080-1088.	1.0	73
240	Assay of autoinducer activity with luminescent <i>Escherichia coli</i> sensor strains harboring a modified <i>Vibrio fischeri</i> lux regulon. <i>Methods in Enzymology</i> , 2000, 305, 279-287.	0.4	1

#	ARTICLE	IF	CITATIONS
241	LuxR- and Acyl-Homoserine-Lactone-Controlled Non-luxGenes Define a Quorum-Sensing Regulon in <i>Vibrio fischeri</i> . <i>Journal of Bacteriology</i> , 2000, 182, 2811-2822.	1.0	79
242	The Antiactivator TraM Interferes with the Autoinducer-dependent Binding of TraR to DNA by Interacting with the C-terminal Region of the Quorum-sensing Activator. <i>Journal of Biological Chemistry</i> , 2000, 275, 7713-7722.	1.6	81
243	Phenotypic Plasticity in Bacterial Biofilms as It Affects Issues of Viability and Culturability. , 2000, , 131-145.		4
244	Polyphosphate kinase is essential for biofilm development, quorum sensing, and virulence of <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 9636-9641.	3.3	309
245	Biological Role of Xanthomonadin Pigments in <i>Xanthomonas campestris</i> pv. <i>Campestris</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 5123-5127.	1.4	100
246	Conversion of the <i>Vibrio fischeri</i> Transcriptional Activator, LuxR, to a Repressor. <i>Journal of Bacteriology</i> , 2000, 182, 805-811.	1.0	84
247	The Ecology and Biogeography of Microorganisms on Plant Surfaces. <i>Annual Review of Phytopathology</i> , 2000, 38, 145-180.	3.5	543
248	Bacterial Quorum Sensing in Pathogenic Relationships. <i>Infection and Immunity</i> , 2000, 68, 4839-4849.	1.0	976
249	Polymorphisme du systÃ©me de rÃ©gulation des exoprotÃ©ines chez <i>Staphylococcus aureus</i> . <i>MÃ©decine Et Maladies Infectieuses</i> , 2000, 30, 739-744.	5.1	4
250	Acyl-homoserine lactone quorum sensing in Gram-negative bacteria: A signaling mechanism involved in associations with higher organisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 8789-8793.	3.3	562
251	Plants and animals share functionally common bacterial virulence factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 8815-8821.	3.3	390
252	Signal Transduction by a Death Signal Peptide. <i>Molecular Cell</i> , 2000, 5, 49-57.	4.5	84
253	Detection, purification, and structural elucidation of the acylhomoserine lactone inducer of <i>Vibrio fischeri</i> luminescence and other related molecules. <i>Methods in Enzymology</i> , 2000, 305, 288-301.	0.4	103
254	Influence of calcium and other cations on surface adhesion of bacteria and diatoms: A review. <i>Biofouling</i> , 2000, 15, 195-205.	0.8	118
255	Control of Virulence and Pathogenicity Genes of <i>Ralstonia Solanacearum</i> by an Elaborate Sensory Network. <i>Annual Review of Phytopathology</i> , 2000, 38, 263-292.	3.5	287
256	Chemical synthesis of bacterial autoinducers and analogs. <i>Methods in Enzymology</i> , 2000, 305, 301-315.	0.4	15
257	The <i>Pseudomonas aeruginosa</i> Lectins PA-IL and PA-IIL Are Controlled by Quorum Sensing and by RpoS. <i>Journal of Bacteriology</i> , 2000, 182, 6401-6411.	1.0	230
258	Molecular cloning of a gene encoding the thermoactive levansucrase from <i>Rahnella aquatilis</i> and its growth phase-dependent expression in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2000, 81, 63-72.	1.9	16

#	ARTICLE	IF	CITATIONS
259	Prevention of marine biofouling using natural compounds from marine organisms. <i>Biotechnology Annual Review</i> , 2000, 6, 221-241.	2.1	94
260	Quorum sensing and the population-dependent control of virulence. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 667-680.	1.8	211
261	Black Rot of Crucifers. , 2000, , 21-52.		56
262	Quorum sensing as a population-density-dependent determinant of bacterial physiology. <i>Advances in Microbial Physiology</i> , 2001, 45, 199-270.	1.0	239
263	COMMON MECHANISMS FOR PATHOGENS OF PLANTS AND ANIMALS. <i>Annual Review of Phytopathology</i> , 2001, 39, 259-284.	3.5	135
264	MOLECULAR DETERMINANTS OF RHIZOSPHERE COLONIZATION BY <i>PSEUDOMONAS</i> . <i>Annual Review of Phytopathology</i> , 2001, 39, 461-490.	3.5	749
265	Detection, purification and characterisation of quorum-sensing signal molecules in plant-associated bacteria. <i>Journal of Biotechnology</i> , 2001, 91, 197-209.	1.9	96
266	Microbial Ecology – New Directions, New Importance. , 2001, , 101-109.		18
267	The Regulation of Virulence in the Staphylococci. <i>Infectious Agents and Pathogenesis</i> , 2001, , 1-16.	0.1	1
269	Kinetics of the AHL Regulatory System in a Model Biofilm System: How Many Bacteria Constitute a Quorum? <i>Journal of Molecular Biology</i> , 2001, 309, 631-640.	2.0	46
270	The 1.2 Å... structure of a novel quorum-sensing protein, <i>Bacillus subtilis</i> LuxS 1 Edited by J. Thornton. <i>Journal of Molecular Biology</i> , 2001, 313, 111-122.	2.0	79
271	Regulation of transcription in <i>Helicobacter pylori</i> : simple systems or complex circuits?. <i>International Journal of Medical Microbiology</i> , 2001, 291, 107-117.	1.5	48
272	Quorum sensing and the regulation of virulence gene expression in pathogenic bacteria. <i>International Journal of Medical Microbiology</i> , 2001, 291, 131-143.	1.5	213
273	Methods for detecting acylated homoserine lactones produced by Gram-negative bacteria and their application in studies of AHL-production kinetics. <i>Journal of Microbiological Methods</i> , 2001, 44, 239-251.	0.7	266
274	Isolation of human plasma-inducible, growth phase- and temperature-regulated gene fusions in <i>Streptococcus pyogenes</i> using a Tn917-lacZ transposon. <i>Journal of Microbiological Methods</i> , 2001, 46, 107-117.	0.7	2
275	Cystic fibrosis pathogenesis and the role of biofilms in persistent infection. <i>Trends in Microbiology</i> , 2001, 9, 50-52.	3.5	276
276	Indole Can Act as an Extracellular Signal in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2001, 183, 4210-4216.	1.0	224
277	Quorum Sensing Is a Global Regulatory Mechanism in Enterohemorrhagic <i>Escherichia coli</i> O157:H7. <i>Journal of Bacteriology</i> , 2001, 183, 5187-5197.	1.0	389

#	ARTICLE	IF	CITATIONS
278	Characterization of Phenotypic Changes in <i>Pseudomonas putida</i> in Response to Surface-Associated Growth. <i>Journal of Bacteriology</i> , 2001, 183, 6579-6589.	1.0	322
279	QUORUM SENSING AND THE POPULATION-DEPENDENT CONTROL OF VIRULENCE. , 2001, , .		3
280	Transgenic Plants Producing the Bacterial Pheromone N-Acyl-Homoserine Lactone Exhibit Enhanced Resistance to the Bacterial Phytopathogen <i>Erwinia carotovora</i> . <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 1035-1042.	1.4	133
281	Phenazine-1-Carboxamide Production in the Biocontrol Strain <i>Pseudomonas chlororaphis</i> PCL1391 Is Regulated by Multiple Factors Secreted into the Growth Medium. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 969-979.	1.4	137
283	[12] Genetic and chemical tools for investigating signaling processes in biofilms. <i>Methods in Enzymology</i> , 2001, 336, 108-144.	0.4	8
285	The role of RsmA in the regulation of swarming motility in <i>Serratia marcescens</i> . <i>Journal of Biomedical Science</i> , 2001, 8, 160-169.	2.6	35
286	Cloning, purification, crystallization and preliminary crystallographic analysis of <i>Bacillus subtilis</i> LuxS. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1324-1325.	2.5	6
287	Crystallization and rhenium MAD phasing of the acyl-homoserine lactone synthase Esal. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1945-1949.	2.5	9
288	TrlR, a defective TraR-like protein of <i>Agrobacterium tumefaciens</i> , blocks TraR function in vitro by forming inactive TrlR:TraR dimers. <i>Molecular Microbiology</i> , 2001, 40, 414-421.	1.2	75
289	Quorum Sensing in Bacteria. <i>Annual Review of Microbiology</i> , 2001, 55, 165-199.	2.9	4,088
290	Quorum Sensing, or How Bacteria "Talk" to Each Other. <i>Molecular Biology</i> , 2001, 35, 224-232.	0.4	20
291	Competence Pheromones in Bacteria. <i>Microbiology</i> , 2001, 70, 1-9.	0.5	2
292	Regulation of Gene Expression by Cell-to-Cell Communication: Acyl-Homoserine Lactone Quorum Sensing. <i>Annual Review of Genetics</i> , 2001, 35, 439-468.	3.2	1,251
293	Quorum-sensing in Gram-negative bacteria. <i>FEMS Microbiology Reviews</i> , 2001, 25, 365-404.	3.9	1,274
294	Not being the wrong size. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 48-55.	16.1	61
295	Expression and partial characterization of an elastase from <i>Chromobacterium violaceum</i> . <i>Veterinary Microbiology</i> , 2001, 80, 63-74.	0.8	16
296	Bacterial response to siderophore and quorum-sensing chemical signals in the seawater microbial community. <i>BMC Microbiology</i> , 2001, 1, 27.	1.3	30
297	Natural antimicrobial susceptibilities of <i>Plesiomonas shigelloides</i> strains. <i>Journal of Antimicrobial Chemotherapy</i> , 2001, 48, 803-811.	1.3	46

#	ARTICLE	IF	CITATIONS
298	Intracellular Ca ²⁺ Mobilization and Kinase Activity during Acylated Homoserine Lactone-dependent Quorum Sensing in <i>Serratia liquefaciens</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 6468-6472.	1.6	24
299	The Role of RsmA in the Regulation of Swarming Motility in <i>Serratia marcescens</i> . <i>Journal of Biomedical Science</i> , 2001, 8, 160-169.	2.6	35
300	DNA Microarray-Based Identification of Genes Controlled by Autoinducer 2-Stimulated Quorum Sensing in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2001, 183, 5239-5247.	1.0	238
301	Inhibition of the <i>Agrobacterium tumefaciens</i> TraR Quorum-sensing Regulator. <i>Journal of Biological Chemistry</i> , 2001, 276, 49449-49458.	1.6	59
302	Crystal structure of the quorum-sensing protein LuxS reveals a catalytic metal site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 11169-11174.	3.3	110
303	Bioluminescence. , 2001, , 1115-1131.		6
304	Regulation of rpoS Gene Expression in <i>Pseudomonas</i> : Involvement of a TetR Family Regulator. <i>Journal of Bacteriology</i> , 2001, 183, 3712-3720.	1.0	74
305	Quorum Sensing in <i>Vibrio fischeri</i> : Analysis of the LuxR DNA Binding Region by Alanine-Scanning Mutagenesis. <i>Journal of Bacteriology</i> , 2001, 183, 382-386.	1.0	80
306	Genetic Competence and Transformation in Oral Streptococci. <i>Critical Reviews in Oral Biology and Medicine</i> , 2001, 12, 217-243.	4.4	107
308	Signal Transduction and Regulatory Mechanisms Involved in Control of the σ^{70} (RpoS) Subunit of RNA Polymerase. <i>Microbiology and Molecular Biology Reviews</i> , 2002, 66, 373-395.	2.9	819
309	A Monocarboxylate Permease of <i>Rhizobium leguminosarum</i> Is the First Member of a New Subfamily of Transporters. <i>Journal of Bacteriology</i> , 2002, 184, 5436-5448.	1.0	47
310	Communication among Oral Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2002, 66, 486-505.	2.9	772
311	Advancing the Quorum in <i>Pseudomonas aeruginosa</i> : MvaT and the Regulation of N -Acylhomoserine Lactone Production and Virulence Gene Expression. <i>Journal of Bacteriology</i> , 2002, 184, 2576-2586.	1.0	234
312	Bradyoxetin, a unique chemical signal involved in symbiotic gene regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14446-14451.	3.3	105
313	Quorum-sensing regulators control virulence gene expression in <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3129-3134.	3.3	800
314	Early Activation of Quorum Sensing. <i>Journal of Bacteriology</i> , 2002, 184, 2569-2571.	1.0	23
315	An Attractive Surface: Gram-Negative Bacterial Biofilms. <i>Science Signaling</i> , 2002, 2002, re6-re6.	1.6	32
316	Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm bacteria by a halogenated furanone compound. <i>Microbiology (United Kingdom)</i> , 2002, 148, 87-102.	0.7	919

#	ARTICLE	IF	CITATIONS
317	Long-Chain Acyl-Homoserine Lactone Quorum-Sensing Regulation of <i>Rhodobacter capsulatus</i> Gene Transfer Agent Production. <i>Journal of Bacteriology</i> , 2002, 184, 6515-6521.	1.0	127
318	A Two-Component Regulator Mediates Population-Density-Dependent Expression of the <i>Bradyrhizobium japonicum</i> Nodulation Genes. <i>Journal of Bacteriology</i> , 2002, 184, 1759-1766.	1.0	59
319	N -Acyl-Homoserine Lactone Inhibition of Rhizobial Growth Is Mediated by Two Quorum-Sensing Genes That Regulate Plasmid Transfer. <i>Journal of Bacteriology</i> , 2002, 184, 4510-4519.	1.0	81
320	Virulence Genes of the Phytopathogen <i>Rhodococcus fascians</i> Show Specific Spatial and Temporal Expression Patterns During Plant Infection. <i>Molecular Plant-Microbe Interactions</i> , 2002, 15, 398-403.	1.4	13
321	Molecular Mechanisms of Quorum Sensing. , 0, , 361-384.		0
322	Clonal Fitness of Attached Bacteria Predicted by Analog Modeling. <i>BioScience</i> , 2002, 52, 343.	2.2	14
323	Identification of a Quorum-Sensing Signal Molecule in the Facultative Intracellular Pathogen <i>Brucella melitensis</i> . <i>Infection and Immunity</i> , 2002, 70, 3004-3011.	1.0	80
324	Quorum-Sensing Signals and Quorum-Sensing Genes in <i>Burkholderia vietnamiensis</i> . <i>Journal of Bacteriology</i> , 2002, 184, 1187-1191.	1.0	44
325	Cyanobacteria in Geothermal Habitats. , 2000, , 37-59.		13
326	Characterization of the <i>Sinorhizobium meliloti</i> sinR/sinI Locus and the Production of Novel N -Acyl Homoserine Lactones. <i>Journal of Bacteriology</i> , 2002, 184, 5686-5695.	1.0	229
327	Persistent and aggressive bacteria in the lungs of cystic fibrosis children. <i>British Medical Bulletin</i> , 2002, 61, 81-96.	2.7	72
328	The Promise of Structural Genomics in the Discovery of New Antimicrobial Agents. <i>Current Pharmaceutical Design</i> , 2002, 8, 1173-1188.	0.9	14
329	<i>Pseudomonas aeruginosa</i> quorum sensing: A target for antipa thogenic drug discovery. <i>Pharmacochimistry Library</i> , 2002, , 207-212.	0.1	1
330	Cloning, sequencing, and functional studies of the rpoS gene from <i>Vibrio harveyi</i> . <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 456-462.	1.0	17
331	Microbial community interactions and population dynamics of an algicidal bacterium active against <i>Karenia brevis</i> (Dinophyceae). <i>Harmful Algae</i> , 2002, 1, 277-293.	2.2	144
332	Structural Basis and Specificity of Acyl-Homoserine Lactone Signal Production in Bacterial Quorum Sensing. <i>Molecular Cell</i> , 2002, 9, 685-694.	4.5	230
333	Two-component and phosphorelay signal-transduction systems as therapeutic targets. <i>Current Opinion in Pharmacology</i> , 2002, 2, 507-512.	1.7	100
334	Is quorum sensing a side effect of diffusion sensing?. <i>Trends in Microbiology</i> , 2002, 10, 365-370.	3.5	483

#	ARTICLE	IF	CITATIONS
335	Bacterial cell-to-cell communication: sorry, can't talk now " gone to lunch!. Current Opinion in Microbiology, 2002, 5, 216-222.	2.3	301
336	Regulation of Cellular Differentiation in Filamentous Cyanobacteria in Free-Living and Plant-Associated Symbiotic Growth States. Microbiology and Molecular Biology Reviews, 2002, 66, 94-121.	2.9	355
337	Role of the Single Regulator MrsR1 and the Two-Component System MrsR2/K2 in the Regulation of Mersacidin Production and Immunity. Applied and Environmental Microbiology, 2002, 68, 106-113.	1.4	63
338	Molecular circuits, biological switches, and nonlinear dose-response relationships.. Environmental Health Perspectives, 2002, 110, 971-978.	2.8	29
339	Targeting Quorum Sensing for Treatment of Chronic Bacterial Biofilm Infections. Laboratory Medicine, 2002, 33, 295-306.	0.8	10
340	A microbial hormone A-factor as a master switch for morphological differentiation and secondary metabolism in streptomyces griseus. Frontiers in Bioscience - Landmark, 2002, 7, d2045-2057.	3.0	69
341	Food spoilage"interactions between food spoilage bacteria. International Journal of Food Microbiology, 2002, 78, 79-97.	2.1	782
342	Role of SdiA in Salmonella enterica serovar Typhimurium physiology and virulence. Archives of Microbiology, 2002, 178, 94-101.	1.0	23
343	In vitro biosynthesis of the Pseudomonas aeruginosa quorum-sensing signal molecule N-butanoyl-L-homoserine lactone. Molecular Microbiology, 2002, 28, 193-203.	1.2	73
344	A hierarchical quorum-sensing system in Yersinia pseudotuberculosis is involved in the regulation of motility and clumping. Molecular Microbiology, 2002, 33, 1267-1277.	1.2	164
345	Biosynthesis of carbapenem antibiotic and prodigiosin pigment in Serratia is under quorum sensing control. Molecular Microbiology, 2002, 36, 539-556.	1.2	263
346	Control of bioluminescence in Vibrio fischeri by the LuxO signal response regulator. Molecular Microbiology, 2002, 36, 594-607.	1.2	55
347	A two-component system involving an HD-GYP domain protein links cell-cell signalling to pathogenicity gene expression in Xanthomonas campestris. Molecular Microbiology, 2002, 38, 986-1003.	1.2	312
348	Control of the AcrAB multidrug efflux pump by quorum-sensing regulator SdiA. Molecular Microbiology, 2002, 43, 677-685.	1.2	160
349	The luxS gene is involved in cell-cell signalling for toxin production in Clostridium perfringens. Molecular Microbiology, 2002, 44, 171-179.	1.2	154
350	The autoregulatory role of EsaR, a quorum-sensing regulator in Pantoea stewartii ssp. stewartii: evidence for a repressor function. Molecular Microbiology, 2002, 44, 1625-1635.	1.2	164
351	A family of autocrine growth factors in Mycobacterium tuberculosis. Molecular Microbiology, 2002, 46, 623-635.	1.2	254
352	Group effort in toxin synthesis. Nature, 2002, 415, 33-34.	13.7	0

#	ARTICLE	IF	CITATIONS
353	Atmospheric charge. <i>Nature</i> , 2002, 415, 34-34.	13.7	2
354	Listening in on bacteria: acyl-homoserine lactone signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 685-695.	16.1	964
355	Bacterial Esperanto. , 2002, 9, 83-84.		32
356	A mutation in <i>rho</i> enhances biofilm formation in <i>Escherichia coli</i> during exponential phase of growth. <i>FEMS Microbiology Letters</i> , 2002, 211, 105-110.	0.7	96
357	Integrating process engineering and microbiology tools to advance activated sludge wastewater treatment research and development. <i>Reviews in Environmental Science and Biotechnology</i> , 2002, 1, 83-97.	3.9	15
358	Title is missing!. <i>Russian Journal of Genetics</i> , 2002, 38, 467-469.	0.2	6
359	Quorum-sensing in <i>Rhizobium</i> . <i>Antonie Van Leeuwenhoek</i> , 2002, 81, 397-407.	0.7	100
360	Cell to cell communication by autoinducing peptides in gram-positive bacteria. <i>Antonie Van Leeuwenhoek</i> , 2002, 81, 233-243.	0.7	248
361	The crystal structure of the quorum sensing protein TraR bound to its autoinducer and target DNA. <i>EMBO Journal</i> , 2002, 21, 4393-4401.	3.5	306
362	Osmotic Shock Induction of the Expression of <i>Vibrio fischeri</i> lux Genes in <i>Escherichia coli</i> Cells. <i>Russian Journal of Genetics</i> , 2003, 39, 390-394.	0.2	1
363	Title is missing!. <i>Molecular Biology</i> , 2003, 37, 598-604.	0.4	9
364	Engineering signal processing in cells: Towards molecular concentration band detection. <i>Natural Computing</i> , 2003, 2, 463-478.	1.8	13
365	Attenuation of <i>Pseudomonas aeruginosa</i> virulence by quorum sensing inhibitors. <i>EMBO Journal</i> , 2003, 22, 3803-3815.	3.5	1,205
366	Early development and quorum sensing in bacterial biofilms. <i>Journal of Mathematical Biology</i> , 2003, 47, 23-55.	0.8	65
367	Presence of N-Acyl Homoserine Lactones in Soil Detected by a Whole-Cell Biosensor and Flow Cytometry. <i>Microbial Ecology</i> , 2003, 45, 226-236.	1.4	85
368	Production of Acylated Homoserine Lactones by Different Serotypes of <i>Vibrio anguillarum</i> Both in Culture and During Infection of Rainbow Trout. <i>Systematic and Applied Microbiology</i> , 2003, 26, 338-349.	1.2	45
369	Influence of food preservation parameters and associated microbiota on production rate, profile and stability of acylated homoserine lactones from food-derived Enterobacteriaceae. <i>International Journal of Food Microbiology</i> , 2003, 84, 145-156.	2.1	30
370	Quorum sensing and expression of virulence in <i>Escherichia coli</i> O157:H7. <i>International Journal of Food Microbiology</i> , 2003, 85, 1-9.	2.1	52

#	ARTICLE	IF	CITATIONS
371	Chemical Signaling among Bacteria and Its Inhibition. <i>Chemistry and Biology</i> , 2003, 10, 1007-1021.	6.2	109
372	Regulation cascade of flagellar expression in Gram-negative bacteria. <i>FEMS Microbiology Reviews</i> , 2003, 27, 505-523.	3.9	317
373	Detection of quorum sensing signals in the haloalkaliphilic archaeon <i>Natronococcus occultus</i> . <i>FEMS Microbiology Letters</i> , 2003, 221, 49-52.	0.7	93
374	Expression of putative pathogenicity-related genes in <i>Xylella fastidiosa</i> grown at low and high cell density conditions in vitro. <i>FEMS Microbiology Letters</i> , 2003, 222, 83-92.	0.7	49
375	Quorum Sensing in <i>Candida albicans</i> . <i>Chemistry and Biology</i> , 2003, 10, 743-750.	6.2	81
376	Lsr-mediated transport and processing of AI-2 in <i>Salmonella typhimurium</i> . <i>Molecular Microbiology</i> , 2003, 50, 1411-1427.	1.2	278
377	Tales from the underground: molecular plant-rhizobacteria interactions. <i>Plant, Cell and Environment</i> , 2003, 26, 189-199.	2.8	359
378	LuxO controls luxR expression in <i>Vibrio harveyi</i> : evidence for a common regulatory mechanism in <i>Vibrio</i> . <i>Molecular Microbiology</i> , 2003, 48, 537-548.	1.2	37
379	Regulatory network of acid resistance genes in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2003, 48, 699-712.	1.2	250
380	Phenazines and their role in biocontrol by <i>Pseudomonas</i> bacteria. <i>New Phytologist</i> , 2003, 157, 503-523.	3.5	329
381	Understanding biofilm resistance to antibacterial agents. <i>Nature Reviews Drug Discovery</i> , 2003, 2, 114-122.	21.5	2,180
382	On-line high-performance liquid chromatography-mass spectrometric detection and quantification of N-acylhomoserine lactones, quorum sensing signal molecules, in the presence of biological matrices. <i>Journal of Chromatography A</i> , 2003, 1002, 79-92.	1.8	163
383	Lateral Gene Transfer and the Origins of Prokaryotic Groups. <i>Annual Review of Genetics</i> , 2003, 37, 283-328.	3.2	357
384	The Ti Plasmid of <i>Agrobacterium tumefaciens</i> Harbors an attM-Paralogous Gene, <i>aiiB</i> , Also Encoding N-Acyl Homoserine Lactonase Activity. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4989-4993.	1.4	189
385	Novel bacteria degrading N-acylhomoserine lactones and their use as quenchers of quorum-sensing-regulated functions of plant-pathogenic bacteria. <i>Microbiology (United Kingdom)</i> , 2003, 149, 1981-1989.	0.7	213
386	QUORUMSENSING IN PLANT-PATHOGENIC BACTERIA. <i>Annual Review of Phytopathology</i> , 2003, 41, 455-482.	3.5	552
387	Coherent states of Gompertzian growth. <i>Physical Review E</i> , 2003, 68, 021916.	0.8	37
388	Adhesion of anaerobic microorganisms to solid surfaces and the effect of sequential attachment on adhesion characteristics. <i>Biofouling</i> , 2003, 19, 9-18.	0.8	242

#	ARTICLE	IF	CITATIONS
389	Proteome analysis of extracellular proteins regulated by the las and rhl quorum sensing systems in <i>Pseudomonas aeruginosa</i> PAO1. <i>Microbiology (United Kingdom)</i> , 2003, 149, 1311-1322.	0.7	141
390	LuxS and Autoinducer-2: Their Contribution to Quorum Sensing and Metabolism in Bacteria. <i>Advances in Applied Microbiology</i> , 2003, 53, 291-396.	1.3	142
391	Use of In-Biofilm Expression Technology To Identify Genes Involved in <i>Pseudomonas aeruginosa</i> Biofilm Development. <i>Journal of Bacteriology</i> , 2003, 185, 2700-2710.	1.0	70
392	The luxS Gene of <i>Streptococcus pyogenes</i> Regulates Expression of Genes That Affect Internalization by Epithelial Cells. <i>Infection and Immunity</i> , 2003, 71, 5633-5639.	1.0	58
393	Mutation of luxS of <i>Streptococcus pneumoniae</i> Affects Virulence in a Mouse Model. <i>Infection and Immunity</i> , 2003, 71, 3206-3212.	1.0	84
394	The Role of Biofilms in the Uptake and Transformation of Dissolved Organic Matter. , 2003, , 285-313.		25
395	Bacterial self-organization: co-enhancement of complexification and adaptability in a dynamic environment. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 1283-1312.	1.6	121
396	Effects of Quorum Sensing on <i>flaA</i> Transcription and Autoagglutination in <i>Campylobacter jejuni</i> . <i>Microbiology and Immunology</i> , 2003, 47, 833-839.	0.7	71
397	Adsorptive Immobilization of a <i>Pseudomonas</i> Strain on Solid Carriers for Augmented Decolourization in a Chemostat Bioreactor. <i>Biofouling</i> , 2003, 19, 223-233.	0.8	1
398	Mutational Analysis of TraR. <i>Journal of Biological Chemistry</i> , 2003, 278, 13173-13182.	1.6	45
399	<i>Agrobacterium</i> Bioassay Strain for Ultrasensitive Detection of N -Acylhomoserine Lactone-Type Quorum-Sensing Molecules: Detection of Autoinducers in <i>Mesorhizobium huakuii</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 6949-6953.	1.4	206
400	Quorum Sensing in Nitrogen-Fixing Rhizobia. <i>Microbiology and Molecular Biology Reviews</i> , 2003, 67, 574-592.	2.9	269
401	Quorum Sensing: Approaches to Identify Signals and Signalling Genes in Gram-negative Bacteria. , 2003, , 110-130.		1
402	Role of the Quorum-sensing System in Experimental Pneumonia due to <i>Pseudomonas aeruginosa</i> in Rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 1478-1482.	2.5	76
403	Technical note: Quorum sensing. <i>International Journal of Biotechnology</i> , 2003, 5, 170.	1.2	0
404	Quantitative and qualitative changes in bacterial activity controlled by interbacterial signalling. , 2003, , 101-130.		0
405	Survival of environmental and host-associated stress. , 2003, , 37-74.		1
406	Microbial response to disinfectants. , 2003, , 657-693.		6

#	ARTICLE	IF	CITATIONS
408	Quorum Sensing: A Primer for Food Microbiologists. <i>Journal of Food Protection</i> , 2004, 67, 1053-1070.	0.8	124
410	Quorum Sensing: a Transcriptional Regulatory System Involved in the Pathogenicity of <i>Burkholderia mallei</i> . <i>Infection and Immunity</i> , 2004, 72, 6589-6596.	1.0	68
411	Inoculum Size Effect in Dimorphic Fungi: Extracellular Control of Yeast-Mycelium Dimorphism in <i>Ceratocystis ulmi</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 1356-1359.	1.4	85
412	LuxS Is Required for Persistent Pneumococcal Carriage and Expression of Virulence and Biosynthesis Genes. <i>Infection and Immunity</i> , 2004, 72, 2964-2975.	1.0	72
413	Use of <i>Sinorhizobium meliloti</i> as an Indicator for Specific Detection of Long-Chain N-Acyl Homoserine Lactones. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3715-3723.	1.4	60
414	Biological Control Mechanisms of Fluorescent <i>Pseudomonas</i> Species involved in Control of Root Diseases of Vegetables/ Fruits. , 2004, , 453-500.		4
415	Specific growth rate and not cell density controls the general stress response in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 1637-1648.	0.7	128
416	Analysis of <i>Pseudomonas aeruginosa</i> 4-hydroxy-2-alkylquinolines (HAQs) reveals a role for 4-hydroxy-2-heptylquinoline in cell-to-cell communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1339-1344.	3.3	561
417	Biography of E. P. Greenberg. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15830-15832.	3.3	1
418	Domains Formed within the N-terminal Region of the Quorum-sensing Activator TraR Are Required for Transcriptional Activation and Direct Interaction with RpoA from <i>Agrobacterium</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 40844-40851.	1.6	26
420	Directed evolution of <i>Vibrio fischeri</i> LuxR for increased sensitivity to a broad spectrum of acyl-homoserine lactones. <i>Molecular Microbiology</i> , 2004, 55, 712-723.	1.2	140
421	Regulatory circuits and communication in Gram-negative bacteria. <i>Nature Reviews Microbiology</i> , 2004, 2, 581-592.	13.6	204
422	Modeling rhl Quorum-Sensing Regulation on Rhamnolipid Production by <i>Pseudomonas aeruginosa</i> . <i>Biotechnology Progress</i> , 2004, 20, 1325-1331.	1.3	14
423	Bacterial social engagements. <i>Trends in Cell Biology</i> , 2004, 14, 648-656.	3.6	295
424	Identification of quorum-sensing signal molecules and the LuxRI homologs in fish pathogen <i>Edwardsiella tarda</i> . <i>Journal of Bioscience and Bioengineering</i> , 2004, 98, 274-281.	1.1	68
425	An Inhibitor of Bacterial Quorum Sensing Reduces Mortalities Caused by Vibriosis in Rainbow Trout (<i>Oncorhynchus mykiss</i> , Walbaum). <i>Systematic and Applied Microbiology</i> , 2004, 27, 350-359.	1.2	140
426	Is autoinducer-2 a universal signal for interspecies communication: a comparative genomic and phylogenetic analysis of the synthesis and signal transduction pathways. <i>BMC Evolutionary Biology</i> , 2004, 4, 36.	3.2	230
427	A comparative study on growth limits of <i>Listeria monocytogenes</i> as affected by temperature, pH and aw when grown in suspension or on a solid surface. <i>Food Microbiology</i> , 2004, 21, 415-422.	2.1	115

#	ARTICLE	IF	CITATIONS
428	The Study of the Physiology and Biochemistry of Microorganisms at the Institute of Microbiology, Russian Academy of Sciences. <i>Microbiology</i> , 2004, 73, 565-572.	0.5	0
429	Exploitation of marine algae: biogenic compounds for potential antifouling applications. <i>Planta</i> , 2004, 219, 561-78.	1.6	250
430	Heterologous overexpression of quorum-sensing regulators to study cell-density-dependent phenotypes in a symbiotic plant bacterium <i>Mesorhizobium huakuii</i> . <i>Archives of Microbiology</i> , 2004, 182, 520-525.	1.0	32
431	A simple and robust set-up for on-column sample preconcentration ? nano-liquid chromatography ? electrospray ionization mass spectrometry for the analysis of N-acylhomoserine lactones. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1014-1020.	1.9	47
432	Direct analysis of selected N-acyl-L-homoserine lactones by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1341-1344.	0.7	66
433	Crystallization of <i>Pseudomonas aeruginosa</i> AHL synthase LasI using \hat{I}^2 -turn crystal engineering. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 518-520.	2.5	5
434	Synthesis and Biological Validation of a Ubiquitous Quorum-Sensing Molecule. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2106-2108.	7.2	85
436	Effect of titanium surface topography on macrophage activation and secretion of proinflammatory cytokines and chemokines. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 70A, 194-205.	3.0	243
437	Regulation of virulence determinants in <i>Staphylococcus aureus</i> : complexity and applications. <i>FEMS Microbiology Reviews</i> , 2004, 28, 183-200.	3.9	354
438	Virulence Regulation and Quorum Sensing in Staphylococcal Infections: A Competitive AgrC Antagonists as Quorum Sensing Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 4633-4641.	2.9	96
439	<i>Pseudomonas aeruginosa</i> -Plant Root Interactions. Pathogenicity, Biofilm Formation, and Root Exudation. <i>Plant Physiology</i> , 2004, 134, 320-331.	2.3	327
440	Boron Binding with the Quorum Sensing Signal AI-2 and Analogues. <i>Organic Letters</i> , 2004, 6, 2635-2637.	2.4	39
442	Construction of a bacterial autoinducer detection system in mammalian cells. <i>Biological Procedures Online</i> , 2004, 6, 268-276.	1.4	15
443	Genetics of Stress Adaptation and Virulence in Toxigenic <i>Vibrio cholerae</i> . <i>DNA and Cell Biology</i> , 2004, 23, 723-741.	0.9	28
444	<i>Pseudomonas</i> . , 2004, , .		19
445	Quorum Sensing: The Complexities of Chemical Communication between Bacteria. <i>Complexus</i> , 2004, 2, 87-101.	0.7	9
446	Transcriptional analysis of the acid-inducible <i>asr</i> gene in enterobacteria. <i>Research in Microbiology</i> , 2004, 155, 535-542.	1.0	23
447	Fast screening method for detection of acyl-HSL-degrading soil isolates. <i>Journal of Microbiological Methods</i> , 2004, 57, 415-420.	0.7	21

#	ARTICLE	IF	CITATIONS
448	The Assimilation of $\hat{\beta}$ -Butyrolactone in <i>Agrobacterium tumefaciens</i> C58 Interferes with the Accumulation of the N-Acyl-Homoserine Lactone Signal. <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 951-957.	1.4	69
449	Quorum Quenching: Enzymatic Disruption of N-Acylhomoserine Lactone-Mediated Bacterial Communication in <i>Burkholderia thailandensis</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 6173-6180.	1.4	86
450	Insecticidal <i>Bacillus thuringiensis</i> Silences <i>Erwinia carotovora</i> Virulence by a New Form of Microbial Antagonism, Signal Interference. <i>Applied and Environmental Microbiology</i> , 2004, 70, 954-960.	1.4	227
451	Microbial ecology of hydrothermal biotypes. , 2004, , .		0
452	Bacteria and wound healing. <i>Current Opinion in Infectious Diseases</i> , 2004, 17, 91-96.	1.3	785
453	Functional genomics-based studies of the microbial ecology of hyperthermophilic micro-organisms. <i>Biochemical Society Transactions</i> , 2004, 32, 188-192.	1.6	5
454	Influence of Environmental Conditions on the Production of Phenazine-1-Carboxamide by <i>Pseudomonas chlororaphis</i> PCL1391. <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 557-566.	1.4	122
455	Microbial Diversity and Global Environmental Issues. , 0, , 225-242.		0
456	Origine de lâ€™infection osseuse : endogÃˆne ou exogÃˆne? Ã‰volutions de physiopathologie. <i>MÃ©decine Et Maladies Infectieuses</i> , 2004, 34, 530-537.	5.1	7
457	Biofilm Theory Can Guide the Treatment of Device-Related Orthopaedic Infections. <i>Clinical Orthopaedics and Related Research</i> , 2005, &NA;, 7-11.	0.7	355
458	Biofilm in Implant Infections: Its Production and Regulation. <i>International Journal of Artificial Organs</i> , 2005, 28, 1062-1068.	0.7	671
459	Introduction to Foodborne Pathogens. , 2005, , 519-544.		0
460	Photons for Reporting Molecular Events: Green Fluorescent Protein and Four Luciferase Systems. <i>Methods of Biochemical Analysis</i> , 2005, , 15-38.	0.2	5
461	Salmonella stress management and its relevance to behaviour during intestinal colonisation and infection. <i>FEMS Microbiology Reviews</i> , 2005, 29, 1021-1040.	3.9	166
462	Pyranosylmagellanica a novel structural class of polyhalogenated acetogenins from <i>Ptilonia magellanica</i> . <i>Tetrahedron</i> , 2005, 61, 9550-9554.	1.0	5
463	Quorum sensing in <i>Vibrio harveyi</i> : probing the specificity of the LuxP binding site. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 2395-2398.	1.0	46
464	Quorum sensing: the power of cooperation in the world of <i>Pseudomonas</i> . <i>Environmental Microbiology</i> , 2005, 7, 459-471.	1.8	347
465	Diversity of N-acyl homoserine lactone-producing and -degrading bacteria in soil and tobacco rhizosphere. <i>Environmental Microbiology</i> , 2005, 7, 1796-1808.	1.8	156

#	ARTICLE	IF	CITATIONS
466	The cell density-dependent expression of stewartan exopolysaccharide in <i>Pantoea stewartii</i> ssp. <i>stewartii</i> is a function of EsaR-mediated repression of the <i>rcaA</i> gene. <i>Molecular Microbiology</i> , 2005, 56, 189-203.	1.2	64
467	Direct binding of the quorum sensing regulator CepR of <i>Burkholderia cenocepacia</i> to two target promoters in vitro. <i>Molecular Microbiology</i> , 2005, 57, 452-467.	1.2	52
468	Conservation of genes and processes controlled by the quorum response in bacteria: characterization of genes controlled by the quorum-sensing transcription factor ComA in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2005, 57, 1159-1174.	1.2	146
469	A synthetic multicellular system for programmed pattern formation. <i>Nature</i> , 2005, 434, 1130-1134.	13.7	1,197
470	<i>Bacteroides</i> species produce <i>Vibrio harveyi</i> autoinducer 2-related molecules. <i>Anaerobe</i> , 2005, 11, 295-301.	1.0	20
471	Effect of inoculum size on the combined temperature, pH and aw limits for growth of <i>Listeria monocytogenes</i> . <i>International Journal of Food Microbiology</i> , 2005, 104, 83-91.	2.1	103
472	N-butanoyl-L-homoserine lactone (BHL) deficient <i>Pseudomonas aeruginosa</i> isolates from an intensive care unit. <i>Microbiological Research</i> , 2005, 160, 399-403.	2.5	15
473	Detection of Homoserine Lactone-Like Quorum Sensing Molecules in <i>Bradyrhizobium</i> Strains. <i>Current Microbiology</i> , 2005, 51, 250-254.	1.0	30
474	Microbial Life at high temperature, the challenges, the strategies. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 2974-2984.	2.4	36
475	Quorum sensing in halophilic bacteria: detection of N-acyl-homoserine lactones in the exopolysaccharide-producing species of <i>Halomonas</i> . <i>Extremophiles</i> , 2005, 9, 333-341.	0.9	66
476	N-acyl-homoserine lactone-mediated quorum sensing blockage, a novel strategy for attenuating pathogenicity of Gram-negative bacterial plant pathogens. <i>European Journal of Plant Pathology</i> , 2005, 111, 327-339.	0.8	20
477	Exoautometabolic regulation of transgenes in microorganisms. <i>Russian Journal of Ecology</i> , 2005, 36, 76-80.	0.3	0
478	Theoretical Study of Molecular Determinants Involved in Signal Binding to the TraR Protein of <i>Agrobacterium tumefaciens</i> . <i>Molecules</i> , 2005, 10, 1263-1271.	1.7	7
479	Quorum Sensing Inhibition: Targeting Chemical Communication in Gram-negative Bacteria. <i>Current Medicinal Chemistry</i> , 2005, 12, 3103-3115.	1.2	94
480	Quorum sensing in <i>Clostridium difficile</i> : analysis of a luxS-type signalling system. <i>Journal of Medical Microbiology</i> , 2005, 54, 119-127.	0.7	68
481	Characterization of Type 2 Quorum Sensing in <i>Klebsiella pneumoniae</i> and Relationship with Biofilm Formation. <i>Journal of Bacteriology</i> , 2005, 187, 2870-2880.	1.0	172
482	L-Canavanine Made by <i>Medicago sativa</i> Interferes with Quorum Sensing in <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2005, 187, 8427-8436.	1.0	122
483	An agr-Like Two-Component Regulatory System in <i>Lactobacillus plantarum</i> Is Involved in Production of a Novel Cyclic Peptide and Regulation of Adherence. <i>Journal of Bacteriology</i> , 2005, 187, 5224-5235.	1.0	144

#	ARTICLE	IF	CITATIONS
485	Bacterial Communication (Quorum Sensing) via Ligands and Receptors: A Novel Pharmacologic Target for the Design of Antibiotic Drugs. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 417-423.	1.3	110
486	Detection of a bioluminescent milky sea from space. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14181-14184.	3.3	128
487	Salmonella : virulence, stress response and resistance. , 2005, , 215-239.		2
488	Lubricating bacteria model for the growth of bacterial colonies exposed to ultraviolet radiation. <i>Physical Review E</i> , 2005, 72, 051913.	0.8	2
489	Microbial Biofilms in Medicine. , 2005, , 1-28.		6
490	Identity and effects of quorum-sensing inhibitors produced by <i>Penicillium</i> species. <i>Microbiology (United Kingdom)</i> , 2005, 151, 1325-1340.	0.7	425
491	Intracellular Screen To Identify Metagenomic Clones That Induce or Inhibit a Quorum-Sensing Biosensor. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6335-6344.	1.4	191
492	Quorum-sensing and virulence in foodborne pathogens. , 2005, , 549-597.		1
493	The TetR Family of Transcriptional Repressors. <i>Microbiology and Molecular Biology Reviews</i> , 2005, 69, 326-356.	2.9	989
494	Garlic blocks quorum sensing and promotes rapid clearing of pulmonary <i>Pseudomonas aeruginosa</i> infections. <i>Microbiology (United Kingdom)</i> , 2005, 151, 3873-3880.	0.7	381
495	Detection of and Response to Signals Involved in Host-Microbe Interactions by Plant-Associated Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2005, 69, 155-194.	2.9	333
496	N-Acylhomoserine lactone quorum-sensing molecules are modified and degraded by <i>Rhodococcus erythropolis</i> W2 by both amidolytic and novel oxidoreductase activities. <i>Microbiology (United Kingdom)</i> , 2005, 151, 1773-1781.	1.7	107
497	Screening for Quorum-Sensing Inhibitors (QSI) by Use of a Novel Genetic System, the QSI Selector. <i>Journal of Bacteriology</i> , 2005, 187, 1799-1814.	1.0	549
498	Quorum quenching enzyme activity is widely conserved in the sera of mammalian species. <i>FEBS Letters</i> , 2005, 579, 3713-3717.	1.3	179
499	Bacterial observations: a rudimentary form of intelligence?. <i>Trends in Microbiology</i> , 2005, 13, 152-158.	3.5	69
500	<i>Pseudomonas aeruginosa</i> tolerance to tobramycin, hydrogen peroxide and polymorphonuclear leukocytes is quorum-sensing dependent. <i>Microbiology (United Kingdom)</i> , 2005, 151, 373-383.	0.7	451
501	Decoding Microbial Chatter: Cell-Cell Communication in Bacteria. <i>Journal of Bacteriology</i> , 2005, 187, 5507-5519.	1.0	111
502	Nonmedical: <i>Pseudomonas</i> . , 2006, , 646-703.		107

#	ARTICLE	IF	CITATIONS
503	Role of the luxS Quorum-Sensing System in Biofilm Formation and Virulence of <i>Staphylococcus epidermidis</i> . <i>Infection and Immunity</i> , 2006, 74, 488-496.	1.0	221
504	Detection and characterization of bacteria from the potato rhizosphere degrading N-acyl-homoserine lactone. <i>Canadian Journal of Microbiology</i> , 2006, 52, 1006-1015.	0.8	103
505	Cell-Cell Interactions. , 2006, , 221-245.		2
506	Biosynthesis of Antibiotics by PGPR and its Relation in Biocontrol of Plant Diseases. , 2005, , 67-109.		42
507	Quorum Sensing on a Global Scale: Massive Numbers of Bioluminescent Bacteria Make Milky Seas. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2295-2297.	1.4	52
508	Quantitative evaluation of cell-to-cell communication effects in cell group class using on-chip individual-cell-based cultivation system. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 1130-1138.	1.0	8
509	The cyostat: A new way to study cell physiology in a precisely defined environment. <i>Journal of Biotechnology</i> , 2006, 126, 163-172.	1.9	32
510	Furanones. <i>Progress in Molecular and Subcellular Biology Marine Molecular Biotechnology</i> , 2006, 42, 55-86.	1.5	43
511	Production and properties of the native <i>Chromobacterium violaceum</i> fucose-binding lectin (CV-III) compared to homologous lectins of <i>Pseudomonas aeruginosa</i> (PA-III) and <i>Ralstonia solanacearum</i> (RS-III). <i>Microbiology (United Kingdom)</i> , 2006, 152, 457-463.	0.7	29
512	Inhibition of expression of a staphylococcal superantigen-like protein by a soluble factor from <i>Lactobacillus reuteri</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 1155-1167.	0.7	68
513	Bacterial Evolution by Intelligent Design. <i>ACS Chemical Biology</i> , 2006, 1, 429-431.	1.6	5
514	A LuxR/LuxI-Type Quorum-Sensing System in a Plant Bacterium, <i>Mesorhizobium tianshanense</i> , Controls Symbiotic Nodulation. <i>Journal of Bacteriology</i> , 2006, 188, 1943-1949.	1.0	72
515	Immunization with 3-oxododecanoyl-l-homoserine lactone-â€œprotein conjugate protects mice from lethal <i>Pseudomonas aeruginosa</i> lung infection. <i>Journal of Medical Microbiology</i> , 2006, 55, 1381-1387.	0.7	98
516	Evaluation of Bacterial Antagonists for Biological Control of Broccoli Head Rot Caused by <i>Pseudomonas fluorescens</i> . <i>Phytopathology</i> , 2006, 96, 408-416.	1.1	9
517	Antibody Interference with N-Acyl Homoserine Lactone-Mediated Bacterial Quorum Sensing. <i>Journal of the American Chemical Society</i> , 2006, 128, 2802-2803.	6.6	121
518	Targeted Screening of Bioactive Plant Extracts and Phytocompounds Against Problematic Groups of Multidrug-Resistant Bacteria. , 0, , 173-197.		5
519	Quorum sensing inhibitors: a bargain of effects. <i>Microbiology (United Kingdom)</i> , 2006, 152, 895-904.	0.7	445
520	Anti-quorum sensing activity of medicinal plants in southern Florida. <i>Journal of Ethnopharmacology</i> , 2006, 105, 427-435.	2.0	243

#	ARTICLE	IF	CITATIONS
521	Monitoring changes in nisin susceptibility of <i>Listeria monocytogenes</i> Scott A as an indicator of growth phase using FACS. <i>Journal of Microbiological Methods</i> , 2006, 66, 43-55.	0.7	11
522	N-Acylhomoserine lactone-dependent cell-to-cell communication and social behavior in the genus <i>Serratia</i> . <i>International Journal of Medical Microbiology</i> , 2006, 296, 117-124.	1.5	51
523	Quorum sensing. <i>International Journal of Medical Microbiology</i> , 2006, 296, 57-59.	1.5	15
524	<i>Staphylococcus</i> quorum sensing in biofilm formation and infection. <i>International Journal of Medical Microbiology</i> , 2006, 296, 133-139.	1.5	317
525	Quorum-sensing inhibitors as anti-pathogenic drugs. <i>International Journal of Medical Microbiology</i> , 2006, 296, 149-161.	1.5	754
526	The Structure and Function of Microbial Communities. , 2006, , 299-327.		7
527	Quorum sensing: dynamic response of <i>Pseudomonas aeruginosa</i> to external signals. <i>Trends in Microbiology</i> , 2006, 14, 55-58.	3.5	76
528	Contact-dependent inhibition: bacterial brakes and secret handshakes. <i>Trends in Microbiology</i> , 2006, 14, 58-60.	3.5	11
529	A novel bacterium <i>Saprospira</i> sp. strain PdY3 forms bundles and lyses cyanobacteria. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 1916.	3.0	20
531	Variations on a Theme: Diverse N-Acyl Homoserine Lactone-Mediated Quorum Sensing Mechanisms in Gram-Negative Bacteria. <i>Science Progress</i> , 2006, 89, 167-211.	1.0	74
532	Effect of salt stress on pigment production of <i>Serratia rubidaea</i> N-1: A potential indicator strain for screening quorum sensing inhibitors from marine microbes. <i>Journal of General and Applied Microbiology</i> , 2006, 52, 113-117.	0.4	14
534	Quorum sensing and regulation of <i>Pseudomonas aeruginosa</i> infections. , 0, , 1-22.		1
535	Jamming bacterial communications: new strategies to combat bacterial infections and the development of biofilms. , 0, , 65-100.		1
537	Mixed Culture Biofilms. , 0, , 105-126.		3
538	<i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> Strains Show Diversity in Production of and Response to N-acyl Homoserine Lactones. <i>Journal of Phytopathology</i> , 2006, 154, 729-739.	0.5	18
539	Dissection of the promoter/operator region and evaluation of N-acylhomoserine lactone mediated transcriptional regulation of elastase expression in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2006, 146, 311-318.	0.7	9
540	Control of exoenzyme production, motility and cell differentiation in <i>Serratia liquefaciens</i> . <i>FEMS Microbiology Letters</i> , 2006, 148, 115-122.	0.7	68
541	N-acylhomoserine lactonase producing <i>Rhodococcus</i> spp. with different AHL-degrading activities. <i>FEMS Microbiology Letters</i> , 2006, 261, 102-108.	0.7	91

#	ARTICLE	IF	CITATIONS
542	Members of the IclR family of bacterial transcriptional regulators function as activators and/or repressors. <i>FEMS Microbiology Reviews</i> , 2006, 30, 157-186.	3.9	206
543	Regulation of quorum sensing in <i>Pseudomonas</i> . <i>FEMS Microbiology Reviews</i> , 2006, 30, 274-291.	3.9	421
544	In situ quantitation of the spatial scale of calling distances and population density-independent N-acylhomoserine lactone-mediated communication by rhizobacteria colonized on plant roots. <i>FEMS Microbiology Ecology</i> , 2006, 56, 188-194.	1.3	168
545	Bacterial interactions and successions during plaque development. <i>Periodontology 2000</i> , 2006, 42, 47-79.	6.3	581
546	Hfq-dependent alterations of the transcriptome profile and effects on quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2006, 59, 1542-1558.	1.2	165
547	The phenazine pyocyanin is a terminal signalling factor in the quorum sensing network of <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2006, 61, 1308-1321.	1.2	639
548	The superficial life of microbes. <i>Nature</i> , 2006, 441, 300-302.	13.7	507
549	A comparative study of the inducing effect of homoserine lactone and hexylresorcinol on phenotypic dissociation in bacteria. <i>Microbiology</i> , 2006, 75, 401-404.	0.5	1
550	Involvement of host factors in the regulation of the <i>Vibrio fischeri</i> lux operon in <i>Escherichia coli</i> cells. <i>Microbiology</i> , 2006, 75, 452-458.	0.5	4
551	Quorum sensing regulation of gene expression: A promising target for drugs against bacterial pathogenicity. <i>Molecular Biology</i> , 2006, 40, 169-182.	0.4	44
552	GroEL/GroES chaperone and Lon protease regulate expression of the <i>Vibrio fischeri</i> lux operon in <i>Escherichia coli</i> . <i>Molecular Biology</i> , 2006, 40, 240-245.	0.4	19
553	Functional Genetic Analysis Reveals a 2-Alkyl-4-Quinolone Signaling System in the Human Pathogen <i>Burkholderia pseudomallei</i> and Related Bacteria. <i>Chemistry and Biology</i> , 2006, 13, 701-710.	6.2	169
554	From a Local Dialect to a Common Language. <i>Chemistry and Biology</i> , 2006, 13, 803-804.	6.2	2
555	XYâ€“ZH compounds as potential 1,3-dipoles. Part 63: Silver catalysed azomethine ylide cycloadditionâ€“the synthesis of spiro homoserine lactone analogues. <i>Tetrahedron</i> , 2006, 62, 10332-10343.	1.0	43
556	The quorum-sensing system in a plant bacterium <i>Mesorhizobium huakuii</i> affects growth rate and symbiotic nodulation. <i>Plant and Soil</i> , 2006, 286, 53-60.	1.8	16
557	Contribution to the Whole (H). Can Squids Show us Anything that We did not know Already?. <i>Biology and Philosophy</i> , 2006, 21, 189-211.	0.7	10
558	<i>Halomonas maura</i> is a physiologically versatile bacterium of both ecological and biotechnological interest. <i>Antonie Van Leeuwenhoek</i> , 2006, 89, 395-403.	0.7	69
559	Producing mechanism of an algicidal compound against red tide phytoplankton in a marine bacterium β -proteobacterium. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 684-690.	1.7	105

#	ARTICLE	IF	CITATIONS
560	Identification of the Critical Role of Tyr-194 in the Catalytic Activity of a Novel N-Acyl-Homoserine Lactonase from Marine <i>Bacillus cereus</i> Strain Y2. <i>Current Microbiology</i> , 2006, 53, 346-350.	1.0	16
561	The adherence of <i>Salmonella</i> Enteritidis PT4 to stainless steel: The importance of the air-liquid interface and nutrient availability. <i>Food Microbiology</i> , 2006, 23, 747-752.	2.1	80
562	Quorum Sensing: Alcohols in a Social Situation. <i>Current Biology</i> , 2006, 16, R457-R458.	1.8	44
563	Characterization of autoinducer 2 signal in <i>Eikenella corrodens</i> and its role in biofilm formation. <i>Journal of Bioscience and Bioengineering</i> , 2006, 102, 110-117.	1.1	39
564	The surface (S)-layer gene <i>cspB</i> of <i>Corynebacterium glutamicum</i> is transcriptionally activated by a LuxR-type regulator and located on a 6 kb genomic island absent from the type strain ATCC 13032. <i>Microbiology (United Kingdom)</i> , 2006, 152, 923-935.	0.7	44
565	Conditional production of acyl-homoserine lactone-type quorum-sensing signals in clinical isolates of enterobacteria. <i>Journal of Medical Microbiology</i> , 2006, 55, 1751-1753.	0.7	15
566	Expression and Characterization of the Peptidase Domain of <i>Streptococcus pneumoniae</i> ComA, a Bifunctional ATP-binding Cassette Transporter Involved in Quorum Sensing Pathway. <i>Journal of Biological Chemistry</i> , 2006, 281, 4726-4731.	1.6	37
567	The QscR Quorum-Sensing Regulon of <i>Pseudomonas aeruginosa</i> : an Orphan Claims Its Identity. <i>Journal of Bacteriology</i> , 2006, 188, 3169-3171.	1.0	115
568	The Transcriptional Regulator VqmA Increases Expression of the Quorum-Sensing Activator HapR in <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , 2006, 188, 2446-2453.	1.0	49
569	Mutation of <i>luxS</i> affects motility and infectivity of <i>Helicobacter pylori</i> in gastric mucosa of a Mongolian gerbil model. <i>Journal of Medical Microbiology</i> , 2006, 55, 1477-1485.	0.7	54
570	Use of Bacterial Quorum-Sensing Components to Regulate Gene Expression in Plants. <i>Plant Physiology</i> , 2006, 140, 1205-1212.	2.3	26
571	LuxS Involvement in the Regulation of Genes Coding for Hemin and Iron Acquisition Systems in <i>Porphyromonas gingivalis</i> . <i>Infection and Immunity</i> , 2006, 74, 3834-3844.	1.0	94
572	Crystal Structure and Mechanism of TraM2, a Second Quorum-Sensing Antiaactivator of <i>Agrobacterium tumefaciens</i> Strain A6. <i>Journal of Bacteriology</i> , 2006, 188, 8244-8251.	1.0	11
574	The <i>ppuI-rsaL-ppuR</i> Quorum-Sensing System Regulates Biofilm Formation of <i>Pseudomonas putida</i> PCL1445 by Controlling Biosynthesis of the Cyclic Lipopeptides Putisolvins I and II. <i>Journal of Bacteriology</i> , 2006, 188, 2898-2906.	1.0	106
575	Twenty thousand leagues over the seas: the first satellite perspective on bioluminescent "milky seas". <i>International Journal of Remote Sensing</i> , 2006, 27, 5131-5143.	1.3	8
576	Luminous Bacteria. , 2006, , 863-892.		29
577	Unique characteristics of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> AvrXa21 and implications for plant innate immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18395-18400.	3.3	110
578	Eukaryotes learn how to count: quorum sensing by yeast. <i>Genes and Development</i> , 2006, 20, 1045-1049.	2.7	84

#	ARTICLE	IF	CITATIONS
579	Quorum Sensing in Dimorphic Fungi: Farnesol and Beyond. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3805-3813.	1.4	242
580	Talking to Themselves: Autoregulation and Quorum Sensing in Fungi. <i>Eukaryotic Cell</i> , 2006, 5, 613-619.	3.4	237
581	In Vivo and In Vitro Anaerobic Mating in <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2007, 6, 465-472.	3.4	86
582	Molecular Basis of Transcriptional Antiactivation. <i>Journal of Biological Chemistry</i> , 2007, 282, 19979-19991.	1.6	29
583	Quorum Sensing Enhances the Stress Response in <i>Vibrio cholerae</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 3742-3746.	1.4	114
584	Deadly Priming. <i>Science</i> , 2007, 318, 578-579.	6.0	6
585	Inhibitors of Pathogen Intercellular Signals as Selective Anti-Infective Compounds. <i>PLoS Pathogens</i> , 2007, 3, e126.	2.1	184
586	Quorum Sensing in <i>Escherichia coli</i> Is Signaled by AI-2/LsrR: Effects on Small RNA and Biofilm Architecture. <i>Journal of Bacteriology</i> , 2007, 189, 6011-6020.	1.0	200
587	Directed Evolution of <i>Vibrio fischeri</i> LuxR for Improved Response to Butanoyl-Homoserine Lactone. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5775-5781.	1.4	52
588	<i>Pseudomonas aeruginosa</i> AlgR Represses the Rhl Quorum-Sensing System in a Biofilm-Specific Manner. <i>Journal of Bacteriology</i> , 2007, 189, 7752-7764.	1.0	90
589	Quorum-sensing regulation in rhizobia and its role in symbiotic interactions with legumes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1149-1163.	1.8	153
590	Acylated homoserine lactones in the environment: chameleons of bioactivity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1235-1240.	1.8	28
591	Quorum Sensing Regulates Denitrification in <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Bacteriology</i> , 2007, 189, 4969-4972.	1.0	114
592	Biocontrol of Plant Diseases by Associative and Endophytic Nitrogen-Fixing Bacteria. , 2007, , 171-190.		9
593	Quorum-sensing-regulated transcriptional initiation of plasmid transfer and replication genes in <i>Rhizobium leguminosarum</i> biovar <i>viciae</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 2074-2082.	0.7	52
595	A Molecular Communication System Model Based on Biological Circuits. , 2014, , .		5
596	Impact of <i>Pseudomonas aeruginosa</i> quorum sensing on biofilm persistence in an in vivo intraperitoneal foreign-body infection model. <i>Microbiology (United Kingdom)</i> , 2007, 153, 2312-2320.	0.7	124
597	Quorum Sensing: Fact, Fiction, and Everything in Between. <i>Advances in Applied Microbiology</i> , 2007, 62, 191-234.	1.3	76

#	ARTICLE	IF	CITATIONS
598	Sodium regulates Escherichia coli acid resistance, and influences GadX- and GadW-dependent activation of gadE. Microbiology (United Kingdom), 2007, 153, 3154-3161.	0.7	27
600	RamA, the Transcriptional Regulator of Acetate Metabolism in <i>Corynebacterium glutamicum</i> , Is Subject to Negative Autoregulation. Journal of Molecular Microbiology and Biotechnology, 2007, 12, 51-59.	1.0	38
601	Thermoregulation of N -Acyl Homoserine Lactone-Based Quorum Sensing in the Soft Rot Bacterium Pectobacterium atrosepticum. Applied and Environmental Microbiology, 2007, 73, 4078-4081.	1.4	35
602	Temporal Quorum-Sensing Induction Regulates Vibrio cholerae Biofilm Architecture. Infection and Immunity, 2007, 75, 122-126.	1.0	56
603	Hormonal control by A-factor of morphological development and secondary metabolism in Streptomyces. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2007, 83, 277-295.	1.6	93
604	Bacteria are small but not stupid: cognition, natural genetic engineering and socio-bacteriology. Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences, 2007, 38, 807-819.	0.8	156
605	Evolutionary theory of bacterial quorum sensing: when is a signal not a signal?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 1241-1249.	1.8	206
606	Detection of acylated homoserine lactones in gram-negative proteolytic psychrotrophic bacteria isolated from cooled raw milk. Food Control, 2007, 18, 1322-1327.	2.8	81
607	Thinking about Bacillus subtilis as a multicellular organism. Current Opinion in Microbiology, 2007, 10, 638-643.	2.3	206
608	Direct quantification of N-(3-oxo-hexanoyl)-L-homoserine lactone in culture supernatant using a whole-cell bioreporter. Journal of Microbiological Methods, 2007, 68, 40-45.	0.7	20
609	Synthetic sports: a bacterial relay race. IET Synthetic Biology, 2007, 1, 61-63.	0.2	2
610	Programming gene expression with combinatorial promoters. Molecular Systems Biology, 2007, 3, 145.	3.2	305
611	Cell-Cell Communication In Bacteria. , 2007, , 253-264.		12
612	Disruption of nifA Gene Influences Multiple Cellular Processes in Sinorhizobium meliloti. Journal of Genetics and Genomics, 2007, 34, 783-789.	1.7	14
614	Communication systems in the genus <i>Burkholderia</i> : global regulators and targets for novel antipathogenic drugs. Future Microbiology, 2007, 2, 555-563.	1.0	52
615	Pseudomonas. , 2007, , .		9
616	Making sense of quorum sensing in lactobacilli: a special focus on Lactobacillus plantarum WCFS1. Microbiology (United Kingdom), 2007, 153, 3939-3947.	0.7	74
618	Quorum sensing as a target for developing control strategies for the plant pathogen Pectobacterium. , 2007, , 353-365.		0

#	ARTICLE	IF	CITATIONS
619	Look who's talking: communication and quorum sensing in the bacterial world. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1119-1134.	1.8	657
620	Mining and Polishing of the Treasure Trove in the Bacterial Genus <i>Streptomyces</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 283-299.	0.6	156
621	Molecular Insights into Quorum Sensing in the Human Pathogen <i>Pseudomonas aeruginosa</i> from the Structure of the Virulence Regulator LasR Bound to Its Autoinducer. <i>Journal of Biological Chemistry</i> , 2007, 282, 13592-13600.	1.6	338
622	The Science of Wound Bed Preparation. <i>Clinics in Plastic Surgery</i> , 2007, 34, 621-632.	0.7	52
623	Synthesis and evaluation of the antimicrobial activity of novel quinazolinones. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 577-583.	2.5	19
624	Learning the Language of Bacteria. <i>ACS Chemical Biology</i> , 2007, 2, 715-717.	1.6	32
625	Looking for Chinks in the Armor of Bacterial Biofilms. <i>PLoS Biology</i> , 2007, 5, e307.	2.6	191
627	Could Modifications of Processing Parameters Enhance the Growth and Selection of Lactic Acid Bacteria in Cold-Smoked Salmon To Improve Preservation by Natural Means?. <i>Journal of Food Protection</i> , 2007, 70, 1607-1614.	0.8	11
628	Profiling of <i>N</i> -acetylhomoserine lactones by liquid chromatography coupled with electrospray ionization and a hybrid quadrupole linear ion trap and Fourier transform ion cyclotron resonance mass spectrometry (LC-ESI-LTQ-FTICR-MS). <i>Journal of Mass Spectrometry</i> , 2008, 43, 82-96.	0.7	38
629	Magnetic nanofactories: Localized synthesis and delivery of quorum-sensing signaling molecule autoinducer-2 to bacterial cell surfaces. <i>Metabolic Engineering</i> , 2007, 9, 228-239.	3.6	30
630	Antibody catalyzed hydrolysis of a quorum sensing signal found in Gram-negative bacteria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1549-1552.	1.0	53
631	Extracellular noise-induced stochastic synchronization in heterogeneous quorum sensing network. <i>Journal of Theoretical Biology</i> , 2007, 245, 726-736.	0.8	14
632	Does efficiency sensing unify diffusion and quorum sensing?. <i>Nature Reviews Microbiology</i> , 2007, 5, 230-239.	13.6	439
633	Growth promotion of quorum-quenching bacteria in the rhizosphere of <i>Solanum tuberosum</i> . <i>Environmental Microbiology</i> , 2007, 9, 1511-1522.	1.8	97
634	RsaL provides quorum sensing homeostasis and functions as a global regulator of gene expression in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2007, 66, 1557-1565.	1.2	130
635	Profiling acylated homoserine lactones in <i>Yersinia ruckeri</i> and influence of exogenous acyl homoserine lactones and known quorum-sensing inhibitors on protease production. <i>Journal of Applied Microbiology</i> , 2007, 102, 363-74.	1.4	22
636	A LuxR homologue of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> is required for optimal rice virulence. <i>Molecular Plant Pathology</i> , 2007, 8, 529-538.	2.0	81
637	Detection of quorum-sensing <i>N</i> -acyl homoserine lactone signal molecules by bacterial biosensors. <i>FEMS Microbiology Letters</i> , 2007, 266, 1-9.	0.7	349

#	ARTICLE	IF	CITATIONS
638	<i>Oryza sativa</i> rice plants contain molecules that activate different quorum-sensing N-acyl homoserine lactone biosensors and are sensitive to the specific AiiA lactonase. <i>FEMS Microbiology Letters</i> , 2007, 269, 213-220.	0.7	50
639	Beyond quorum sensing: the complexities of prokaryotic parliamentary procedures. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 391-398.	1.9	32
640	Bacterial quorum sensing and interference by naturally occurring biomimics. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 445-453.	1.9	82
641	Analysing traces of autoinducer-2 requires standardization of the <i>Vibrio harveyi</i> bioassay. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 489-496.	1.9	57
642	Analysis of the hierarchy of quorum-sensing regulation in <i>Pseudomonas aeruginosa</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 469-479.	1.9	69
643	Uptake, degradation and chiral discrimination of N-acyl-D/L-homoserine lactones by barley (<i>Hordeum Tj</i> ETQq1 1 0.784314 rgBT /Ovele 1447-1457.	1.9	98
644	Quorum sensing as a target for developing control strategies for the plant pathogen <i>Pectobacterium</i> . <i>European Journal of Plant Pathology</i> , 2007, 119, 353-365.	0.8	63
645	Dialogues of root-colonizing biocontrol pseudomonads. <i>European Journal of Plant Pathology</i> , 2007, 119, 311-328.	0.8	62
646	From unicellular properties to multicellular behavior: bacteria quorum sensing circuitry and applications. <i>Current Opinion in Biotechnology</i> , 2008, 19, 550-555.	3.3	140
647	Induction of the <i>yjbEFGH</i> operon is regulated by growth rate and oxygen concentration. <i>Archives of Microbiology</i> , 2008, 189, 219-226.	1.0	7
648	Effects of <i>luxCDABEG</i> induction in <i>Vibrio fischeri</i> : enhancement of symbiotic colonization and conditional attenuation of growth in culture. <i>Archives of Microbiology</i> , 2008, 190, 169-183.	1.0	98
649	Quorum sensing inhibitory drugs as next generation antimicrobials: Worth the effort?. <i>Current Infectious Disease Reports</i> , 2008, 10, 22-28.	1.3	68
650	Quorum Sensing Antagonism from Marine Organisms. <i>Marine Biotechnology</i> , 2008, 10, 56-63.	1.1	182
651	Detection of N-acyl homoserine lactones using a <i>traI-luxCDABE</i> -based biosensor as a high-throughput screening tool. <i>BMC Biotechnology</i> , 2008, 8, 59.	1.7	17
652	Novel mode of transcription regulation by <i>SdiA</i> , an <i>Escherichia coli</i> homologue of the quorum-sensing regulator. <i>Molecular Microbiology</i> , 2008, 41, 1187-1198.	1.2	39
653	The <i>att</i> locus of <i>Rhodococcus fascians</i> strain D188 is essential for full virulence on tobacco through the production of an autoregulatory compound. <i>Molecular Microbiology</i> , 2008, 42, 13-28.	1.2	54
654	Mutation of <i>luxS</i> affects growth and virulence factor expression in <i>Streptococcus pyogenes</i> . <i>Molecular Microbiology</i> , 2008, 42, 145-157.	1.2	172
655	Population density-dependent regulation of the <i>Bradyrhizobium japonicum</i> nodulation genes. <i>Molecular Microbiology</i> , 2008, 42, 37-46.	1.2	52

#	ARTICLE	IF	CITATIONS
656	Phosphate availability regulates biosynthesis of two antibiotics, prodigiosin and carbapenem, in <i>Serratia</i> via both quorum-sensing-dependent and -independent pathways. <i>Molecular Microbiology</i> , 2008, 47, 303-320.	1.2	237
657	Quorum sensing detected by atomic force microscopy imaging of corrals surrounding multicellular arrangement of bacteria. <i>Microscopy Research and Technique</i> , 2008, 71, 112-118.	1.2	2
658	Multicellular behavior in bacteria: communication, cooperation, competition and cheating. <i>BioEssays</i> , 2008, 30, 296-298.	1.2	86
659	Localized Quorum Sensing in <i>Vibrio fischeri</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 180-187.	2.5	9
660	Sensitivity of the quorum sensing system is achieved by low pass filtering. <i>BioSystems</i> , 2008, 92, 76-81.	0.9	36
661	Influence of heterocyclic and oxime-containing farnesol analogs on quorum sensing and pathogenicity in <i>Candida albicans</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1842-1848.	1.4	17
662	Molecular Mechanisms of Plant and Microbe Coexistence. <i>Soil Biology</i> , 2008, , .	0.6	37
663	Quorum Sensing in Staphylococci. <i>Annual Review of Genetics</i> , 2008, 42, 541-564.	3.2	773
664	Morphological Transitions Governed by Density Dependence and Lipoxygenase Activity in <i>Aspergillus flavus</i> . <i>Applied and Environmental Microbiology</i> , 2008, 74, 5674-5685.	1.4	110
665	Inhibition of Lux quorum-sensing system by synthetic <i>N</i>-acyl-L-homoserine lactone analogous. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 1023-1028.	0.9	21
666	Quorum quenching activity in <i>Anabaena</i> sp. PCC 7120: identification of AiiC, a novel AHL-acylase. <i>FEMS Microbiology Letters</i> , 2008, 280, 73-80.	0.7	139
667	Degradation of N-acyl homoserine lactone quorum sensing signal molecules by forest root-associated fungi. <i>FEMS Microbiology Ecology</i> , 2008, 65, 271-278.	1.3	104
668	Topical antimicrobial therapy of chronic wounds healing by secondary intention using iodine products. <i>International Wound Journal</i> , 2008, 5, 361-368.	1.3	83
669	Quorum-sensing signals in the microbial community of the cabbage white butterfly larval midgut. <i>ISME Journal</i> , 2008, 2, 1101-1111.	4.4	20
670	Detection of <i>Pseudomonas aeruginosa</i> quorum sensing signals in an infected ischemic wound: An experimental study in rats. <i>Wound Repair and Regeneration</i> , 2008, 16, 30-36.	1.5	38
671	Polysaccharide hydrolysis in aggregates and free enzyme activity in aggregate-free seawater from the north-eastern Gulf of Mexico. <i>Environmental Microbiology</i> , 2008, 10, 289-299.	1.8	48
672	A metagenomic analysis of soil bacteria extends the diversity of quorum-quenching lactonases. <i>Environmental Microbiology</i> , 2008, 10, 560-570.	1.8	100
673	Comparative transcriptome analysis of <i>Agrobacterium tumefaciens</i> in response to plant signal salicylic acid, indole-3-acetic acid and β -amino butyric acid reveals signalling cross-talk and <i>Agrobacterium</i> -plant co-evolution. <i>Cellular Microbiology</i> , 2008, 10, 2339-2354.	1.1	102

#	ARTICLE	IF	CITATIONS
674	Functional interplay between the <i>Yersinia pseudotuberculosis</i> YpsRI and YtbRI quorum sensing systems modulates swimming motility by controlling expression of <i>flhDC</i> and <i>fliA</i> . <i>Molecular Microbiology</i> , 2008, 69, 137-151.	1.2	53
675	A small RNA-mediated negative feedback loop controls quorum-sensing dynamics in <i>Vibrio harveyi</i> . <i>Molecular Microbiology</i> , 2008, 70, 896-907.	1.2	68
676	Detection of quorum-sensing-related molecules in <i>Vibrio scophthalmi</i> . <i>BMC Microbiology</i> , 2008, 8, 138.	1.3	21
677	Grapefruit juice and its furocoumarins inhibits autoinducer signaling and biofilm formation in bacteria. <i>International Journal of Food Microbiology</i> , 2008, 125, 204-208.	2.1	175
679	Quorum Sensing. , 2008, , 179-232.		2
680	Stochastic Modeling of Gene Positive Autoregulation Networks Involving Signal Molecules. <i>Biophysical Journal</i> , 2008, 95, 3137-3145.	0.2	3
681	Molecular Biology of Plant Disease Development. , 2008, , 7-195.		0
682	Quorum Sensing and Biofilm Formation by <i>Streptococcus mutans</i> . <i>Advances in Experimental Medicine and Biology</i> , 2008, 631, 178-188.	0.8	119
683	A Degenerate Tripartite DNA-Binding Site Required for Activation of ComA-Dependent Quorum Response Gene Expression in <i>Bacillus subtilis</i> . <i>Journal of Molecular Biology</i> , 2008, 381, 261-275.	2.0	20
684	The quorum quenching antibody RS2-1G9 protects macrophages from the cytotoxic effects of the <i>Pseudomonas aeruginosa</i> quorum sensing signalling molecule N-3-oxo-dodecanoyl-homoserine lactone. <i>Molecular Immunology</i> , 2008, 45, 2710-2714.	1.0	65
685	Cell-Cell Communication in Bacteria: United We Stand. <i>Journal of Bacteriology</i> , 2008, 190, 4377-4391.	1.0	147
686	How does eutrophication affect the role of grazers in harmful algal bloom dynamics?. <i>Harmful Algae</i> , 2008, 8, 152-157.	2.2	63
687	Deducing Receptor Signaling Parameters from In Vivo Analysis: LuxN/AI-1 Quorum Sensing in <i>Vibrio harveyi</i> . <i>Cell</i> , 2008, 134, 461-473.	13.5	101
688	Growth phase-specific release of polyunsaturated aldehydes by the diatom <i>Skeletonema marinoi</i> . <i>Journal of Plankton Research</i> , 2008, 30, 1305-1313.	0.8	93
689	Quorum Sensing and Microbial Biofilms. <i>Current Topics in Microbiology and Immunology</i> , 2008, 322, 67-84.	0.7	164
690	2-Methoxycyclopentyl analogues of a <i>Pseudomonas aeruginosa</i> quorum sensing modulator. <i>Molecular BioSystems</i> , 2008, 4, 505.	2.9	15
691	Synthesis of 5-(bromomethylene)furan-2(5H)-ones and 3-(bromomethylene)isobenzofuran-1(3H)-ones as inhibitors of microbial quorum sensing. <i>New Journal of Chemistry</i> , 2008, 32, 1567.	1.4	32
692	Synthesis and Stereochemistry-Activity Relationship of <i>small</i> Bacteriocin, an Autoinducer of the Symbiotic Nitrogen-Fixing Bacterium <i>Rhizobium leguminosarum</i> . <i>Organic Letters</i> , 2008, 10, 2047-2050.	2.4	23

#	ARTICLE	IF	CITATIONS
693	An Unexpected Switch in the Modulation of AI-2-Based Quorum Sensing Discovered through Synthetic 4,5-Dihydroxy-2,3-pentanedione Analogues. <i>Journal of the American Chemical Society</i> , 2008, 130, 9200-9201.	6.6	84
694	Furanones, potential agents for preventing <i>Staphylococcus epidermidis</i> biofilm infections?. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 63, 309-316.	1.3	92
695	A LuxP-Based Fluorescent Sensor for Bacterial Autoinducer II. <i>ACS Chemical Biology</i> , 2008, 3, 110-119.	1.6	39
696	Substrate Recognition Mechanism of the Peptidase Domain of the Quorum-Sensing-Signal [~] Producing ABC Transporter ComA from <i>Streptococcus</i> . <i>Biochemistry</i> , 2008, 47, 2531-2538.	1.2	31
697	Proteome Analysis of Tea Pollen (<i>Camellia sinensis</i>) under Different Storage Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7535-7544.	2.4	22
698	Interspecies and interkingdom communication mediated by bacterial quorum sensing. <i>Chemical Society Reviews</i> , 2008, 37, 1337.	18.7	151
699	High-cell-density regulation of the <i>Pseudomonas aeruginosa</i> type III secretion system: implications for tryptophan catabolites. <i>Microbiology (United Kingdom)</i> , 2008, 154, 2195-2208.	0.7	40
700	The social behaviours of bacterial pathogens. <i>British Medical Bulletin</i> , 2008, 87, 63-75.	2.7	39
701	Two Homologous Agr-Like Quorum-Sensing Systems Cooperatively Control Adherence, Cell Morphology, and Cell Viability Properties in <i>Lactobacillus plantarum</i> WCFS1. <i>Journal of Bacteriology</i> , 2008, 190, 7655-7665.	1.0	34
702	Control of Biofilm Infections by Signal Manipulation. <i>Springer Series on Biofilms</i> , 2008, , .	0.0	12
703	N-Acyl Homoserine Lactone Quorum Sensing in Gram-Negative Rhizobacteria. <i>Soil Biology</i> , 2008, , 69-90.	0.6	13
704	Healthcare Epidemiology: Quorum Sensing: Bacteria Talk Sense. <i>Clinical Infectious Diseases</i> , 2008, 47, 1070-1076.	2.9	113
705	Coordinated regulation of virulence by quorum sensing and motility pathways during the initial stages of <i>Vibrio cholerae</i> infection. <i>Communicative and Integrative Biology</i> , 2008, 1, 42-44.	0.6	24
706	Brominated Furanones Inhibit Biofilm Formation by <i>Salmonella enterica</i> Serovar Typhimurium. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6639-6648.	1.4	184
707	An OmpA Family Protein, a Target of the GinI/GinR Quorum-Sensing System in <i>Gluconacetobacter intermedius</i> , Controls Acetic Acid Fermentation. <i>Journal of Bacteriology</i> , 2008, 190, 5009-5019.	1.0	13
708	The <i>Pseudomonas</i> Quinolone Signal (PQS) Balances Life and Death in <i>Pseudomonas aeruginosa</i> Populations. <i>PLoS Pathogens</i> , 2008, 4, e1000166.	2.1	205
709	Lutte contre les maladies bactériennes de la pomme de terre dues aux <i>Pectobacterium</i> spp. (<i>Erwinia</i> <i>Ācarotovora</i>). <i>Cahiers Agricultures</i> , 2008, 17, 355-360.	0.4	18
710	Roles and Interactions of <i>Burkholderia pseudomallei</i> BpsIR Quorum-Sensing System Determinants. <i>Journal of Bacteriology</i> , 2008, 190, 7291-7297.	1.0	16

#	ARTICLE	IF	CITATIONS
711	Control of Acetic Acid Fermentation by Quorum Sensing via <i>N</i> -Acylhomoserine Lactones in <i>Gluconacetobacter intermedius</i> . Journal of Bacteriology, 2008, 190, 2546-2555.	1.0	43
712	Population-level virulence factors amongst pathogenic bacteria: relation to infection outcome. Future Microbiology, 2008, 3, 31-42.	1.0	24
713	Molecular Biology in Plant Pathogenesis and Disease Management. , 2008, , .		0
714	Nasal Solitary Chemoreceptor Cell Responses to Bitter and Trigeminal Stimulants In Vitro. Journal of Neurophysiology, 2008, 99, 2929-2937.	0.9	114
717	Bacterial Cell-to-cell Communication (Quorum Sensing). Springer Series on Biofilms, 2008, , 13-38.	0.0	0
718	Biosensors for Quorum Chemical Signaling Molecules: Implications of Bacterial Communication in Gastrointestinal Disorders. ACS Symposium Series, 2008, , 13-27.	0.5	2
719	The Extracellular Death Factor: Physiological and Genetic Factors Influencing Its Production and Response in <i>Escherichia coli</i> . Journal of Bacteriology, 2008, 190, 3169-3175.	1.0	72
723	Biofilm formation and acyl homoserine lactone production in <i>Hafnia alvei</i> isolated from raw milk. Biological Research, 2009, 42, .	1.5	21
724	Safety-Based Shelf Life Model for Frankfurters Based on Time To Detect <i>Listeria monocytogenes</i> with Initial Inoculum below Detection Limit. Journal of Food Protection, 2009, 72, 1878-1884.	0.8	9
725	Marine-Derived Metabolites of S-Adenosylmethionine as Templates for New Anti-Infectives. Marine Drugs, 2009, 7, 401-434.	2.2	22
726	Natural marine products with antifouling activities. , 2009, , 572-622.		36
727	Virulence Gene Regulation by the agr System in <i>Clostridium perfringens</i> . Journal of Bacteriology, 2009, 191, 3919-3927.	1.0	114
728	The LuxR Family Quorum-Sensing Activator MrtR Requires Its Cognate Autoinducer for Dimerization and Activation but Not for Protein Folding. Journal of Bacteriology, 2009, 191, 434-438.	1.0	15
729	Detection of a quorum sensing signal molecule of <i>Acidovorax avenae</i> subsp. <i>citrulli</i> and its regulation of pathogenicity. Chinese Journal of Agricultural Biotechnology, 2009, 6, 49-53.	0.1	10
730	Computer-Aided Identification of Recognized Drugs as <i>Pseudomonas aeruginosa</i> Quorum-Sensing Inhibitors. Antimicrobial Agents and Chemotherapy, 2009, 53, 2432-2443.	1.4	199
731	Cell-Free <i>Escherichia coli</i> -Based System To Screen for Quorum-Sensing Molecules Interacting with Quorum Receptor Proteins of <i>Streptomyces coelicolor</i> . Applied and Environmental Microbiology, 2009, 75, 6367-6372.	1.4	22
732	Attenuation of <i>Edwardsiella tarda</i> Virulence by Small Peptides That Interfere with LuxS/Autoinducer Type 2 Quorum Sensing. Applied and Environmental Microbiology, 2009, 75, 3882-3890.	1.4	44
733	Quorum Sensing on the Airbus Wing: Margaret Fuller and Prince Kropotkin. FASEB Journal, 2009, 23, 973-977.	0.2	1

#	ARTICLE	IF	CITATIONS
734	Optimal tuning of bacterial sensing potential. <i>Molecular Systems Biology</i> , 2009, 5, 286.	3.2	77
735	<i>Pseudomonas aeruginosa</i> recognizes and responds aggressively to the presence of polymorphonuclear leukocytes. <i>Microbiology (United Kingdom)</i> , 2009, 155, 3500-3508.	0.7	207
736	Communication and Autoinduction in the species <i>Listeria monocytogenes</i> . <i>Communicative and Integrative Biology</i> , 2009, 2, 371-374.	0.6	49
737	Regulatory targets of quorum sensing in <i>Vibrio cholerae</i> : evidence for two distinct HapR-binding motifs. <i>Nucleic Acids Research</i> , 2009, 37, 2747-2756.	6.5	83
738	LuxR-family σ -solos TM : bachelor sensors/regulators of signalling molecules. <i>Microbiology (United Kingdom)</i> , 2009, 155, 205-216.	0.7	205
739	Bacterial adhesion and marine fouling. , 2009, , 113-131.		11
740	The QseC Adrenergic Signaling Cascade in Enterohemorrhagic <i>E. coli</i> (EHEC). <i>PLoS Pathogens</i> , 2009, 5, e1000553.	2.1	191
741	The Quorum Sensing-Dependent Gene <i>katG</i> of <i>Burkholderia glumae</i> Is Important for Protection from Visible Light. <i>Journal of Bacteriology</i> , 2009, 191, 4152-4157.	1.0	46
742	Paracrine signaling in a bacterium. <i>Genes and Development</i> , 2009, 23, 1631-1638.	2.7	193
743	A novel plasmid for detection of N-acyl homoserine lactones. <i>Plasmid</i> , 2009, 62, 16-21.	0.4	12
746	Quorum Sensing and Quorum Quenching: The Yin and Yang of Bacterial Communication. <i>ChemBioChem</i> , 2009, 10, 205-216.	1.3	273
748	Microfluidic Confinement of Single Cells of Bacteria in Small Volumes Initiates High-Density Behavior of Quorum Sensing and Growth and Reveals Its Variability. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5908-5911.	7.2	282
749	A novel medium for the isolation of N-acylhomoserine lactone-degrading bacteria. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 247-251.	1.4	64
750	Single drop microextraction of homoserine lactones based quorum sensing signal molecules, and the separation of their enantiomers using gas chromatography mass spectrometry in the presence of biological matrices. <i>Mikrochimica Acta</i> , 2009, 166, 101-107.	2.5	22
751	Quorum quenching analysis in <i>Pseudomonas aeruginosa</i> and <i>Escherichia coli</i> : network topology and inhibition mechanism effect on the optimized inhibitor dose. <i>Bioprocess and Biosystems Engineering</i> , 2009, 32, 545-556.	1.7	14
752	Morphological evidence of biofilm formation in Greenlanders with chronic suppurative otitis media. <i>European Archives of Oto-Rhino-Laryngology</i> , 2009, 266, 1533-1538.	0.8	350
753	Molecular communication in the rhizosphere. <i>Plant and Soil</i> , 2009, 321, 279-303.	1.8	165
754	Characterization of LasR protein involved in bacterial quorum sensing mechanism of <i>Pseudomonas aeruginosa</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 146-154.	1.4	12

#	ARTICLE	IF	CITATIONS
755	Design principles of the bacterial quorum sensing gene networks. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2009, 1, 45-60.	6.6	31
756	Picking battles wisely: plant behaviour under competition. Plant, Cell and Environment, 2009, 32, 726-741.	2.8	222
757	Potential of bulb-associated bacteria for biocontrol of hyacinth soft rot caused by <i>Dickeya zeae</i> . Journal of Applied Microbiology, 2009, 106, 268-277.	1.4	26
758	Quieting cross talk – the quorum sensing regulator LsrR as a possible target for fighting bacterial infections. Cell Research, 2009, 19, 1229-1230.	5.7	7
759	Transition state analogs of 5-methylthioadenosine nucleosidase disrupt quorum sensing. Nature Chemical Biology, 2009, 5, 251-257.	3.9	149
760	Deciphering bacterial language. Nature Chemical Biology, 2009, 5, 870-871.	3.9	2
761	Genomic variations on a CoA biosynthetic theme. Nature Chemical Biology, 2009, 5, 871-872.	3.9	23
762	Consequences of relative cellular positioning on quorum sensing and bacterial cell-to-cell communication. FEMS Microbiology Letters, 2009, 292, 149-161.	0.7	59
763	Orphan LuxR regulators of quorum sensing. FEMS Microbiology Reviews, 2009, 33, 739-756.	3.9	153
764	Cooperation and conflict in host-microbe relations. Apmis, 2009, 117, 311-322.	0.9	12
765	Cell-cell signalling in bacteria: not simply a matter of quorum. FEMS Microbiology Ecology, 2009, 70, 1-19.	1.3	188
766	<i>Pseudomonas aeruginosa</i> quorum-sensing signal molecules interfere with dendritic cell-induced T-cell proliferation. FEMS Immunology and Medical Microbiology, 2009, 55, 335-345.	2.7	90
767	Inhibition of <i>Pseudomonas aeruginosa</i> quorum sensing by AI-2 analogs. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3941-3944.	1.0	53
768	Molecular Basis for the Recognition of Structurally Distinct Autoinducer Mimics by the <i>Pseudomonas aeruginosa</i> LasR Quorum-Sensing Signaling Receptor. Chemistry and Biology, 2009, 16, 961-970.	6.2	125
769	Mastering the Chemical Language of Bacteria. Chemistry and Biology, 2009, 16, 913-914.	6.2	5
770	Rapid isolation of novel FK506 binding proteins from multiple organisms using gDNA and cDNA T7 phage display. Bioorganic and Medicinal Chemistry, 2009, 17, 6841-6850.	1.4	14
771	Arginine-pyrimidine conjugates with therapeutic and prophylactic activity in lethal bacterial infections. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6317-6318.	1.0	3
772	Microbial quorum sensing: a tool or a target for antimicrobial therapy?. Biotechnology and Applied Biochemistry, 2009, 54, 65-84.	1.4	82

#	ARTICLE	IF	CITATIONS
774	Probing the Catalytic Mechanism of <i>S</i> -Ribosylhomocysteinase (LuxS) with Catalytic Intermediates and Substrate Analogues. <i>Journal of the American Chemical Society</i> , 2009, 131, 1243-1250.	6.6	40
775	Covalent Inhibition of Bacterial Quorum Sensing. <i>Journal of the American Chemical Society</i> , 2009, 131, 10610-10619.	6.6	172
776	Plasmid transfer systems in the rhizobia. <i>Canadian Journal of Microbiology</i> , 2009, 55, 917-927.	0.8	70
777	Who's the Boss? One-Way Conversations between Bacteria. <i>Developmental Cell</i> , 2009, 17, 155-156.	3.1	1
778	More than a signal: non-signaling properties of quorum sensing molecules. <i>Trends in Microbiology</i> , 2009, 17, 189-195.	3.5	123
779	Can filamentous fungi form biofilms?. <i>Trends in Microbiology</i> , 2009, 17, 475-480.	3.5	212
780	Inter-kingdom signaling: chemical language between bacteria and host. <i>Current Opinion in Microbiology</i> , 2009, 12, 192-198.	2.3	170
781	Exogenous <i>Yersinia pestis</i> quorum sensing molecules N-octanoyl-homoserine lactone and N-(3-oxooctanoyl)-homoserine lactone regulate the LcrV virulence factor. <i>Microbial Pathogenesis</i> , 2009, 46, 283-287.	1.3	15
782	A Quorum-Sensing Antagonist Targets Both Membrane-Bound and Cytoplasmic Receptors and Controls Bacterial Pathogenicity. <i>Molecular Cell</i> , 2009, 35, 143-153.	4.5	186
783	Intercellular communication in bacteria. <i>Critical Reviews in Microbiology</i> , 2009, 35, 69-80.	2.7	74
784	Revisiting AI-2 Quorum Sensing Inhibitors: Direct Comparison of Alkyl-DPD Analogues and a Natural Product Fimbroliide. <i>Journal of the American Chemical Society</i> , 2009, 131, 15584-15585.	6.6	69
785	Introduzione ai patogeni associati agli alimenti. <i>Food</i> , 2009, , 559-585.	0.0	0
786	Persistence Mechanisms of Conjugative Plasmids. <i>Methods in Molecular Biology</i> , 2009, 532, 73-102.	0.4	41
788	The Oral Microbiota: Living with a Permanent Guest. <i>DNA and Cell Biology</i> , 2009, 28, 405-411.	0.9	340
789	Jamming prokaryotic cell-to-cell communications in a model biofilm. <i>Lab on A Chip</i> , 2009, 9, 925-934.	3.1	31
790	The Science of Wound Bed Preparation. <i>Surgical Clinics of North America</i> , 2009, 89, 611-626.	0.5	91
791	General Model of Microbial Uncultivability. <i>Microbiology Monographs</i> , 2009, , 131-159.	0.3	19
792	Biological screening of a diverse set of AI-2 analogues in <i>Vibrio harveyi</i> suggests that receptors which are involved in synergistic agonism of AI-2 and analogues are promiscuous. <i>Chemical Communications</i> , 2009, , 7033.	2.2	45

#	ARTICLE	IF	CITATIONS
793	Identification and characterization of target genes of the GinI/GinR quorum-sensing system in <i>Gluconacetobacter intermedius</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 3021-3032.	0.7	19
794	Towards quorum-quenching catalytic antibodies. <i>Chemical Communications</i> , 2009, , 538-540.	2.2	39
795	Infections of Orthopaedic Implants and Devices. <i>Springer Series on Biofilms</i> , 2008, , 15-55.	0.0	12
796	Future research trends in the major chemical language of bacteria. <i>HFSP Journal</i> , 2009, 3, 105-116.	2.5	27
797	Reconfiguring the Quorum-Sensing Regulator SdiA of <i>Escherichia coli</i> To Control Biofilm Formation via Indole and <i>N</i> -Acylhomoserine Lactones. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1703-1716.	1.4	106
798	Sociobiology of the Myxobacteria. <i>Annual Review of Microbiology</i> , 2009, 63, 599-623.	2.9	224
799	Transcriptional control of the quorum sensing response in yeast. <i>Molecular BioSystems</i> , 2009, 6, 134-141.	2.9	55
800	Quorum-Sensing Inhibitors and Biofilms. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2009, 8, 315-326.	0.6	38
801	The Transcriptional Activator <i>rfiA</i> Is Quorum-Sensing Regulated by Cotranscription with the <i>luxI</i> Homolog <i>pcoI</i> and Is Essential for Plant Virulence in <i>Pseudomonas corrugata</i> . <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 1514-1522.	1.4	22
802	Microbial Colonization of Medical Devices and Novel Preventive Strategies. <i>Recent Patents on Drug Delivery and Formulation</i> , 2010, 4, 153-173.	2.1	14
803	Proteolytic control of expression of <i>Vibrio fischeri</i> lux-operon genes in <i>Escherichia coli</i> cells. <i>Russian Journal of Genetics</i> , 2010, 46, 932-937.	0.2	1
804	Determination of diketopiperazines of <i>Burkholderia cepacia</i> CF-66 by gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1773-1779.	1.9	30
805	Impact of linoleic acid supplementation on lovastatin production in <i>Aspergillus terreus</i> cultures. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 65-73.	1.7	45
806	Theoretical and structural analysis of the active site of the transcriptional regulators LasR and TraR, using molecular docking methodology for identifying potential analogues of acyl homoserine lactones (AHLs) with anti-quorum sensing activity. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 608-615.	2.6	35
807	Inhibitors of the <i>Pseudomonas aeruginosa</i> quorum-sensing regulator, QscR. <i>Biotechnology and Bioengineering</i> , 2010, 106, 119-126.	1.7	31
808	Testing the level of ant activity associated with quorum sensing: An empirical approach leading to the establishment and test of a null-model. <i>Journal of Theoretical Biology</i> , 2010, 266, 573-583.	0.8	9
809	Quorum sensing regulates electric current generation of <i>Pseudomonas aeruginosa</i> PA14 in bioelectrochemical systems. <i>Electrochemistry Communications</i> , 2010, 12, 459-462.	2.3	123
810	Enantioselective synthesis of (2 <i>S</i> ,3 <i>R</i> ,7 <i>Z</i>)- <i>N</i> -(3-hydroxy-7-tetradecenoyl)-homoserine lactone. <i>Tetrahedron Letters</i> , 2010, 51, 6500-6502.	0.7	22

#	ARTICLE	IF	CITATIONS
811	Autonomous induction of recombinant proteins by minimally rewiring native quorum sensing regulon of <i>E. coli</i> . <i>Metabolic Engineering</i> , 2010, 12, 291-297.	3.6	125
812	<i>Escherichia coli</i> autoinducer-2 uptake network does not display hysteretic behavior but AI-2 synthesis rate controls transient bifurcation. <i>BioSystems</i> , 2010, 99, 17-26.	0.9	12
813	Analysis of quorum sensing-dependent virulence factor production and its relationship with antimicrobial susceptibility in <i>Pseudomonas aeruginosa</i> respiratory isolates. <i>Clinical Microbiology and Infection</i> , 2010, 16, 1770-1775.	2.8	110
814	Effects of N-acyl homoserine lactone analogues on <i>Porphyromonas gingivalis</i> biofilm formation. <i>Journal of Periodontal Research</i> , 2010, 45, 255-261.	1.4	32
815	Dynamic regulation of N-acyl-homoserine lactone production and degradation in <i>Pseudomonas putida</i> IsoF. <i>FEMS Microbiology Ecology</i> , 2010, 72, 22-34.	1.3	81
816	Cell-to-cell communication in the populations of enterobacterium <i>Erwinia carotovora</i> ssp. <i>atroseptica</i> SCRI1043 during adaptation to stress conditions. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 59, 378-385.	2.7	15
817	Extracellular signals that define distinct and coexisting cell fates in <i>Bacillus subtilis</i> . <i>FEMS Microbiology Reviews</i> , 2010, 34, 134-149.	3.9	239
818	Indole as an intercellular signal in microbial communities. <i>FEMS Microbiology Reviews</i> , 2010, 34, 426-444.	3.9	734
819	A path from predation to mutualism. <i>Molecular Microbiology</i> , 2010, 77, 1346-1350.	1.2	0
820	Contribution of quorum-sensing system to hexadecane degradation and biofilm formation in <i>Acinetobacter</i> sp. strain DR1. <i>Journal of Applied Microbiology</i> , 2010, 109, no-no.	1.4	73
821	The C-terminal domain of the <i>Vibrio fischeri</i> transcription activator LuxR is not essential for degradation by Lon protease. <i>Molecular Biology</i> , 2010, 44, 454-457.	0.4	6
822	Confinement-induced quorum sensing of individual <i>Staphylococcus aureus</i> bacteria. <i>Nature Chemical Biology</i> , 2010, 6, 41-45.	3.9	189
823	Engineered biological nanofactories trigger quorum sensing response in targeted bacteria. <i>Nature Nanotechnology</i> , 2010, 5, 213-217.	15.6	86
824	In vitro screens for quorum sensing inhibitors and in vivo confirmation of their effect. <i>Nature Protocols</i> , 2010, 5, 282-293.	5.5	72
825	Anti-virulence strategies to combat bacteria-mediated disease. <i>Nature Reviews Drug Discovery</i> , 2010, 9, 117-128.	21.5	1,098
826	Social behaviour in microorganisms. , 2010, , 331-356.		18
827	<i>E. coli</i> K-12 and EHEC Genes Regulated by SdiA. <i>PLoS ONE</i> , 2010, 5, e8946.	1.1	69
828	ã,°ãf ©ãfé™1/2æ€šç°è€Æã®ã,ã,ããf ©ãfã,»ãf³ã,ãf³ã,°ç”ç ©¶ã®æœ€ã%œç.š. <i>Japanese Journal of Lactic Acid Bacteriology</i> , 2010, 21, 95-106.		

#	ARTICLE	IF	CITATIONS
829	Detection of Quorum Sensing Signals in Gram-Negative Bacteria by Using Reporter Strain CV026. <i>Notulae Scientia Biologicae</i> , 2010, 2, 72-75.	0.1	5
830	Evaluation of the effects of <i>sdiA</i> , a <i>luxR</i> homologue, on adherence and motility of <i>Escherichia coli</i> O157:H7. <i>Microbiology (United Kingdom)</i> , 2010, 156, 1303-1312.	0.7	49
831	Commonalities and Differences in Regulation of <i>N</i> -Acyl Homoserine Lactone Quorum Sensing in the Beneficial Plant-Associated <i>Burkholderia</i> Species Cluster. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4302-4317.	1.4	55
832	Bi-directional pheromone communication between robots. <i>Robotica</i> , 2010, 28, 69-79.	1.3	74
833	The N-Terminal Domain of <i>Aliivibrio fischeri</i> LuxR Is a Target of the GroEL Chaperonin. <i>Journal of Bacteriology</i> , 2010, 192, 5549-5551.	1.0	12
834	A unique regulator controls the activation threshold of quorum-regulated genes in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7916-7921.	3.3	98
835	LuxR homolog-independent gene regulation by acyl-homoserine lactones in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10673-10678.	3.3	56
836	Crystal Structure of the Peptidase Domain of <i>Streptococcus ComA</i> , a Bifunctional ATP-binding Cassette Transporter Involved in the Quorum-sensing Pathway. <i>Journal of Biological Chemistry</i> , 2010, 285, 10777-10785.	1.6	49
837	Synthetic Biology: Tools to Design, Build, and Optimize Cellular Processes. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-12.	3.0	54
838	The Inhibitory Effects of Catechins on Biofilm Formation by the Periodontopathogenic Bacterium, <i>Eikenella corrodens</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 2445-2450.	0.6	46
839	<i>Staphylococcus aureus</i> AI-2 Quorum Sensing Associates with the KdpDE Two-Component System To Regulate Capsular Polysaccharide Synthesis and Virulence. <i>Infection and Immunity</i> , 2010, 78, 3506-3515.	1.0	125
840	Small Molecules That Modulate Quorum Sensing and Control Virulence in <i>Pseudomonas aeruginosa</i> . <i>Journal of Organic Chemistry</i> , 2010, 75, 6737-6746.	1.7	103
841	Cross Species Quorum Quenching Using a Native AI-2 Processing Enzyme. <i>ACS Chemical Biology</i> , 2010, 5, 223-232.	1.6	103
842	Density dependent expression of a diatom retrotransposon. <i>Marine Genomics</i> , 2010, 3, 145-150.	0.4	9
843	Biological Nanofactories Target and Activate Epithelial Cell Surfaces for Modulating Bacterial Quorum Sensing and Interspecies Signaling. <i>ACS Nano</i> , 2010, 4, 6923-6931.	7.3	21
844	Synthetic Analogs Tailor Native AI-2 Signaling Across Bacterial Species. <i>Journal of the American Chemical Society</i> , 2010, 132, 11141-11150.	6.6	66
845	Multicellular signalling and growth of <i>Pseudomonas aeruginosa</i> . <i>International Journal of Medical Microbiology</i> , 2010, 300, 544-548.	1.5	37
846	Interception of quorum sensing signal molecule by furanone to enhance shelf life of fermented milk. <i>Food Control</i> , 2010, 21, 61-69.	2.8	16

#	ARTICLE	IF	CITATIONS
847	The diffuse chemosensory system: Exploring the iceberg toward the definition of functional roles. <i>Progress in Neurobiology</i> , 2010, 91, 77-89.	2.8	36
848	What's in a name? The semantics of quorum sensing. <i>Trends in Microbiology</i> , 2010, 18, 383-387.	3.5	105
849	Cell-to-Cell Communications among Microorganisms. , 2010, , 283-337.		17
850	Quorum sensing in bacterial virulence. <i>Microbiology (United Kingdom)</i> , 2010, 156, 2271-2282.	0.7	443
851	Chapter 3. Progress and Perspectives on Bioluminescence: from Luminous Organisms to Molecular Mechanisms. , 2010, , 91-112.		0
852	Medicinal Chemistry as a Conduit for the Modulation of Quorum Sensing. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7467-7489.	2.9	58
853	Rhamnolipids. , 2010, , 3037-3051.		4
854	Quorum sensing: implications on Rhamnolipid biosurfactant production. <i>Biotechnology and Genetic Engineering Reviews</i> , 2010, 27, 159-184.	2.4	131
855	Global Analysis of Quorum Sensing Targets in the Intracellular Pathogen <i>Brucella melitensis</i> 16 M. <i>Journal of Proteome Research</i> , 2010, 9, 3200-3217.	1.8	70
856	Biofilms. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a000398-a000398.	2.3	672
857	Biological nanofactories facilitate spatially selective capture and manipulation of quorum sensing bacteria in a bioMEMS device. <i>Lab on A Chip</i> , 2010, 10, 1128.	3.1	35
858	Synthesis of Microbial Signaling Molecules and Their Stereochemistry-Activity Relationships. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1418-1429.	0.6	8
859	Live Cell Labeling of Native Intracellular Bacterial Receptors Using Aniline-Catalyzed Oxime Ligation. <i>Journal of the American Chemical Society</i> , 2011, 133, 7469-7475.	6.6	63
860	Phenolic Composition and Antimicrobial and Antiquorum Sensing Activity of an Ethanolic Extract of Peels from the Apple Cultivar Annurca. <i>Journal of Medicinal Food</i> , 2011, 14, 957-963.	0.8	52
861	Electrochemical Detection of Quorum Sensing Signaling Molecules by Dual Signal Confirmation at Microelectrode Arrays. <i>Analytical Chemistry</i> , 2011, 83, 2097-2103.	3.2	22
862	Ion Translocation in Artificial Molecule-based Systems Induced by Light, Electrons, or Chemicals. <i>Australian Journal of Chemistry</i> , 2011, 64, 1301.	0.5	10
863	Effects on Membrane Lateral Pressure Suggest Permeation Mechanisms for Bacterial Quorum Signaling Molecules. <i>Biochemistry</i> , 2011, 50, 6983-6993.	1.2	41
864	Probing Autoinducer-2 Based Quorum Sensing: The Biological Consequences of Molecules Unable To Traverse Equilibrium States. <i>Journal of Organic Chemistry</i> , 2011, 76, 6981-6989.	1.7	23

#	ARTICLE	IF	CITATIONS
865	Post-Translational Isoprenylation of Tryptophan. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1413-1417.	0.6	21
866	Microwave and flow syntheses of <i>Pseudomonas</i> quinolone signal (PQS) and analogues. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 57-61.	1.5	48
867	Understanding Bacterial Cell-Cell Communication with Computational Modeling. <i>Chemical Reviews</i> , 2011, 111, 238-250.	23.0	40
868	Rhamnolipids: Detection, Analysis, Biosynthesis, Genetic Regulation, and Bioengineering of Production. <i>Microbiology Monographs</i> , 2011, , 13-55.	0.3	72
869	Biocontrol Mechanisms Employed by PGPR and Strategies of Microbial Antagonists in Disease Control on the Postharvest Environment of Fruits. , 2011, , 131-163.		4
870	Bacterial Quorum Sensing and Its Interference: Methods and Significance. , 2011, , 127-161.		2
871	Quorum Sensing between <i>Pseudomonas aeruginosa</i> Biofilms Accelerates Cell Growth. <i>Journal of the American Chemical Society</i> , 2011, 133, 5966-5975.	6.6	73
872	Biofilm Infections. , 2011, , .		37
873	Bacteria in Agrobiolgy: Crop Ecosystems. , 2011, , .		35
874	Biosurfactants. <i>Microbiology Monographs</i> , 2011, , .	0.3	51
875	proTeOn and proTeOff, New Protein Devices That Inducibly Activate Bacterial Gene Expression. <i>ACS Chemical Biology</i> , 2011, 6, 1107-1116.	1.6	19
876	Microbes and Microbial Technology. , 2011, , .		50
877	Chemical Challenges to Bacterial AHL Signaling in the Environment. <i>Chemical Reviews</i> , 2011, 111, 86-99.	23.0	112
878	Quenching the quorum sensing system: potential antibacterial drug targets. <i>Critical Reviews in Microbiology</i> , 2011, 37, 121-140.	2.7	282
879	The metabolic basis of <i>Candida albicans</i> morphogenesis and quorum sensing. <i>Fungal Genetics and Biology</i> , 2011, 48, 747-763.	0.9	141
880	Microbe-Plant Biocommunication. <i>Soil Biology</i> , 2011, , 439-464.	0.6	4
881	Quorum Sensing in Gram-Negative Bacteria: Small-Molecule Modulation of AHL and AI-2 Quorum Sensing Pathways. <i>Chemical Reviews</i> , 2011, 111, 28-67.	23.0	549
882	Streptolysin S-like virulence factors: the continuing saga. <i>Nature Reviews Microbiology</i> , 2011, 9, 670-681.	13.6	140

#	ARTICLE	IF	CITATIONS
883	Isolation and identification of quorum quenching bacteria from environmental samples. <i>Journal of Microbiological Methods</i> , 2011, 87, 213-219.	0.7	79
884	Structural Basis of Acyl-homoserine Lactone-Dependent Signaling. <i>Chemical Reviews</i> , 2011, 111, 68-85.	23.0	198
885	Quasispecies as a matter of fact: Viruses and beyond. <i>Virus Research</i> , 2011, 162, 203-215.	1.1	65
886	Nodulation-gene-inducing flavonoids increase overall production of autoinducers and expression of N-acyl homoserine lactone synthesis genes in rhizobia. <i>Research in Microbiology</i> , 2011, 162, 715-723.	1.0	58
887	Listening to a New Language: DSF-Based Quorum Sensing in Gram-Negative Bacteria. <i>Chemical Reviews</i> , 2011, 111, 160-173.	23.0	214
888	Inactivation of AHLs by <i>Ochrobactrum</i> sp. A44 depends on the activity of a novel class of AHL acylase. <i>Environmental Microbiology Reports</i> , 2011, 3, 59-68.	1.0	65
889	Synthesis and biological activity of 2-aminoimidazole triazoles accessed by Suzuki-Miyaura cross-coupling. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3041.	1.5	39
890	Bio-Inspired Synchronization for Nanocommunication Networks. , 2011, , .		52
891	Biocircuit design through engineering bacterial logic gates. <i>Natural Computing</i> , 2011, 10, 119-127.	1.8	23
892	The geranyl-modified tryptophan residue is crucial for ComX RO-E-2 pheromone biological activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4041-4044.	1.0	20
893	Molecular Screening of Anti-quorum Sensing Capability of <i>Salvadora Persica</i> on <i>Enterococcus Faecalis</i> . <i>Journal of Hard Tissue Biology</i> , 2011, 20, 115-124.	0.2	10
894	Chemical signaling in the gastrointestinal tract. <i>F1000 Biology Reports</i> , 2011, 3, 4.	4.0	11
895	Posttranslational Isoprenylation of Tryptophan Residues in <i>Bacillus subtilis</i> . <i>The Enzymes</i> , 2011, , 183-194.	0.7	1
896	Comparative analysis of two component signal transduction systems of the <i>Lactobacillus acidophilus</i> group. <i>Brazilian Journal of Microbiology</i> , 2011, 42, 147-157.	0.8	5
897	Genetic and Functional Diversity of <i>Pseudomonas aeruginosa</i> Lipopolysaccharide. <i>Frontiers in Microbiology</i> , 2011, 2, 118.	1.5	217
898	Rumor Has It: Relay Communication of Stress Cues in Plants. <i>PLoS ONE</i> , 2011, 6, e23625.	1.1	58
899	MexEF-OprN Efflux Pump Exports the <i>Pseudomonas</i> Quinolone Signal (PQS) Precursor HHQ (4-hydroxy-2-heptylquinoline). <i>PLoS ONE</i> , 2011, 6, e24310.	1.1	118
900	Uneven distribution of the <i>luxS</i> gene within the genus <i>Campylobacter</i> . <i>British Journal of Biomedical Science</i> , 2011, 68, 19-22.	1.2	8

#	ARTICLE	IF	CITATIONS
901	Isolation and characterization of new potential probiotic bacteria based on quorum-sensing system. <i>Journal of Applied Microbiology</i> , 2011, 110, 202-208.	1.4	64
902	Saturation mutagenesis of a CepR binding site as a means to identify new quorum-regulated promoters in <i>Burkholderia cenocepacia</i> . <i>Molecular Microbiology</i> , 2011, 79, 616-632.	1.2	14
903	The quorum-sensing hindered transcription factor YenR of <i>Yersinia enterocolitica</i> inhibits pheromone production and promotes motility via a small non-coding RNA. <i>Molecular Microbiology</i> , 2011, 80, 556-571.	1.2	22
904	Anti-activator QslA defines the quorum sensing threshold and response in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2011, 80, 951-965.	1.2	53
905	The virtue of temperance: built-in negative regulators of quorum sensing in <i>Pseudomonas</i> . <i>Molecular Microbiology</i> , 2011, 82, 1060-1070.	1.2	35
906	LIPOXYGENASE PRODUCTS IN MARINE DIATOMS: A CONCISE ANALYTICAL METHOD TO EXPLORE THE FUNCTIONAL POTENTIAL OF OXYLIPINS1. <i>Journal of Phycology</i> , 2011, 47, 233-243.	1.0	48
907	Quorum sensing N-acylhomoserine lactone signals affect nitrogen fixation in the cyanobacterium <i>Anabaena</i> sp. PCC7120. <i>FEMS Microbiology Letters</i> , 2011, 315, 101-108.	0.7	28
908	Quorum-sensing autoinducer molecules produced by members of a multispecies biofilm promote horizontal gene transfer to <i>Vibrio cholerae</i> . <i>FEMS Microbiology Letters</i> , 2011, 322, 68-76.	0.7	95
909	Quorum quenching in cultivable bacteria from dense marine coastal microbial communities. <i>FEMS Microbiology Ecology</i> , 2011, 75, 205-217.	1.3	121
910	The sociobiology of molecular systems. <i>Nature Reviews Genetics</i> , 2011, 12, 193-203.	7.7	65
911	Diversity and functional analysis of <i>luxS</i> genes in <i>Vibrios</i> from marine sponges <i>Mycale laxissima</i> and <i>Ircinia strobilina</i> . <i>ISME Journal</i> , 2011, 5, 1505-1516.	4.4	27
912	Regulating the quorum sensing signalling circuit to control bacterial virulence: in silico analysis. <i>IET Systems Biology</i> , 2011, 5, 103-109.	0.8	9
913	Quorum sensing in biofilms – How to destroy the bacterial citadels or their cohesion/power?. <i>Anaerobe</i> , 2011, 17, 280-285.	1.0	192
914	Selective Overproduction of the Proteasome Inhibitor Salinosporamide A via Precursor Pathway Regulation. <i>Chemistry and Biology</i> , 2011, 18, 1527-1536.	6.2	37
915	Biofabrication of chitosan-silver composite SERS substrates enabling quantification of adenine by a spectroscopic shift. <i>Biofabrication</i> , 2011, 3, 034108.	3.7	12
916	Malabaricone C from <i>Myristica cinnamomea</i> Exhibits Anti-Quorum Sensing Activity. <i>Journal of Natural Products</i> , 2011, 74, 2261-2264.	1.5	140
917	Trial of Garlic as an Adjunct Therapy for Multidrug Resistant <i>Pseudomonas aeruginosa</i> Pneumonia in a Critically Ill Infant. <i>Journal of Alternative and Complementary Medicine</i> , 2011, 17, 379-380.	2.1	4
918	Different aspects of bacterial communication signals. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1267-1280.	1.7	9

#	ARTICLE	IF	CITATIONS
919	The role of a periplasmic gluconolactonase (PpgL)-like protein in <i>Pseudomonas syringae</i> pv. <i>syringae</i> B728a. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1303-1311.	1.7	5
920	<i>Pichia anomala</i> in grain biopreservation. <i>Antonie Van Leeuwenhoek</i> , 2011, 99, 57-62.	0.7	32
921	Mupirocin: biosynthesis, special features and applications of an antibiotic from a Gram-negative bacterium. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 11-21.	1.7	49
922	Long-chain acylhomoserine lactones increase the anoxic ammonium oxidation rate in an OLAND biofilm. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1511-1519.	1.7	80
923	A case study on chemical defense based on quorum sensing: antibacterial activity of sponge-associated bacterium <i>Pseudoalteromonas</i> sp. NJ6-3-1 induced by quorum sensing mechanisms. <i>Annals of Microbiology</i> , 2011, 61, 247-255.	1.1	28
924	Identification of unsaturated <i>N</i> -acylhomoserine lactones in bacterial isolates of <i>Rhodobacter sphaeroides</i> by liquid chromatography coupled to electrospray ionization-hybrid linear ion trap-Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1817-1826.	0.7	16
925	Novel and Efficient Copper-Catalysed Synthesis of Nitrogen-Linked Medium-Ring Biaryls. <i>Chemistry - A European Journal</i> , 2011, 17, 2981-2986.	1.7	19
926	Model for a population-based microbial oscillator. <i>BioSystems</i> , 2011, 105, 286-294.	0.9	7
927	Developing next generation antimicrobials by intercepting AI-2 mediated quorum sensing. <i>Enzyme and Microbial Technology</i> , 2011, 49, 113-123.	1.6	104
928	Automata modeling of Quorum Sensing for nanocommunication networks. <i>Nano Communication Networks</i> , 2011, 2, 74-83.	1.6	52
929	Computational modeling of differences in the quorum sensing induced luminescence phenotypes of <i>Vibrio harveyi</i> and <i>Vibrio cholerae</i> . <i>Journal of Theoretical Biology</i> , 2011, 274, 145-153.	0.8	5
930	Synthesis of new aryl substituted furan-2(5H)-ones using the Suzuki-Miyaura reaction. <i>Tetrahedron</i> , 2011, 67, 3010-3016.	1.0	11
931	Robust routes for the synthesis of <i>N</i> -acylated-L-homoserine lactone (AHL) quorum sensing molecules with high levels of enantiomeric purity. <i>Tetrahedron Letters</i> , 2011, 52, 3291-3294.	0.7	30
932	Bacterial interactions in dental biofilm. <i>Virulence</i> , 2011, 2, 435-444.	1.8	309
933	Isolation and Characterization of <i>N</i> -Acylhomoserine Lactonase from the Thermophilic Bacterium, <i>Geobacillus caldxylosilyticus</i> YS-8. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1789-1795.	0.6	28
934	Orthopaedic biofilm infections. <i>Current Orthopaedic Practice</i> , 2011, 22, 558-563.	0.1	133
935	A nucleoside kinase as a dual selector for genetic switches and circuits. <i>Nucleic Acids Research</i> , 2011, 39, e12-e12.	6.5	39
936	Extracellular signal regulation of cell differentiation in biofilms. <i>MRS Bulletin</i> , 2011, 36, 374-379.	1.7	19

#	ARTICLE	IF	CITATIONS
937	Evidence of Autoinduction Heterogeneity via Expression of the Agr System of <i>Listeria monocytogenes</i> at the Single-Cell Level. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6286-6289.	1.4	46
938	The interaction between a non-pathogenic and a pathogenic strain synergistically enhances extra-intestinal virulence in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 774-785.	0.7	11
939	N-Octanoylhomoserine lactone signalling mediated by the BpsI/BpsR quorum sensing system plays a major role in biofilm formation of <i>Burkholderia pseudomallei</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 1176-1186.	0.7	47
940	Crystal structure of QscR, a <i>Pseudomonas aeruginosa</i> quorum sensing signal receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15763-15768.	3.3	108
941	Structural Basis for Ligand Recognition and Discrimination of a Quorum-quenching Antibody. <i>Journal of Biological Chemistry</i> , 2011, 286, 17351-17358.	1.6	50
942	Interspecies interactions that result in <i>Bacillus subtilis</i> forming biofilms are mediated mainly by members of its own genus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E1236-43.	3.3	94
943	The hanR/hanI quorum-sensing system of <i>Halomonas anticariensis</i> , a moderately halophilic bacterium. <i>Microbiology (United Kingdom)</i> , 2011, 157, 3378-3387.	0.7	22
944	Discovery of a biofilm electrocline using real-time 3D metabolite analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19996-20001.	3.3	107
945	On-Chip Cellomics Assay Enabling Algebraic and Geometric Understanding of Epigenetic Information in Cellular Networks of Living Systems. 1. Temporal Aspects of Epigenetic Information in Bacteria. <i>Sensors</i> , 2012, 12, 7169-7206.	2.1	0
946	A Pro-Drug Approach for Selective Modulation of AI-2-Mediated Bacterial Cell-to-Cell Communication. <i>Sensors</i> , 2012, 12, 3762-3772.	2.1	20
947	Quorum Quenching Revisited—From Signal Decays to Signalling Confusion. <i>Sensors</i> , 2012, 12, 4661-4696.	2.1	140
948	The Evolution of Cell-to-Cell Communication in a Sporulating Bacterium. <i>PLoS Computational Biology</i> , 2012, 8, e1002818.	1.5	23
949	N-Acyl Homoserine Lactones in Diverse Pectobacterium and <i>Dickeya</i> Plant Pathogens: Diversity, Abundance, and Involvement in Virulence. <i>Sensors</i> , 2012, 12, 3484-3497.	2.1	42
950	18 Fungal and Bacterial Volatile Organic Compounds: An Overview and Their Role as Ecological Signaling Agents. , 2012, , 373-393.		43
951	Inhibition of Quorum Sensing-Controlled Virulence Factor Production in <i>Pseudomonas aeruginosa</i> PAO1 by Ayurveda Spice Clove (<i>Syzygium Aromaticum</i>) Bud Extract. <i>Sensors</i> , 2012, 12, 4016-4030.	2.1	151
952	The Acyl Homoserine Lactone Receptor, SdiA, of <i>Escherichia coli</i> and <i>Salmonella enterica</i> Serovar Typhimurium Does Not Respond to Indole. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5424-5431.	1.4	50
953	Synthesis and Biological Activities of Some 1,3-Benzoxazol-2(3H)-One Derivatives as Anti-Quorum Sensing Agents. <i>Arzneimittelforschung</i> , 2012, 62, 330-334.	0.5	11
954	Recent Progresses on AI-2 Bacterial Quorum Sensing Inhibitors. <i>Current Medicinal Chemistry</i> , 2012, 19, 174-186.	1.2	32

#	ARTICLE	IF	CITATIONS
955	<i>Vibrio fischeri</i> Metabolism. <i>Advances in Microbial Physiology</i> , 2012, 61, 37-68.	1.0	27
956	Bacterial aggregation and biofilm formation in a vortical flow. <i>Biomicrofluidics</i> , 2012, 6, 44114.	1.2	79
957	Quorum Sensing-enabled amplification for molecular nanonetworks. , 2012, , .		10
958	Density-dependent fitness benefits in quorum-sensing bacterial populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8259-8263.	3.3	269
959	Divergence and Convergence in Enzyme Evolution: Parallel Evolution of Paraoxonases from Quorum-quenching Lactonases. <i>Journal of Biological Chemistry</i> , 2012, 287, 11-20.	1.6	114
960	Lethality and cooperation of <i>Pseudomonas aeruginosa</i> quorum-sensing mutants in <i>Drosophila melanogaster</i> infection models. <i>Microbiology (United Kingdom)</i> , 2012, 158, 2125-2132.	0.7	22
961	Molecular Basis of Tobacco-Induced Bacterial Biofilms. <i>Otolaryngology - Head and Neck Surgery</i> , 2012, 147, 876-884.	1.1	18
962	Detecting the Molecular Signature of Social Conflict: Theory and a Test with Bacterial Quorum Sensing Genes. <i>American Naturalist</i> , 2012, 179, 436-450.	1.0	28
963	AHL Signals Induce Rubrifacine Production in a <i>brul</i> Mutant of <i>Brenneria rubrifaciens</i> . <i>Phytopathology</i> , 2012, 102, 195-203.	1.1	1
964	The AHL- and BDSF-Dependent Quorum Sensing Systems Control Specific and Overlapping Sets of Genes in <i>Burkholderia cenocepacia</i> H111. <i>PLoS ONE</i> , 2012, 7, e49966.	1.1	70
965	Phylogenetically Novel LuxI/LuxR-Type Quorum Sensing Systems Isolated Using a Metagenomic Approach. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8067-8074.	1.4	51
966	Inhibition of the production of the <i>Pseudomonas aeruginosa</i> virulence factor pyocyanin in wild-type cells by quorum sensing autoinducer-mimics. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8452.	1.5	70
967	Classifying the Topology of AHL-Driven Quorum Sensing Circuits in Proteobacterial Genomes. <i>Sensors</i> , 2012, 12, 5432-5444.	2.1	34
968	Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> by sesquiterpene lactones. <i>Phytomedicine</i> , 2012, 19, 1173-1177.	2.3	65
969	N-acyl homoserine lactone production by bacteria within the sponge <i>Suberites domuncula</i> (Olivi, 1792) (Porifera, Demospongiae). <i>Marine Biology</i> , 2012, 159, 1685-1692.	0.7	21
970	Bacterial Communication and Human Communication: What Can We Learn From Quorum Sensing?. <i>Archivos De Bronconeumologia</i> , 2012, 48, 305-307.	0.4	0
971	Comunicación bacteriana y comunicación humana: ¿qué podemos aprender del «quorum sensing»? <i>Archivos De Bronconeumologia</i> , 2012, 48, 305-307.	0.4	1
972	Effect of furanone on experimentally induced <i>Pseudomonas aeruginosa</i> biofilm formation: In vitro study. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2012, 76, 1575-1578.	0.4	16

#	ARTICLE	IF	CITATIONS
973	N-acyl-homoserine-lactone quorum sensing in tomato phytopathogenic <i>Pseudomonas</i> spp. is involved in the regulation of lipodepsipeptide production. <i>Journal of Biotechnology</i> , 2012, 159, 274-282.	1.9	41
974	A novel particle swarm optimization based on bacteria quorum sensing mechanism. , 2012, , .		1
975	Biochemical Characteristics and Biological Properties of Annurca Apple Cider. <i>Journal of Medicinal Food</i> , 2012, 15, 18-23.	0.8	23
976	Efficient Biostimulation of Native and Introduced Quorum-Quenching <i>Rhodococcus erythropolis</i> Populations Is Revealed by a Combination of Analytical Chemistry, Microbiology, and Pyrosequencing. <i>Applied and Environmental Microbiology</i> , 2012, 78, 481-492.	1.4	67
977	Kin selection, quorum sensing and virulence in pathogenic bacteria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3584-3588.	1.2	73
978	Food as a Source for Quorum Sensing Inhibitors: Iberin from Horseradish Revealed as a Quorum Sensing Inhibitor of <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 2410-2421.	1.4	180
979	Evolution of virulence in opportunistic pathogens: generalism, plasticity, and control. <i>Trends in Microbiology</i> , 2012, 20, 336-342.	3.5	321
980	Impacts of Quorum Sensing on Microbial Metabolism and Human Health. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2012, 131, 25-61.	0.6	28
981	Acyl-homoserine lactone-dependent eavesdropping promotes competition in a laboratory co-culture model. <i>ISME Journal</i> , 2012, 6, 2219-2228.	4.4	83
982	AiiA Quorum-Sensing Quenching Controls Proteolytic Activity and Biofilm Formation by <i>Enterobacter cloacae</i> . <i>Current Microbiology</i> , 2012, 65, 758-763.	1.0	21
983	Ajoene, a Sulfur-Rich Molecule from Garlic, Inhibits Genes Controlled by Quorum Sensing. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2314-2325.	1.4	383
984	Bacterial Quorum Sensing and Metabolic Incentives to Cooperate. <i>Science</i> , 2012, 338, 264-266.	6.0	304
985	Semi-synthetic minimal cells as a tool for biochemical ICT. <i>BioSystems</i> , 2012, 109, 24-34.	0.9	56
986	The putative sensor kinase QseC of <i>Salmonella enterica</i> serovar Typhi can promote invasion in the presence of glucose. <i>Food Research International</i> , 2012, 45, 1004-1010.	2.9	4
987	Antibiofilm and quorum sensing inhibitory potential of <i>Cuminum cyminum</i> and its secondary metabolite methyl eugenol against Gram negative bacterial pathogens. <i>Food Research International</i> , 2012, 45, 85-92.	2.9	272
988	LitR of <i>Vibrio salmonicida</i> Is a Salinity-Sensitive Quorum-Sensing Regulator of Phenotypes Involved in Host Interactions and Virulence. <i>Infection and Immunity</i> , 2012, 80, 1681-1689.	1.0	37
989	Quorum sensing: How bacteria can coordinate activity and synchronize their response to external signals?. <i>Protein Science</i> , 2012, 21, 1403-1417.	3.1	164
990	Quorum sensing in the probiotic bacterium <i>Escherichia coli</i> Nissle 1917 (Mutaflor) – evidence that furanosyl borate diester (AI-2) is influencing the cytokine expression in the DSS colitis mouse model. <i>Cut Pathogens</i> , 2012, 4, 8.	1.6	30

#	ARTICLE	IF	CITATIONS
991	Marine Microorganisms: perspectives for getting involved in cellulosic ethanol. <i>AMB Express</i> , 2012, 2, 46.	1.4	9
993	Design, synthesis and biological evaluation of non-natural modulators of quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6032.	1.5	68
994	Regulation of Endocytic Clathrin Dynamics by Cargo Ubiquitination. <i>Developmental Cell</i> , 2012, 23, 519-532.	3.1	99
995	Applications of small molecule activators and inhibitors of quorum sensing in Gram-negative bacteria. <i>Trends in Microbiology</i> , 2012, 20, 449-458.	3.5	187
996	Regulation of Antibiotics Production in Biocontrol Strains of <i>Pseudomonas</i> spp., 2012, , 197-225.		1
997	Thoughts on Quorum Sensing and Fungal Dimorphism. , 2012, , 189-204.		5
998	Monitoring Bacterial Twitter: Does Quorum Sensing Determine the Behavior of Water and Wastewater Treatment Biofilms?. <i>Environmental Science & Technology</i> , 2012, 46, 1995-2005.	4.6	257
999	Detection of Quorum Sensing Signal Molecules in <i>Edwardsiella ictaluri</i> Ei-151. <i>Indian Journal of Microbiology</i> , 2012, 52, 581-586.	1.5	6
1000	Characterization of a new ScbR-like β -butyrolactone binding regulator (SlbR) in <i>Streptomyces coelicolor</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 113-121.	1.7	19
1001	Quorum Sensing Inhibition in <i>Pseudomonas aeruginosa</i> PAO1 by Antagonistic Compound Phenylacetic Acid. <i>Current Microbiology</i> , 2012, 65, 475-480.	1.0	64
1002	Dynamics of AHL mediated quorum sensing under flow and non-flow conditions. <i>Physical Biology</i> , 2012, 9, 026007.	0.8	36
1003	Quorum Quenching <i>Bacillus sonorensis</i> Isolated from Soya Sauce Fermentation Brine. <i>Sensors</i> , 2012, 12, 4065-4073.	2.1	27
1004	Bacterial microsystems and microrobots. <i>Biomedical Microdevices</i> , 2012, 14, 1033-1045.	1.4	108
1005	Quorum-sensing regulates biofilm formation in <i>Vibrio scopthalmi</i> . <i>BMC Microbiology</i> , 2012, 12, 287.	1.3	24
1006	Biocommunication of Fungi. , 2012, , .		22
1007	Quorum Sensing Signaling Molecules Produced by Reference and Emerging Soft-Rot Bacteria (<i>Dickeya</i>) Tj ETQq1 1 0,784314,rgBT /Over 1.1 54		
1008	QsdH, a Novel AHL Lactonase in the RND-Type Inner Membrane of Marine <i>Pseudoalteromonas byunsanensis</i> Strain 1A01261. <i>PLoS ONE</i> , 2012, 7, e46587.	1.1	40
1009	Dissection of Quorum-Sensing Genes in <i>Burkholderia glumae</i> Reveals Non-Canonical Regulation and the New Regulatory Gene <i>tofM</i> for Toxoflavin Production. <i>PLoS ONE</i> , 2012, 7, e52150.	1.1	44

#	ARTICLE	IF	CITATIONS
1010	Inhibitory Effects of Quorum Sensing in <i>Serratia marcescens</i> AS-1 by Electrospun Polyvinyl Alcohol Fibers Immobilized with Cyclodextrin. Transactions of the Materials Research Society of Japan, 2012, 37, 593-596.	0.2	5
1011	Patents on Quorum Quenching: Interfering with Bacterial Communication as a Strategy to Fight Infections. Recent Patents on Biotechnology, 2012, 6, 2-12.	0.4	68
1012	Spatial Heterogeneity of Autoinducer Regulation Systems. Sensors, 2012, 12, 4156-4171.	2.1	32
1013	Shiga toxin in enterohemorrhagic E.coli: regulation and novel anti-virulence strategies. Frontiers in Cellular and Infection Microbiology, 2012, 2, 81.	1.8	126
1014	ORTHOPAEDIC AND BIOFILM. WHAT WE KNOW? A REVIEW.. Medical Science Monitor, 2012, 18, RA89-RA96.	0.5	33
1015	Basic cell biology. , 0, , 75-98.		1
1016	TascoÂ®: A Product of Ascophyllum nodosum Enhances Immune Response of Caenorhabditis elegans Against Pseudomonas aeruginosa Infection. Marine Drugs, 2012, 10, 84-105.	2.2	33
1017	Microbial Dynamics and Caries: The Role of Antimicrobials. , 0, , .		0
1018	Extracellular Matrix (ECM). , 2012, , 461-480.		26
1019	Microbial chemical signaling: a current perspective. Critical Reviews in Microbiology, 2012, 38, 217-249.	2.7	93
1020	The role of flavonoids in root-rhizosphere signalling: opportunities and challenges for improving plant-microbe interactions. Journal of Experimental Botany, 2012, 63, 3429-3444.	2.4	586
1021	Requirements for sulfur in cell density-independent induction of luminescence in <i>Vibrio fischeri</i> under nutrient-starved conditions. Journal of Basic Microbiology, 2012, 52, 216-223.	1.8	5
1022	Effects of indole on drug resistance and virulence of Salmonella enterica serovar Typhimurium revealed by genome-wide analyses. Gut Pathogens, 2012, 4, 5.	1.6	84
1023	C4-Alkoxy-HPD: A Potent Class of Synthetic Modulators Surpassing Nature in AI-2 Quorum Sensing. Journal of the American Chemical Society, 2012, 134, 13562-13564.	6.6	30
1024	Stereoselective Construction of Spiro(butyrolactonepyrrolidines) by Highly Efficient Copper(I)/TFâ€¢BiphamPhosâ€¢Catalyzed Asymmetric 1,3â€¢Dipolar Cycloaddition. Chemistry - A European Journal, 2012, 18, 8042-8046.	1.7	48
1025	The Multiple Signaling Systems Regulating Virulence in Pseudomonas aeruginosa. Microbiology and Molecular Biology Reviews, 2012, 76, 46-65.	2.9	619
1026	Chemical Mediation of Ternary Interactions Between Marine Holobionts and Their Environment as Exemplified by the Red Alga Delisea pulchra. Journal of Chemical Ecology, 2012, 38, 442-450.	0.9	68
1027	A Novel Bioassay for High-Throughput Screening Microorganisms with N-acyl Homoserine Lactone Degrading Activity. Applied Biochemistry and Biotechnology, 2012, 167, 73-80.	1.4	8

#	ARTICLE	IF	CITATIONS
1028	Identification of N-acyl homoserine lactones produced by <i>Gluconacetobacter diazotrophicus</i> PAL5 cultured in complex and synthetic media. <i>Archives of Microbiology</i> , 2012, 194, 615-622.	1.0	18
1029	Antibacterial surfaces developed from bio-inspired approaches. <i>Acta Biomaterialia</i> , 2012, 8, 1670-1684.	4.1	310
1030	The role of endogenous and exogenous enzymes in chronic wounds: A focus on the implications of aberrant levels of both host and bacterial proteases in wound healing. <i>Wound Repair and Regeneration</i> , 2012, 20, 125-136.	1.5	140
1031	Enhancing the utility of existing antibiotics by targeting bacterial behaviour?. <i>British Journal of Pharmacology</i> , 2012, 165, 845-857.	2.7	28
1032	The GtaR protein negatively regulates transcription of the <i>gtaRI</i> operon and modulates gene transfer agent (RcGTA) expression in <i>Rhodobacter capsulatus</i> . <i>Molecular Microbiology</i> , 2012, 83, 759-774.	1.2	55
1033	Phosphoenolpyruvate phosphotransferase system regulates detection and processing of the quorum sensing signal autoinducer-2. <i>Molecular Microbiology</i> , 2012, 84, 93-104.	1.2	67
1034	Synergistic effects of antibiotics and an N-acyl homoserine lactone analog on <i>Porphyromonas gingivalis</i> biofilms. <i>Journal of Applied Microbiology</i> , 2012, 112, 404-411.	1.4	19
1035	Detection of acylated homoserine lactones produced by <i>Vibrio</i> spp. and related species isolated from water and aquatic organisms. <i>Journal of Applied Microbiology</i> , 2012, 112, 383-389.	1.4	24
1036	Geranyl modification on the tryptophan residue of ComX pheromone by a cell-free system. <i>FEBS Letters</i> , 2012, 586, 174-179.	1.3	17
1037	Synthetic biology devices as tools for metabolic engineering. <i>Biochemical Engineering Journal</i> , 2012, 65, 82-89.	1.8	21
1038	Biofabrication of stratified biofilm mimics for observation and control of bacterial signaling. <i>Biomaterials</i> , 2012, 33, 5136-5143.	5.7	46
1039	Interkingdom adenosine signal reduces <i>Pseudomonas aeruginosa</i> pathogenicity. <i>Microbial Biotechnology</i> , 2012, 5, 560-572.	2.0	12
1040	Synthesis, Molecular Docking, and Biofilm Formation Inhibitory Activity of 5-Substituted 3,4-Dihalo-2-Hydroxyfuranone Derivatives on <i>Pseudomonas aeruginosa</i> . <i>Chemical Biology and Drug Design</i> , 2012, 79, 628-638.	1.5	17
1041	HOSTS ARE AHEAD IN A MARINE HOST-PARASITE COEVOLUTIONARY ARMS RACE: INNATE IMMUNE SYSTEM ADAPTATION IN PIPEFISH SYNGNATHUS TYPHLE AGAINST VIBRIO PHYLOTYPES. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2528-2539.	1.1	45
1042	Pathway engineering via quorum sensing and sRNA riboregulators: Interconnected networks and controllers. <i>Metabolic Engineering</i> , 2012, 14, 281-288.	3.6	18
1043	Shedding light on bioluminescence regulation in <i>Vibrio fischeri</i> . <i>Molecular Microbiology</i> , 2012, 84, 795-806.	1.2	132
1044	Electroaddressing Functionalized Polysaccharides as Model Biofilms for Interrogating Cell Signaling. <i>Advanced Functional Materials</i> , 2012, 22, 519-528.	7.8	61
1045	The effect of biofilm permeability on bio-clogging of porous media. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1031-1042.	1.7	99

#	ARTICLE	IF	CITATIONS
1046	Inhibition of quorum-sensing-dependent phenotypic expression in <i>Serratia marcescens</i> by marine sediment <i>Bacillus</i> spp. SS4. <i>Annals of Microbiology</i> , 2012, 62, 443-447.	1.1	8
1047	Functional properties of synthetic N-acyl-L-homoserine lactone analogs of quorum-sensing gram-negative bacteria on the growth of human oral squamous carcinoma cells. <i>Investigational New Drugs</i> , 2012, 30, 157-163.	1.2	9
1048	AI-2-mediated signalling in bacteria. <i>FEMS Microbiology Reviews</i> , 2013, 37, 156-181.	3.9	443
1049	Targeting quorum sensing in <i>Pseudomonas aeruginosa</i> biofilms: current and emerging inhibitors. <i>Future Microbiology</i> , 2013, 8, 901-921.	1.0	92
1050	Biofilms and Inflammation in Chronic Wounds. <i>Advances in Wound Care</i> , 2013, 2, 389-399.	2.6	296
1051	Biomimicry of quorum sensing using bacterial lifecycle model. <i>BMC Bioinformatics</i> , 2013, 14, S8.	1.2	11
1052	Study of trans- <i>trans</i> farnesol effect on hyphae formation by <i>Yarrowia lipolytica</i> . <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1967-1975.	1.7	5
1053	Investigation of N-acyl homoserine lactone (AHL) molecule production in Gram-negative bacteria isolated from cooling tower water and biofilm samples. <i>Folia Microbiologica</i> , 2013, 58, 349-360.	1.1	1
1054	The Effect of Brominated Furanones on The Formation of <i>Staphylococcus aureus</i> Biofilm on PVC. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 1501-1505.	0.9	14
1055	Transactions Among Microorganisms and Plant in the Composite Rhizosphere Habitat. , 2013, , 1-50.		10
1056	Rice and bean AHL-mimic quorum-sensing signals specifically interfere with the capacity to form biofilms by plant-associated bacteria. <i>Research in Microbiology</i> , 2013, 164, 749-760.	1.0	70
1057	Pleiotropic effects of acyltransferases on various virulence-related phenotypes of <i>Pseudomonas aeruginosa</i> . <i>Genes To Cells</i> , 2013, 18, 682-693.	0.5	12
1058	Approximating the dynamics of communicating cells in a diffusive medium by ODEs-homogenization with localization. <i>Journal of Mathematical Biology</i> , 2013, 67, 1023-1065.	0.8	23
1059	Anti-quorum sensing potential of the mangrove <i>Rhizophora annamalayana</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1851-1858.	1.7	27
1060	Combating Multidrug-Resistant Bacteria: Current Strategies for the Discovery of Novel Antibacterials. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10706-10733.	7.2	355
1061	Future Trends in Biotechnology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, , .	0.6	1
1062	Quo vadis quorum quenching?. <i>Current Opinion in Pharmacology</i> , 2013, 13, 688-698.	1.7	57
1065	A novel widespread interkingdom signaling circuit. <i>Trends in Plant Science</i> , 2013, 18, 167-174.	4.3	115

#	ARTICLE	IF	CITATIONS
1066	Enterococcal Sex Pheromones: Signaling, Social Behavior, and Evolution. <i>Annual Review of Genetics</i> , 2013, 47, 457-482.	3.2	99
1067	Crystal Structures of the LsrR Proteins Complexed with Phospho-AI-2 and Two Signal-Interrupting Analogues Reveal Distinct Mechanisms for Ligand Recognition. <i>Journal of the American Chemical Society</i> , 2013, 135, 15526-15535.	6.6	21
1068	Bioluminescence enhancement through an added washing protocol enabling a greater sensitivity to carbofuran toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2013, 96, 61-66.	2.9	11
1069	Immune surveillance mechanisms of the skin against the stealth infection strategy of <i>Pseudomonas aeruginosa</i> —Review. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2013, 36, 433-448.	0.7	21
1070	Amphypterygium adstringens Anacardic Acid Mixture Inhibits Quorum Sensing-controlled Virulence Factors of <i>Chromobacterium violaceum</i> and <i>Pseudomonas aeruginosa</i> . <i>Archives of Medical Research</i> , 2013, 44, 488-494.	1.5	57
1071	The phenomenon of microbial uncultivability. <i>Current Opinion in Microbiology</i> , 2013, 16, 636-642.	2.3	192
1072	Symbiotic Endophytes. <i>Soil Biology</i> , 2013, , .	0.6	6
1073	Role of capsular polysaccharide (<scp>CPS</scp>) in biofilm formation and regulation of <scp>CPS</scp> production by quorum sensing in <i><scp>V</scp>ibrio vulnificus</i>. <i>Molecular Microbiology</i> , 2013, 90, 841-857.	1.2	68
1074	Indole inhibits bacterial quorum sensing signal transmission by interfering with quorum sensing regulator folding. <i>Microbiology (United Kingdom)</i> , 2013, 159, 2616-2625.	0.7	58
1075	Modified N-acyl-homoserine lactones as chemical probes for the elucidation of plant-microbe interactions. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6994.	1.5	12
1076	Boundary of the Nucleotide-Binding Domain of <i>Streptococcus</i> ComA Based on Functional and Structural Analysis. <i>Biochemistry</i> , 2013, 52, 2545-2555.	1.2	13
1077	Autoinducer 2 of <i>Fusobacterium nucleatum</i> as a target molecule to inhibit biofilm formation of periodontopathogens. <i>Archives of Oral Biology</i> , 2013, 58, 17-27.	0.8	70
1078	Soil enzymes in a changing environment: Current knowledge and future directions. <i>Soil Biology and Biochemistry</i> , 2013, 58, 216-234.	4.2	1,535
1079	Are There Acyl-Homoserine Lactones within Mammalian Intestines?. <i>Journal of Bacteriology</i> , 2013, 195, 173-179.	1.0	55
1080	Ecological characteristics of anaerobic ammonia oxidizing bacteria. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1841-1849.	1.7	49
1081	Nucleotide, c-di-GMP, c-di-AMP, cGMP, cAMP, (p)ppGpp signaling in bacteria and implications in pathogenesis. <i>Chemical Society Reviews</i> , 2013, 42, 305-341.	18.7	315
1082	Intercellular and intracellular signalling systems that globally control the expression of virulence genes in plant pathogenic bacteria. <i>Molecular Plant Pathology</i> , 2013, 14, 308-322.	2.0	35
1084	<i>Vibrio fisheri</i> : Squid Symbiosis. , 2013, , 497-532.		33

#	ARTICLE	IF	CITATIONS
1085	Pathogen espionage: multiple bacterial adrenergic sensors eavesdrop on host communication systems. <i>Molecular Microbiology</i> , 2013, 87, 455-465.	1.2	86
1086	Monitoring of Quorum-Sensing Molecules during Minifermentation Studies in Wine Yeast. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2496-2505.	2.4	50
1087	A Metabolic Regulator Modulates Virulence and Quorum Sensing Signal Production in <i>Pectobacterium atrosepticum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 356-366.	1.4	14
1088	Competition sensing: the social side of bacterial stress responses. <i>Nature Reviews Microbiology</i> , 2013, 11, 285-293.	13.6	389
1089	Quorum sensing inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 867-894.	2.4	71
1090	Structure and Function of Microbial Communities. , 2013, , 3-30.		5
1091	Luminous Bacteria. , 2013, , 495-528.		34
1092	Acetate metabolism and <i>Escherichia coli</i> biofilm: new approaches to an old problem. <i>FEMS Microbiology Letters</i> , 2013, 344, 95-103.	0.7	8
1093	Microbial population dynamics and proteomics in membrane bioreactors with enzymatic quorum quenching. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4665-4675.	1.7	52
1094	Identification and characterization of genes regulated by AqsR, a LuxR-type regulator in <i>Acinetobacter oleivorans</i> DR1. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6967-6978.	1.7	14
1095	Mechanistic Insights into the LsrK Kinase Required for Autoinducer-2 Quorum Sensing Activation. <i>Journal of the American Chemical Society</i> , 2013, 135, 7827-7830.	6.6	22
1097	Acyl-Homoserine Lactone Quorum Sensing: From Evolution to Application. <i>Annual Review of Microbiology</i> , 2013, 67, 43-63.	2.9	504
1099	The role of bacterial biofilms in chronic infections. <i>Apmis</i> , 2013, 121, 1-58.	0.9	821
1101	Principles of Biofouling Protection in Marine Sponges: A Model for the Design of Novel Biomimetic and Bio-inspired Coatings in the Marine Environment?. <i>Marine Biotechnology</i> , 2013, 15, 375-398.	1.1	47
1105	N-acylhomoserine lactone-degrading bacteria isolated from hatchery bivalve larval cultures. <i>Microbiological Research</i> , 2013, 168, 547-554.	2.5	45
1106	N-Acylated Alanine Methyl Esters (NAMEs) from <i>Roseovarius tolerans</i> , Structural Analogs of Quorum Sensing Autoinducers, N-Acylhomoserine Lactones. <i>Chemistry and Biodiversity</i> , 2013, 10, 1559-1573.	1.0	14
1107	Encapsulated fusion protein confers sense and response activity to chitosan-alginate capsules to manipulate bacterial quorum sensing. <i>Biotechnology and Bioengineering</i> , 2013, 110, 552-562.	1.7	37
1108	The Bacterial Quorum-Sensing Signal Molecule N-3-Oxo-Dodecanoyl-Homoserine Lactone Reciprocally Modulates Pro- and Anti-Inflammatory Cytokines in Activated Macrophages. <i>Journal of Immunology</i> , 2013, 191, 337-344.	0.4	67

#	ARTICLE	IF	CITATIONS
1109	<i>Lysobacter enzymogenes</i> Uses Two Distinct Cell-Cell Signaling Systems for Differential Regulation of Secondary-Metabolite Biosynthesis and Colony Morphology. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6604-6616.	1.4	82
1110	A Design Principle of Group-level Decision Making in Cell Populations. <i>PLoS Computational Biology</i> , 2013, 9, e1003110.	1.5	21
1111	Characterization and Complete Sequence of Lactonase Enzyme from <i>Bacillus weihenstephanensis</i> Isolate P65 with Potential Activity against Acyl Homoserine Lactone Signal Molecules. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	24
1112	Structural Insights into a Novel Interkingdom Signaling Circuit by Cartography of the Ligand-Binding Sites of the Homologous Quorum Sensing LuxR-Family. <i>International Journal of Molecular Sciences</i> , 2013, 14, 20578-20596.	1.8	18
1113	Quorum Sensing in Some Representative Species of Halomonadaceae. <i>Life</i> , 2013, 3, 260-275.	1.1	23
1114	Small Molecule Inhibitors of AI-2 Signaling in Bacteria: State-of-the-Art and Future Perspectives for Anti-Quorum Sensing Agents. <i>International Journal of Molecular Sciences</i> , 2013, 14, 17694-17728.	1.8	60
1115	Genetic and phenotypic analysis of the GacS/GacA system in the moderate halophile <i>Halomonas anticariensis</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 462-474.	0.7	19
1116	Identification of Five Structurally Unrelated Quorum-Sensing Inhibitors of <i>Pseudomonas aeruginosa</i> from a Natural-Derivative Database. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5629-5641.	1.4	113
1117	Quorum Sensing Regulatory Cascades Control <i>Vibrio fluvialis</i> Pathogenesis. <i>Journal of Bacteriology</i> , 2013, 195, 3583-3589.	1.0	23
1118	QsIA disrupts LasR dimerization in antiactivation of bacterial quorum sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20765-20770.	3.3	44
1119	Plant growth-promoting rhizobacteria and root system functioning. <i>Frontiers in Plant Science</i> , 2013, 4, 356.	1.7	1,020
1120	Contribution of the production of quorumones to some phenotypic characteristics of <i>Pseudomonas aeruginosa</i> clinical strains. <i>Journal of Medical Microbiology</i> , 2013, 62, 951-958.	0.7	1
1121	The Iron-Dependent Regulator Fur Controls Pheromone Signaling Systems and Luminescence in the Squid Symbiont <i>Vibrio fischeri</i> ES114. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1826-1834.	1.4	20
1122	Virulence of <i>Burkholderia mallei</i> Quorum-Sensing Mutants. <i>Infection and Immunity</i> , 2013, 81, 1471-1478.	1.0	24
1123	Pavilion Lake Microbialites: Morphological, Molecular and Biochemical Evidence for a Cold-Water Transition to Colonial Aggregates. <i>Life</i> , 2013, 3, 21-37.	1.1	10
1124	Zoo-pragmatics: performative acts among animals. , 2013, , 421-438.		0
1125	Expression of <i>Klebsiella</i> sp. lactonase <i>ahlK</i> gene is growth-phase, cell-population density and <i>N</i> -acylhomoserine lactone independent. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2013, 7, 132-139.	1.1	8
1126	Presence of acylhomoserine lactones in 57 members of the <i>Vibrionaceae</i> family. <i>Journal of Applied Microbiology</i> , 2013, 115, 835-847.	1.4	46

#	ARTICLE	IF	CITATIONS
1127	Quorum Sensing Contributes to Seed-to-Seedling Transmission of <i>Xanthomonas citri</i> on Watermelon. <i>Journal of Phytopathology</i> , 2013, 161, 562-573.	0.5	24
1128	Inactivation of the Transcriptional Regulator-Encoding Gene <i>sdiA</i> Enhances Rice Root Colonization and Biofilm Formation in <i>Enterobacter cloacae</i> GS1. <i>Journal of Bacteriology</i> , 2013, 195, 39-45.	1.0	14
1129	Stochasticity in Colonial Growth Dynamics of Individual Bacterial Cells. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2294-2301.	1.4	93
1130	Regulon Studies and <i>In Planta</i> Role of the <i>Bra</i> /R Quorum-Sensing System in the Plant-Beneficial <i>Burkholderia</i> Cluster. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4421-4432.	1.4	32
1131	<i>In Silico</i> Investigation of Lactone and Thiolactone Inhibitors in Bacterial Quorum Sensing Using Molecular Modeling. <i>International Journal of Chemistry</i> , 2013, 5, .	0.3	13
1132	CO ₂ Mediated Interaction in Yeast Stimulates Budding and Growth on Minimal Media. <i>PLoS ONE</i> , 2013, 8, e62808.	1.1	8
1133	A Metagenomic Study Highlights Phylogenetic Proximity of Quorum-Quenching and Xenobiotic-Degrading Amidases of the <i>AS</i> -Family. <i>PLoS ONE</i> , 2013, 8, e65473.	1.1	29
1134	The DSF Quorum Sensing System Controls the Positive Influence of <i>Stenotrophomonas maltophilia</i> on Plants. <i>PLoS ONE</i> , 2013, 8, e67103.	1.1	51
1135	A New Transcriptional Repressor of the <i>Pseudomonas aeruginosa</i> Quorum Sensing Receptor Gene <i>lasR</i> . <i>PLoS ONE</i> , 2013, 8, e69554.	1.1	21
1136	Characterising the Role of GABA and Its Metabolism in the Wheat Pathogen <i>Stagonospora nodorum</i> . <i>PLoS ONE</i> , 2013, 8, e78368.	1.1	37
1137	Bacterial LuxR solos have evolved to respond to different molecules including signals from plants. <i>Frontiers in Plant Science</i> , 2013, 4, 447.	1.7	58
1138	Interference of bacterial cell-to-cell communication: A new concept of antimicrobial chemotherapy breaks antibiotic. <i>Frontiers in Microbiology</i> , 2013, 4, 114.	1.5	74
1139	N,N ^ε -alkylated Imidazolium-Derivatives Act as Quorum-Sensing Inhibitors Targeting the <i>Pectobacterium atrosepticum</i> -Induced Symptoms on Potato Tubers. <i>International Journal of Molecular Sciences</i> , 2013, 14, 19976-19986.	1.8	16
1141	Bacterial Sensors in Microfouling Assays. , 0, , .		1
1142	The Kiwifruit Emerging Pathogen <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> Does Not Produce AHLs but Possesses Three LuxR Solos. <i>PLoS ONE</i> , 2014, 9, e87862.	1.1	46
1143	Atomic Force Microscopy Reveals a Morphological Differentiation of <i>Chromobacterium violaceum</i> Cells Associated with Biofilm Development and Directed by N-Hexanoyl-L-Homoserine Lactone. <i>PLoS ONE</i> , 2014, 9, e103741.	1.1	16
1144	Artificially Constructed Quorum-Sensing Circuits Are Used for Subtle Control of Bacterial Population Density. <i>PLoS ONE</i> , 2014, 9, e104578.	1.1	12
1145	The Symbiotic Biofilm of <i>Sinorhizobium fredii</i> SMH12, Necessary for Successful Colonization and Symbiosis of <i>Glycine max</i> cv <i>Osumi</i> , Is Regulated by Quorum Sensing Systems and Inducing Flavonoids via <i>NodD1</i> . <i>PLoS ONE</i> , 2014, 9, e105901.	1.1	50

#	ARTICLE	IF	CITATIONS
1146	Quorum Sensing Signal Production and Microbial Interactions in a Polymicrobial Disease of Corals and the Coral Surface Mucopolysaccharide Layer. <i>PLoS ONE</i> , 2014, 9, e108541.	1.1	30
1147	<i>N</i> -Acyl Homoserine Lactone-Mediated Quorum Sensing with Special Reference to Use of Quorum Quenching Bacteria in Membrane Biofouling Control. <i>BioMed Research International</i> , 2014, 2014, 1-25.	0.9	65
1148	Novel Glycolipids Synthesized Using Plant Essential Oils and Their Application in Quorum Sensing Inhibition and as Antibiofilm Agents. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	35
1149	The <i>Pseudomonas aeruginosa</i> AlgZR two-component system coordinates multiple phenotypes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 82.	1.8	57
1150	LuxR solos in <i>Photobacterium</i> species. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 166.	1.8	35
1151	Quorum Quenching Agents: Resources for Antivirulence Therapy. <i>Marine Drugs</i> , 2014, 12, 3245-3282.	2.2	141
1152	Synthesis and biological evaluation of novel <i>N</i> -haloacylated homoserine lactones as quorum sensing modulators. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2539-2549.	1.3	8
1153	Scanning electron microscopy of biofilm formation by <i>Staphylococcus aureus</i> on stainless steel and polypropylene surfaces. <i>African Journal of Microbiology Research</i> , 2014, 8, 3136-3143.	0.4	1
1155	Metagenomic approaches to understanding phylogenetic diversity in quorum sensing. <i>Virulence</i> , 2014, 5, 433-442.	1.8	38
1156	Programming the group behaviors of bacterial communities with synthetic cellular communication. <i>Bioresources and Bioprocessing</i> , 2014, 1, .	2.0	22
1157	Analysis of <i>N</i> -acylhomoserine lactone dynamics in continuous cultures of <i>Pseudomonas putida</i> IsoF by use of ELISA and UHPLC/qTOF-MS-derived measurements and mathematical models. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6373-6383.	1.9	20
1158	In this issue of <i>Gut Microbes</i> . <i>Gut Microbes</i> , 2014, 5, 83-85.	4.3	0
1159	Antibacterial and quorum sensing regulatory activities of some traditional Eastern-European medicinal plants. <i>Acta Pharmaceutica</i> , 2014, 64, 173-186.	0.9	48
1162	Discovery of <i>Pantoea rodarii</i> Strain ND03 that Produces <i>N</i> -(3-Oxo-hexanoyl)-L-homoserine Lactone. <i>Sensors</i> , 2014, 14, 9145-9152.	2.1	5
1163	Detection of Quorum Sensing Activity in the Multidrug-Resistant Clinical Isolate <i>Pseudomonas aeruginosa</i> Strain GB11. <i>Sensors</i> , 2014, 14, 12511-12522.	2.1	2
1164	Unusual Multiple Production of <i>N</i> -Acylhomoserine Lactones a by <i>Burkholderia</i> sp. Strain C10B Isolated from Dentine Caries. <i>Sensors</i> , 2014, 14, 8940-8949.	2.1	10
1165	Sodium houttuynonate affects production of <i>N</i> -acyl homoserine lactone and quorum sensing-regulated genes expression in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 635.	1.5	36
1166	Functions and regulation of quorum-sensing in <i>Agrobacterium tumefaciens</i> . <i>Frontiers in Plant Science</i> , 2014, 5, 14.	1.7	91

#	ARTICLE	IF	CITATIONS
1167	Freshwater-Borne Bacteria Isolated from a Malaysian Rainforest Waterfall Exhibiting Quorum Sensing Properties. <i>Sensors</i> , 2014, 14, 10527-10537.	2.1	12
1168	Characterisation of a Marine Bacterium <i>Vibrio Brasiliensis</i> T33 Producing N-acyl Homoserine Lactone Quorum Sensing Molecules. <i>Sensors</i> , 2014, 14, 12104-12113.	2.1	9
1169	Quorum Sensing Activity of <i>Aeromonas Caviae</i> Strain YL12, A Bacterium Isolated from Compost. <i>Sensors</i> , 2014, 14, 7026-7040.	2.1	24
1170	<i>Enterobacter asburiae</i> Strain L1: Complete Genome and Whole Genome Optical Mapping Analysis of a Quorum Sensing Bacterium. <i>Sensors</i> , 2014, 14, 13913-13924.	2.1	24
1171	Genome Sequence of the Sponge-Associated <i>Ruegeria halocynthiae</i> Strain MOLA R1/13b, a Marine <i>Roseobacter</i> with Two Quorum-Sensing-Based Communication Systems. <i>Genome Announcements</i> , 2014, 2, .	0.8	4
1172	Antivirulence Activity of the Human Gut Metabolome. <i>MBio</i> , 2014, 5, e01183-14.	1.8	45
1173	Genome Sequence of <i>Maribius</i> sp. Strain MOLA 401, a Marine <i>Roseobacter</i> with a Quorum-Sensing Cell-Dependent Physiology. <i>Genome Announcements</i> , 2014, 2, .	0.8	2
1174	Dynamic Remodeling of Microbial Biofilms by Functionally Distinct Exopolysaccharides. <i>MBio</i> , 2014, 5, e01536-14.	1.8	142
1175	LsrF, a coenzyme A-dependent thiolase, catalyzes the terminal step in processing the quorum sensing signal autoinducer-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14235-14240.	3.3	42
1176	Andrographolide interferes quorum sensing to reduce cell damage caused by avian pathogenic <i>Escherichia coli</i> . <i>Veterinary Microbiology</i> , 2014, 174, 496-503.	0.8	20
1177	Biofilm: Basic Principles, Pathophysiology, and Implications for Clinicians. <i>Surgical Infections</i> , 2014, 15, 1-7.	0.7	67
1178	Quorum vs. diffusion sensing: a quantitative analysis of the relevance of absorbing or reflecting boundaries. <i>FEMS Microbiology Letters</i> , 2014, 352, 198-203.	0.7	39
1179	Impact of co-ε deficiency of RpoN and RpoS on stress tolerance, virulence and gene regulation in <i>Edwardsiella tarda</i> . <i>Journal of Basic Microbiology</i> , 2014, 54, 678-687.	1.8	8
1180	Reversible non-genetic phenotypic heterogeneity in bacterial quorum sensing. <i>Molecular Microbiology</i> , 2014, 92, 557-569.	1.2	39
1181	Cell density-dependent oligopeptide production in cyanobacterial strains. <i>FEMS Microbiology Ecology</i> , 2014, 88, 175-183.	1.3	25
1182	Toward Development of an Autonomous Network of Bacteria-Based Delivery Systems (BacteriaBots): Spatiotemporally High-Throughput Characterization of Bacterial Quorum-Sensing Response. <i>Analytical Chemistry</i> , 2014, 86, 11489-11493.	3.2	11
1183	Application of quorum sensing to PSO and MOPSO for convergence promotion. , 2014, , .		1
1184	Production of α -AI ϵ 2 is mediated by the <i>S</i> ε-ribosylhomocystein lyase gene <i>luxS</i> in <i>Bacteroides fragilis</i> and <i>Bacteroides vulgatus</i> . <i>Journal of Basic Microbiology</i> , 2014, 54, 644-649.	1.8	7

#	ARTICLE	IF	CITATIONS
1185	Genome-guided insights into the versatile metabolic capabilities of the mercaptosuccinate-utilizing <i>Variovorax paradoxus</i> strain B4. <i>Environmental Microbiology</i> , 2014, 16, 3370-3386.	1.8	13
1186	Cell-Cell Communication in the Tumor Microenvironment, Carcinogenesis, and Anticancer Treatment. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 213-243.	1.1	170
1187	Emerging frontiers in detection and control of bacterial biofilms. <i>Current Opinion in Biotechnology</i> , 2014, 26, 1-6.	3.3	83
1188	Inhibitory activity of <i>Salvadora persica</i> extracts against oral bacterial strains associated with periodontitis: An in-vitro study. <i>Journal of Oral Biology and Craniofacial Research</i> , 2014, 4, 19-23.	0.8	25
1189	Bacterial Signaling Ecology and Potential Applications During Aquatic Biofilm Construction. <i>Microbial Ecology</i> , 2014, 68, 24-34.	1.4	10
1190	Bacteria that inhibit quorum sensing decrease biofilm formation and virulence in <i>Pseudomonas aeruginosa</i> PAO1. <i>Pathogens and Disease</i> , 2014, 70, 271-279.	0.8	56
1191	Phosphate concentration alters the effective bacterial quorum in the symbiosis of <i>Medicago truncatula</i> - <i>Sinorhizobium meliloti</i> . <i>Symbiosis</i> , 2014, 62, 151-155.	1.2	4
1192	Network structures in biological systems. <i>Biology Bulletin Reviews</i> , 2014, 4, 47-70.	0.3	7
1193	Microbial metabolism of quorum-sensing molecules acyl-homoserine lactones, 3-heptalactone and other lactones. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3401-3412.	1.7	33
1194	Reducing virulence of the human pathogen <i>Burkholderia</i> by altering the substrate specificity of the quorum-quenching acylase PvdQ. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1568-1573.	3.3	65
1195	Recent progress in the chemistry and chemical biology of microbial signaling molecules: quorum-sensing pheromones and microbial hormones. <i>Tetrahedron Letters</i> , 2014, 55, 2773-2780.	0.7	40
1196	Active Efflux Influences the Potency of Quorum Sensing Inhibitors in <i>Pseudomonas aeruginosa</i> . <i>ChemBioChem</i> , 2014, 15, 435-442.	1.3	52
1197	Novel approaches for the design and discovery of quorum-sensing inhibitors. <i>Expert Opinion on Drug Discovery</i> , 2014, 9, 353-366.	2.5	76
1198	Antibiofilm Agents. <i>Springer Series on Biofilms</i> , 2014, , .	0.0	10
1199	A systems-theoretic model of a biological circuit for molecular communication in nanonetworks. <i>Nano Communication Networks</i> , 2014, 5, 25-34.	1.6	30
1200	<i>Pseudomonas aeruginosa</i> biofilm: Potential therapeutic targets. <i>Biologicals</i> , 2014, 42, 1-7.	0.5	152
1201	<i>N</i> -Acylhomoserine lactone uptake and systemic transport in barley root upon active parts of the plant. <i>New Phytologist</i> , 2014, 201, 545-555.	3.5	44
1202	RNase E Affects the Expression of the Acyl-Homoserine Lactone Synthase Gene <i>sinI</i> in <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2014, 196, 1435-1447.	1.0	34

#	ARTICLE	IF	CITATIONS
1203	Plant growth promotion in cereal and leguminous agricultural important plants: From microorganism capacities to crop production. <i>Microbiological Research</i> , 2014, 169, 325-336.	2.5	504
1204	Combination of Culture-Dependent and -Independent Methods Reveals Diverse Acyl Homoserine Lactone-Producers from Rhizosphere of Wetland Plants. <i>Current Microbiology</i> , 2014, 68, 587-593.	1.0	9
1205	Evolution, Complexity and Artificial Life. , 2014, , .		3
1206	Pipe Scales and Biofilms in Drinking-Water Distribution Systems: Undermining Finished Water Quality. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 1477-1523.	6.6	99
1207	Where are signal molecules likely to be located in anaerobic granular sludge?. <i>Water Research</i> , 2014, 50, 1-9.	5.3	99
1208	Combinatorial quorum sensing allows bacteria to resolve their social and physical environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4280-4284.	3.3	163
1209	Sodium ascorbate as a quorum sensing inhibitor of <i>Pseudomonas aeruginosa</i> . <i>Journal of Applied Microbiology</i> , 2014, 117, 1388-1399.	1.4	80
1210	New approaches to the treatment of biofilm-related infections. <i>Journal of Infection</i> , 2014, 69, S47-S52.	1.7	82
1211	The effects of alkylhydroxybenzenes on homoserine lactone-induced manifestations of quorum sensing in bacteria. <i>Applied Biochemistry and Microbiology</i> , 2014, 50, 353-358.	0.3	4
1212	Effect of topology of quorum sensing-related genes in <i>Pectobacterium atrosepticum</i> on their expression. <i>Molecular Biology</i> , 2014, 48, 583-589.	0.4	4
1213	Biofilms in wounds: a review of present knowledge. <i>Journal of Wound Care</i> , 2014, 23, 570-582.	0.5	80
1214	Molecular Insights into How Ligands Activate or Inactivate LasR. <i>Chemistry and Biology</i> , 2014, 21, 1261-1263.	6.2	3
1215	Phenol, 2,4-bis(1,1-dimethylethyl) of marine bacterial origin inhibits quorum sensing mediated biofilm formation in the uropathogen <i>Serratia marcescens</i> . <i>Biofouling</i> , 2014, 30, 1111-1122.	0.8	127
1216	Karrikins from plant smoke modulate bacterial quorum sensing. <i>Chemical Communications</i> , 2014, 50, 5322-5325.	2.2	15
1217	Cross-Species Comparison of the <i>Burkholderia pseudomallei</i> , <i>Burkholderia thailandensis</i> , and <i>Burkholderia mallei</i> Quorum-Sensing Regulons. <i>Journal of Bacteriology</i> , 2014, 196, 3862-3871.	1.0	47
1218	Microbiology, Genomics, and Clinical Significance of the <i>Pseudomonas fluorescens</i> Species Complex, an Unappreciated Colonizer of Humans. <i>Clinical Microbiology Reviews</i> , 2014, 27, 927-948.	5.7	200
1219	Proteome-wide analysis of the functional roles of bacilysin biosynthesis in <i>Bacillus subtilis</i> . <i>New Biotechnology</i> , 2014, 31, S68.	2.4	0
1220	Model selection for microbial nutrient uptake using a cost-benefit approach. <i>Mathematical Biosciences</i> , 2014, 255, 52-70.	0.9	2

#	ARTICLE	IF	CITATIONS
1221	Revealing a world of biofilms – the pioneering research of Bill Costerton. <i>Nature Reviews Microbiology</i> , 2014, 12, 781-787.	13.6	39
1222	THE EFFECT OF Mn(II) ON THE AUTOINDUCING GROWTH INHIBITION FACTOR IN <i>Deinococcus radiodurans</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2014, 44, 645-652.	1.0	3
1223	<i>Deinococcus radiodurans</i> can interfere with quorum sensing by producing an AHL-acylase and an AHL-lactonase. <i>FEMS Microbiology Letters</i> , 2014, 356, 62-70.	0.7	31
1224	Modeling bacterial quorum sensing in open and closed environments: potential discrepancies between agar plate and culture flask experiments. <i>Journal of Molecular Modeling</i> , 2014, 20, 2248.	0.8	4
1225	Pathogen bacteria adhesion to skin mucus of fishes. <i>Veterinary Microbiology</i> , 2014, 171, 1-12.	0.8	166
1226	Pyocyanin, a Virulence Factor Produced by <i>Pseudomonas aeruginosa</i> , Alters Root Development Through Reactive Oxygen Species and Ethylene Signaling in <i>Arabidopsis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 364-378.	1.4	48
1227	Cooperative signal amplification for molecular communication in nanonetworks. <i>Wireless Networks</i> , 2014, 20, 1611-1626.	2.0	8
1228	Early effects of <i>Staphylococcus aureus</i> biofilm secreted products on inflammatory responses of human epithelial keratinocytes. <i>Journal of Inflammation</i> , 2014, 11, 17.	1.5	32
1229	Biochemistry and Genetics of Bacterial Bioluminescence. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2014, 144, 37-64.	0.6	58
1230	Silencing of <i>Erwinia amylovora</i> sy69 AHL quorum sensing by a <i>Bacillus simplex</i> AHL-inducible <i>aiiA</i> gene encoding a zinc-dependent acyl-homoserine lactonase. <i>Plant Pathology</i> , 2014, 63, 773-783.	1.2	9
1231	Mathematical Modeling of Microbial Ecology: Spatial Dynamics of Interactions in Biofilms and Guts. , 0, , 347-377.		6
1232	More than Just a Quorum: Integration of Stress and Other Environmental Cues in Acyl-Homoserine Lactone Signaling. , 2014, , 349-363.		4
1233	The Interplay between the Microbiota and Enterohemorrhagic <i>Escherichia coli</i> . <i>Microbiology Spectrum</i> , 2014, 2, .	1.2	23
1236	Multi-objective Optimal Operation of Cascaded Hydropower Stations Based on MOPSO with Bacteria Quorum Sensing Inspired Turbulence Mechanism. <i>Communications in Computer and Information Science</i> , 2015, , 63-74.	0.4	0
1238	Ultrastructural study on the morphological changes in indigenous bacteria of mucous layer and chyme throughout the rat intestine. <i>Journal of Veterinary Medical Science</i> , 2015, 77, 1121-1128.	0.3	4
1240	Inhibition and Induction of Quorum Sensing Using Complexes between <i>N-Acylhomoserine Lactone</i> and Self-assembled Polymer Micelles. <i>Chemistry Letters</i> , 2015, 44, 1544-1546.	0.7	4
1241	Collective and individual glycolytic oscillations in yeast cells encapsulated in alginate microparticles. <i>Chaos</i> , 2015, 25, 064606.	1.0	17
1242	New Technologies for Studying Biofilms. <i>Microbiology Spectrum</i> , 2015, 3, .	1.2	83

#	ARTICLE	IF	CITATIONS
1243	Metabolism and Pathogenicity of <i>Pseudomonas aeruginosa</i> Infections in the Lungs of Individuals with Cystic Fibrosis. <i>Microbiology Spectrum</i> , 2015, 3, .	1.2	26
1245	Mapping the CgrA regulon of <i>Rhodospirillum centenum</i> reveals a hierarchal network controlling Gram-negative cyst development. <i>BMC Genomics</i> , 2015, 16, 1066.	1.2	5
1246	Identification and analysis of the salt tolerant property of AHL lactonase (AiiA _{TSAWB}) of <i>Bacillus</i> species. <i>Journal of Basic Microbiology</i> , 2015, 55, 579-590.	1.8	14
1247	Draft Genome Sequence of <i>Prosthecomicrobium hirschii</i> ATCC 27832 T. <i>Genome Announcements</i> , 2015, 3, .	0.8	5
1248	Interacting Transcriptomes Revealing Molecular Mechanisms Underlying Xa39 Mediated Broad Spectrum Resistance of Rice to Bacterial Blight. <i>Plant Genome</i> , 2015, 8, eplantgenome2014.12.0094.	1.6	7
1249	A structural perspective on the mechanisms of quorum sensing activation in bacteria. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 2189-2203.	0.3	13
1250	Characterization of the quorum quenching activity of <i>Streptomyces minutiscleroticus</i> : A new approach for infection control. <i>African Journal of Microbiology Research</i> , 2015, 9, 492-502.	0.4	4
1251	Marine-Derived Quorum-Sensing Inhibitory Activities Enhance the Antibacterial Efficacy of Tobramycin against <i>Pseudomonas aeruginosa</i> . <i>Marine Drugs</i> , 2015, 13, 1-28.	2.2	38
1252	New Technologies for Studying Biofilms. , 2015, , 1-32.		5
1253	Psychrotrophic bacteria in milk: How much do we really know?. <i>Brazilian Journal of Microbiology</i> , 2015, 46, 313-321.	0.8	93
1254	Whole genome sequencing and analysis reveal insights into the genetic structure, diversity and evolutionary relatedness of luxI and luxR homologs in bacteria belonging to the Sphingomonadaceae family. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 188.	1.8	41
1255	A bioinformatic survey of distribution, conservation, and probable functions of LuxR solo regulators in bacteria. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 16.	1.8	60
1256	Census of solo LuxR genes in prokaryotic genomes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 20.	1.8	82
1257	<i>Stenotrophomonas maltophilia</i> responds to exogenous AHL signals through the LuxR solo SmoR (Smlt1839). <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 41.	1.8	38
1258	Studies on synthetic LuxR solo hybrids. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 52.	1.8	7
1259	Editorial: LuxR Solos are Becoming Major Players in Cell-Cell Communication in Bacteria. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 89.	1.8	21
1260	The cognitive cell: bacterial behavior reconsidered. <i>Frontiers in Microbiology</i> , 2015, 6, 264.	1.5	194
1261	Sub-MICs of <i>Mentha piperita</i> essential oil and menthol inhibits AHL mediated quorum sensing and biofilm of Gram-negative bacteria. <i>Frontiers in Microbiology</i> , 2015, 6, 420.	1.5	127

#	ARTICLE	IF	CITATIONS
1262	Inhibiting N-acyl-homoserine lactone synthesis and quenching <i>Pseudomonas</i> quinolone quorum sensing to attenuate virulence. <i>Frontiers in Microbiology</i> , 2015, 6, 1173.	1.5	60
1263	Modulation of Host Biology by <i>Pseudomonas aeruginosa</i> Quorum Sensing Signal Molecules: Messengers or Traitors. <i>Frontiers in Microbiology</i> , 2015, 6, 1226.	1.5	51
1264	Identification of Genetic Modules Mediating the Jekyll and Hyde Interaction of <i>Dinoroseobacter shibae</i> with the Dinoflagellate <i>Prorocentrum minimum</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1262.	1.5	49
1265	Antibacterial, anti-swarming and anti-biofilm formation activities of <i>Chamaemelum nobile</i> against <i>Pseudomonas aeruginosa</i> . <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2015, 48, 432-436.	0.4	55
1266	OpaR Controls a Network of Downstream Transcription Factors in <i>Vibrio parahaemolyticus</i> BB22OP. <i>PLoS ONE</i> , 2015, 10, e0121863.	1.1	40
1267	Modeling Analysis of Signal Sensitivity and Specificity by <i>Vibrio fischeri</i> LuxR Variants. <i>PLoS ONE</i> , 2015, 10, e0126474.	1.1	24
1268	Regulation of Indole Signalling during the Transition of <i>E. coli</i> from Exponential to Stationary Phase. <i>PLoS ONE</i> , 2015, 10, e0136691.	1.1	30
1269	A new repertoire of informations about the quorum sensing system in <i>Salmonella enterica</i> serovar Enteritidis PT4. <i>Genetics and Molecular Research</i> , 2015, 14, 4068-4084.	0.3	15
1270	Biofilm Formation by <i>Helicobacter pylori</i> and Its Involvement for Antibiotic Resistance. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	89
1271	A review: Quorum sensing in <i>Bradyrhizobium</i> . <i>Applied Soil Ecology</i> , 2015, 94, 49-58.	2.1	24
1272	Marine Organisms as Source of Quorum Sensing Inhibitors. , 2015, , 259-268.		2
1273	Cell-Cell Communication in <i>Azospirillum</i> and Related PGPR. , 2015, , 263-285.		2
1274	Design, synthesis and biological evaluation of 4-(alkyloxy)-6-methyl-2H-pyran-2-one derivatives as quorum sensing inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2913-2917.	1.0	41
1275	Natural products in soil microbe interactions and evolution. <i>Natural Product Reports</i> , 2015, 32, 956-970.	5.2	172
1276	Quorum-Sensing Mechanisms Mediated by Farnesol in <i>Ophiostoma piceae</i> : Effect on Secretion of Sterol Esterase. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4351-4357.	1.4	35
1277	Comparative genome analysis of rice-pathogenic <i>Burkholderia</i> provides insight into capacity to adapt to different environments and hosts. <i>BMC Genomics</i> , 2015, 16, 349.	1.2	45
1278	Adaptations of Prokaryotes to Their Biotopes and to Physicochemical Conditions in Natural or Anthropized Environments. , 2015, , 293-351.		5
1279	Increasing Avermectin Production in <i>Streptomyces avermitilis</i> by Manipulating the Expression of a Novel TetR-Family Regulator and Its Target Gene Product. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5157-5173.	1.4	45

#	ARTICLE	IF	CITATIONS
1280	Whole Genome Sequencing of the Symbiont <i>Pseudovibrio</i> sp. from the Intertidal Marine Sponge <i>Polymastia penicillus</i> Revealed a Gene Repertoire for Host-Switching Permissive Lifestyle. <i>Genome Biology and Evolution</i> , 2015, 7, 3022-3032.	1.1	46
1281	Insights into the Quorum-Sensing Activity in <i>Aeromonas hydrophila</i> Strain M013 as Revealed by Whole-Genome Sequencing. <i>Genome Announcements</i> , 2015, 3, .	0.8	10
1282	Understanding the Quorum-Sensing Bacterium <i>Pantoea stewartii</i> Strain M009 with Whole-Genome Sequencing Analysis. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
1283	Whole-Genome Sequencing Analysis of Quorum-Sensing <i>Aeromonas hydrophila</i> Strain M023 from Freshwater. <i>Genome Announcements</i> , 2015, 3, .	0.8	7
1284	Molecular dynamics study of the effect of active site protonation on <i>Helicobacter pylori</i> 5-methylthioadenosine/S-adenosylhomocysteine nucleosidase. <i>European Biophysics Journal</i> , 2015, 44, 685-696.	1.2	6
1285	Microbial Biofilms and Quorum Sensing. , 2015, , 45-52.		4
1286	Triazole-containing N-acyl homoserine lactones targeting the quorum sensing system in <i>Pseudomonas aeruginosa</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1638-1650.	1.4	33
1287	Collective sensing and collective responses in quorum-sensing bacteria. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20140882.	1.5	99
1288	Silk Macromolecules with Amino Acid-Poly(Ethylene Glycol) Grafts for Controlling Layer-by-Layer Encapsulation and Aggregation of Recombinant Bacterial Cells. <i>ACS Nano</i> , 2015, 9, 1219-1235.	7.3	47
1289	Differential growth of wrinkled biofilms. <i>Physical Review E</i> , 2015, 91, 022710.	0.8	32
1291	Biofilms and implant-associated infections. , 2015, , 19-45.		7
1292	Quorum sensing triggers the stochastic escape of individual cells from <i>Pseudomonas putida</i> biofilms. <i>Nature Communications</i> , 2015, 6, 5945.	5.8	842
1293	Marine Enzymes Production & Applications. , 2015, , 413-429.		9
1294	Transcriptome of the quorum-sensing signal-degrading <i>Rhodococcus erythropolis</i> responds differentially to virulent and avirulent <i>Pectobacterium atrosepticum</i> . <i>Heredity</i> , 2015, 114, 476-484.	1.2	24
1295	Core Principles of Bacterial Autoinducer Systems. <i>Microbiology and Molecular Biology Reviews</i> , 2015, 79, 153-169.	2.9	157
1296	Novel Linear Polymers Able to Inhibit Bacterial Quorum Sensing. <i>Macromolecular Bioscience</i> , 2015, 15, 647-656.	2.1	26
1297	Effective stimulating factors for microbial levan production by <i>Halomonas smyrnensis</i> AAD6T. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 455-463.	1.1	81
1298	Post-transcriptional regulation of gene <i>PA5507</i> controls <i>Pseudomonas</i> quinolone signal concentration in <i>P. aeruginosa</i> . <i>Molecular Microbiology</i> , 2015, 96, 670-683.	1.2	4

#	ARTICLE	IF	CITATIONS
1299	Multiple mechanisms of transmission of the Caribbean coral disease white plague. <i>Coral Reefs</i> , 2015, 34, 1179-1188.	0.9	20
1300	Microbial Biofilm as a Smart Material. <i>Sensors</i> , 2015, 15, 4229-4241.	2.1	7
1301	Synergistic activation of quorum sensing in <i>Vibrio harveyi</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3966-3969.	1.0	8
1302	Quorum Sensing Protects <i>Pseudomonas aeruginosa</i> against Cheating by Other Species in a Laboratory Coculture Model. <i>Journal of Bacteriology</i> , 2015, 197, 3154-3159.	1.0	58
1303	Indole: a signaling molecule or a mere metabolic byproduct that alters bacterial physiology at a high concentration?. <i>Journal of Microbiology</i> , 2015, 53, 421-428.	1.3	107
1304	Rational design of "controller cells"™ to manipulate protein and phenotype expression. <i>Metabolic Engineering</i> , 2015, 30, 61-68.	3.6	20
1305	XocR, a LuxR solo required for virulence in <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 37.	1.8	21
1306	The autoinducer synthases LuxI and AinS are responsible for temperature-dependent AHL production in the fish pathogen <i>Aliivibrio salmonicida</i> . <i>BMC Microbiology</i> , 2015, 15, 69.	1.3	27
1307	Ecoevolutionary Processes Regulating Microbiome Community Assembly in a Changing Global Ecosystem. <i>SpringerBriefs in Ecology</i> , 2015, , 55-87.	0.2	5
1308	Handbook for <i>Azospirillum</i> . , 2015, , .		30
1309	Identification of the release and effects of AHLs in anammox culture for bacteria communication. <i>Chemical Engineering Journal</i> , 2015, 273, 184-191.	6.6	112
1310	Exploring ComQXPA quorum-sensing diversity and biocontrol potential of <i>Bacillus acillus</i> spp. isolates from tomato rhizosphere. <i>Microbial Biotechnology</i> , 2015, 8, 527-540.	2.0	35
1311	A new class of bacterial quorum sensing antagonists: glycomonoterpenols synthesized using linalool and alpha terpineol. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 841-849.	1.7	20
1312	Influence of bacterial N-acyl-homoserine lactones on growth parameters, pigments, antioxidative capacities and the xenobiotic phase II detoxification enzymes in barley and yam bean. <i>Frontiers in Plant Science</i> , 2015, 6, 205.	1.7	41
1313	Diversity of quorum sensing autoinducer synthases in the Global Ocean Sampling metagenomic database. <i>Aquatic Microbial Ecology</i> , 2015, 74, 107-119.	0.9	56
1314	Unraveling interactions in microbial communities - from co-cultures to microbiomes. <i>Journal of Microbiology</i> , 2015, 53, 295-305.	1.3	57
1315	Nitroxides as anti-biofilm compounds for the treatment of <i>Pseudomonas aeruginosa</i> and mixed-culture biofilms. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4751-4759.	1.5	24
1316	<i>Xanthomonas campestris</i> cell-cell signalling molecule DSF (diffusible signal factor) elicits innate immunity in plants and is suppressed by the exopolysaccharide xanthan. <i>Journal of Experimental Botany</i> , 2015, 66, 6697-6714.	2.4	71

#	ARTICLE	IF	CITATIONS
1317	Effect of the synthetic cannabinoid HU-210 on quorum sensing and on the production of quorum sensing-mediated virulence factors by <i>Vibrio harveyi</i> . <i>BMC Microbiology</i> , 2015, 15, 159.	1.3	23
1318	Multiscale modeling of biological communication. , 2015, , .		6
1319	Regulation of Bioluminescence in <i>Photobacterium leiognathi</i> Strain KNH6. <i>Journal of Bacteriology</i> , 2015, 197, 3676-3685.	1.0	19
1320	Genome Sequence Analysis Reveals Evidence of Quorum-Sensing Genes Present in <i>Aeromonas hydrophila</i> Strain M062, Isolated from Freshwater. <i>Genome Announcements</i> , 2015, 3, .	0.8	7
1321	Assessment of the effect of a <i>Salmonella enterica</i> ser. Typhimurium culture supernatant on the single-cell lag time of foodborne pathogens. <i>International Journal of Food Microbiology</i> , 2015, 215, 143-148.	2.1	10
1322	Halophiles. <i>Sustainable Development and Biodiversity</i> , 2015, , .	1.4	16
1323	Regulation of toxin gene expression in <i>Clostridium perfringens</i> . <i>Research in Microbiology</i> , 2015, 166, 280-289.	1.0	32
1324	Synergistic inhibition of Streptococcal biofilm by ribose and xylitol. <i>Archives of Oral Biology</i> , 2015, 60, 304-312.	0.8	24
1325	Interplay of physical mechanisms and biofilm processes: review of microfluidic methods. <i>Lab on A Chip</i> , 2015, 15, 23-42.	3.1	133
1326	Inhibition of biofilm formation in <i>Bacillus subtilis</i> by new halogenated furanones. <i>Journal of Antibiotics</i> , 2015, 68, 297-301.	1.0	46
1327	The hierarchy quorum sensing network in <i>Pseudomonas aeruginosa</i> . <i>Protein and Cell</i> , 2015, 6, 26-41.	4.8	930
1328	Quorum Sensing vs Quorum Quenching: A Battle with No End in Sight. , 2015, , .		32
1329	Genomic overview of the phytopathogen <i>Pectobacterium wasabiae</i> strain RNS 08.42.1A suggests horizontal acquisition of quorum-sensing genes. <i>Genetica</i> , 2015, 143, 241-252.	0.5	7
1330	A Direct Pre-screen for Marine Bacteria Producing Compounds Inhibiting Quorum Sensing Reveals Diverse Planktonic Bacteria that are Bioactive. <i>Marine Biotechnology</i> , 2015, 17, 33-42.	1.1	14
1331	Recent Advances in the Chemistry and Chemical Biology of Quorum-Sensing Pheromones and Microbial Hormones. <i>Studies in Natural Products Chemistry</i> , 2016, , 331-355.	0.8	7
1332	Process-Oriented Review of Bacterial Quorum Quenching for Membrane Biofouling Mitigation in Membrane Bioreactors (MBRs). <i>Membranes</i> , 2016, 6, 52.	1.4	23
1333	Unraveling the Functions of the Macroalgal Microbiome. <i>Frontiers in Microbiology</i> , 2015, 6, 1488.	1.5	58
1334	The LuxS Based Quorum Sensing Governs Lactose Induced Biofilm Formation by <i>Bacillus subtilis</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1517.	1.5	60

#	ARTICLE	IF	CITATIONS
1335	Exploiting Quorum Sensing Interfering Strategies in Gram-Negative Bacteria for the Enhancement of Environmental Applications. <i>Frontiers in Microbiology</i> , 2015, 6, 1535.	1.5	106
1336	Quorum Sensing: An Under-Explored Phenomenon in the Phylum Actinobacteria. <i>Frontiers in Microbiology</i> , 2016, 7, 131.	1.5	92
1337	Quorum Sensing Inhibiting Activity of <i>Streptomyces coelicoflavus</i> Isolated from Soil. <i>Frontiers in Microbiology</i> , 2016, 7, 659.	1.5	64
1338	Adaptive Significance of Quorum Sensing-Dependent Regulation of Rhamnolipids by Integration of Growth Rate in <i>Burkholderia glumae</i> : A Trade-Off between Survival and Efficiency. <i>Frontiers in Microbiology</i> , 2016, 7, 1215.	1.5	19
1339	New Weapons to Fight Old Enemies: Novel Strategies for the (Bio)control of Bacterial Biofilms in the Food Industry. <i>Frontiers in Microbiology</i> , 2016, 7, 1641.	1.5	210
1340	Mathematical Modeling of Bacteria Communication in Continuous Cultures. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 149.	1.3	6
1341	Quorum Sensing Desynchronization Leads to Bimodality and Patterned Behaviors. <i>PLoS Computational Biology</i> , 2016, 12, e1004781.	1.5	26
1342	Anti-quorum sensing activity of phenolic extract from <i>Eugenia brasiliensis</i> (Brazilian cherry). <i>Food Science and Technology</i> , 2016, 36, 337-343.	0.8	25
1343	Plant phenolic acids affect the virulence of <i>Pectobacterium atrosearum</i> and <i>Pectobacterium carotovorum</i> ssp. <i>brasiliense</i> via quorum sensing regulation. <i>Molecular Plant Pathology</i> , 2016, 17, 487-500.	2.0	69
1344	Whole-Genome Sequencing Analysis of <i>Chromobacterium piscinae</i> Strain ND17, a Quorum-Sensing Bacterium. <i>Genome Announcements</i> , 2016, 4, .	0.8	5
1345	In vitro analysis of essential binding sites on the promoter of the <i>Serratia marcescens</i> spn operon with the quorum-sensing receptor SpnR. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2513-2517.	1.7	8
1346	Fine-Tuning Covalent Inhibition of Bacterial Quorum Sensing. <i>ChemBioChem</i> , 2016, 17, 825-835.	1.3	26
1347	Interspecies and Interkingdom Signaling via Quorum Signals. <i>Israel Journal of Chemistry</i> , 2016, 56, 265-272.	1.0	20
1348	Farnesol and <i>Candida albicans</i> : Quorum Sensing or Not Quorum Sensing?. <i>Israel Journal of Chemistry</i> , 2016, 56, 295-301.	1.0	9
1349	Quorum sensing systems differentially regulate the production of phenazine-1-carboxylic acid in the rhizobacterium <i>Pseudomonas aeruginosa</i> PA1201. <i>Scientific Reports</i> , 2016, 6, 30352.	1.6	32
1350	Hayek Enriched by Complexity Enriched by Hayek. <i>Advances in Austrian Economics</i> , 2016, , 63-121.	0.4	12
1351	Coupling spatial segregation with synthetic circuits to control bacterial survival. <i>Molecular Systems Biology</i> , 2016, 12, 859.	3.2	33
1353	The metabolic flux regulation of <i>Klebsiella pneumoniae</i> based on quorum sensing system. <i>Scientific Reports</i> , 2016, 6, 38725.	1.6	16

#	ARTICLE	IF	CITATIONS
1354	Coordinate Regulation of Antimycin and Candicidin Biosynthesis. <i>MSphere</i> , 2016, 1, .	1.3	46
1355	Modeling quorum sensing trade-offs between bacterial cell density and system extension from open boundaries. <i>Scientific Reports</i> , 2016, 6, 39142.	1.6	20
1356	Harnessing hyperthermostable lactonase from <i>Sulfolobus solfataricus</i> for biotechnological applications. <i>Scientific Reports</i> , 2016, 6, 37780.	1.6	38
1357	Fatty Acids as Mediators of Intercellular Signaling. , 2016, , 1-13.		1
1358	Enhanced membrane biofouling potential by on-line chemical cleaning in membrane bioreactor. <i>Journal of Membrane Science</i> , 2016, 511, 84-91.	4.1	77
1359	Diversity in yeast mycelium dimorphism response of the Dutch elm disease pathogens: the inoculum size effect. <i>Canadian Journal of Microbiology</i> , 2016, 62, 525-529.	0.8	13
1360	Acyl-homoserine lactone-based quorum sensing and quorum quenching hold promise to determine the performance of biological wastewater treatments: An overview. <i>Chemosphere</i> , 2016, 157, 137-151.	4.2	204
1361	Cooperation and antagonism in information exchange in a growth scenario with two species. <i>Journal of Theoretical Biology</i> , 2016, 399, 117-133.	0.8	4
1362	Evidence for the widespread production of DSF family signal molecules by members of the genus <i>Burkholderia</i> by the aid of novel biosensors. <i>Environmental Microbiology Reports</i> , 2016, 8, 38-44.	1.0	17
1363	Short communication: The role of autoinducer 2 (AI-2) on antibiotic resistance regulation in an <i>Escherichia coli</i> strain isolated from a dairy cow with mastitis. <i>Journal of Dairy Science</i> , 2016, 99, 4693-4698.	1.4	33
1364	Density-Dependent Differentiation of Bacteria in Spatially Structured Open Systems. <i>Biophysical Journal</i> , 2016, 110, 1648-1660.	0.2	10
1365	Enterococcal Sex Pheromones: Evolutionary Pathways to Complex, Two-Signal Systems. <i>Journal of Bacteriology</i> , 2016, 198, 1556-1562.	1.0	60
1366	Growth of <i>Staphylococcus aureus</i> in cooked ready-to-eat ground fish as affected by inoculum size and potassium sorbate as food preservative. <i>LWT - Food Science and Technology</i> , 2016, 71, 400-408.	2.5	10
1367	Antioxidant and Anti-quorum Sensing Potential of <i>Acer monspessulanum</i> subsp. <i>monspessulanum</i> Extracts. <i>Planta Medica</i> , 2016, 82, 1335-1340.	0.7	11
1368	Intercellular signaling in microbial world: A panoramic view. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 1-10.	0.3	5
1369	Autoinducer-2 of quorum sensing is involved in cell damage caused by avian pathogenic <i>Escherichia coli</i> . <i>Microbial Pathogenesis</i> , 2016, 99, 247-252.	1.3	7
1370	LasR Variant Cystic Fibrosis Isolates Reveal an Adaptable Quorum-Sensing Hierarchy in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2016, 7, .	1.8	219
1371	The Role of Microbes in Plastic Degradation. , 2016, , 355-384.		2

#	ARTICLE	IF	CITATIONS
1373	Quorum sensing signalâ€‘response systems in Gram-negative bacteria. <i>Nature Reviews Microbiology</i> , 2016, 14, 576-588.	13.6	1,586
1374	INVITED: Microbial Communication via Quorum Sensing. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2016, , 1-1.	1.4	13
1375	Novel insights from molecular docking of SdiA from <i>Salmonella Enteritidis</i> and <i>Escherichia coli</i> with quorum sensing and quorum quenching molecules. <i>Microbial Pathogenesis</i> , 2016, 99, 178-190.	1.3	46
1376	New insights into the interaction between the quorumâ€‘sensing receptor NprR and its <sc>DNA</sc> target, or the response regulator Spo0F. <i>FEBS Letters</i> , 2016, 590, 3243-3253.	1.3	20
1377	Mathematical Modelling of Bacterial Quorum Sensing: A Review. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 1585-1639.	0.9	66
1378	Quorum-sensing in yeast and its potential in wine making. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7841-7852.	1.7	66
1379	Biosensing <i>Vibrio cholerae</i> with Genetically Engineered <i>Escherichia coli</i>. <i>ACS Synthetic Biology</i> , 2016, 5, 1275-1283.	1.9	42
1380	Fungal endophytes for sustainable crop production. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw194.	1.3	256
1381	Synthesis and analysis of stable isotope-labelled N-acyl homoserine lactones. <i>RSC Advances</i> , 2016, 6, 73717-73730.	1.7	8
1382	Perspectives for microbial community composition in anaerobic digestion: from abundance and activity to connectivity. <i>Environmental Microbiology</i> , 2016, 18, 2797-2809.	1.8	99
1383	Switch of SpnR function from activating to inhibiting quorum sensing by its exogenous addition. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 993-997.	1.0	6
1384	<i>N</i>-(3-oxo-hexanoyl)-homoserine lactone has a critical contribution to the quorum-sensing-dependent regulation in phytopathogen <i>Pseudomonas syringae</i> pv. <i>tabaci</i> 11528. <i>FEMS Microbiology Letters</i>, 2016, 363, fnw265.</i>	0.7	9
1385	Quorum Sensing and Quorum Quenching in the Phycosphere of Phytoplankton: a Case of Chemical Interactions in Ecology. <i>Journal of Chemical Ecology</i> , 2016, 42, 1201-1211.	0.9	70
1386	Continuous Fluorescence Assays for Reactions Involving Adenine. <i>Analytical Chemistry</i> , 2016, 88, 11860-11867.	3.2	9
1387	Nutrient reduction induced stringent responses promote bacterial quorum-sensing divergence for population fitness. <i>Scientific Reports</i> , 2016, 6, 34925.	1.6	29
1388	A crucial role for spatial distribution in bacterial quorum sensing. <i>Scientific Reports</i> , 2016, 6, 34695.	1.6	40
1389	Microbial interactions: ecology in a molecular perspective. <i>Brazilian Journal of Microbiology</i> , 2016, 47, 86-98.	0.8	250
1391	Characterization of <i>N</i>-acyl homoserine lactones (AHLs) producing bacteria isolated from vacuum-packaged refrigerated turbot (<i>Scophthalmus maximus</i>) and possible influence of exogenous AHLs on bacterial phenotype. <i>Journal of General and Applied Microbiology</i> , 2016, 62, 60-67.	0.4	19

#	ARTICLE	IF	CITATIONS
1393	Quorum Sensing in <i>Pseudomonas aeruginosa</i> : Mechanism and Regulation of Virulence. , 2016, , 231-256.		2
1394	Classic Spotlight: Quorum Sensing and the Multicellular Life of Unicellular Organisms. <i>Journal of Bacteriology</i> , 2016, 198, 601-601.	1.0	6
1395	<i>Pseudomonas</i> -Plant Interactions I: Plant Growth Promotion and Defense-Mediated Mechanisms. , 2016, , 419-468.		9
1396	Enhancing Intercellular Coordination: Rewiring Quorum Sensing Networks for Increased Protein Expression through Autonomous Induction. <i>ACS Synthetic Biology</i> , 2016, 5, 923-928.	1.9	18
1397	Synthetic Chemical Inducers and Genetic Decoupling Enable Orthogonal Control of the <i>rhaBAD</i> Promoter. <i>ACS Synthetic Biology</i> , 2016, 5, 1136-1145.	1.9	47
1399	Identification of N-Hexadecanoyl-L-homoserine lactone (C16-AHL) as signal molecule in halophilic bacterium <i>Halomonas smyrnensis</i> AAD6. <i>Annals of Microbiology</i> , 2016, 66, 1329-1333.	1.1	6
1400	Bacterial tweets and podcasts #signaling#eavesdropping#microbialfightclub. <i>Molecular and Biochemical Parasitology</i> , 2016, 208, 41-48.	0.5	12
1401	CqqA, a novel protein in <i>Komagataeibacter europaeus</i> involved in bacterial quorum quenching and cellulose formation. <i>Microbial Cell Factories</i> , 2016, 15, 88.	1.9	15
1402	Diffusible signal factor family signals provide a fitness advantage to <i>Xanthomonas campestris</i> pv. <i>campestris</i> in interspecies competition. <i>Environmental Microbiology</i> , 2016, 18, 1534-1545.	1.8	30
1403	Directed assembly of a bacterial quorum. <i>ISME Journal</i> , 2016, 10, 158-169.	4.4	44
1404	An age-dependent model to analyse the evolutionary stability of bacterial quorum sensing. <i>Journal of Theoretical Biology</i> , 2016, 405, 104-115.	0.8	14
1405	Time-dependent hormesis of chemical mixtures: A case study on sulfa antibiotics and a quorum-sensing inhibitor of <i>Vibrio fischeri</i> . <i>Environmental Toxicology and Pharmacology</i> , 2016, 41, 45-53.	2.0	29
1406	Tannin-Rich Fraction from Pomegranate Rind Inhibits Quorum Sensing in <i>Chromobacterium violaceum</i> and Biofilm Formation in <i>Escherichia coli</i> . <i>Foodborne Pathogens and Disease</i> , 2016, 13, 28-35.	0.8	33
1407	The cystic fibrosis microbiome in an ecological perspective and its impact in antibiotic therapy. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1163-1181.	1.7	30
1408	Collective Population Effects in Nonviral Systems. , 2016, , 339-362.		0
1409	New antibacterial isocoumarin glycosides from a wetland soil derived fungal strain <i>Metarhizium anisopliae</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1391-1396.	1.0	21
1410	Prediction of mixture toxicity from the hormesis of a single chemical: A case study of combinations of antibiotics and quorum-sensing inhibitors with gram-negative bacteria. <i>Chemosphere</i> , 2016, 150, 159-167.	4.2	25
1411	Antisocial <i>luxO</i> Mutants Provide a Stationary-Phase Survival Advantage in <i>Vibrio fischeri</i> ES114. <i>Journal of Bacteriology</i> , 2016, 198, 673-687.	1.0	24

#	ARTICLE	IF	CITATIONS
1412	Signaling in the Rhizosphere. Trends in Plant Science, 2016, 21, 187-198.	4.3	465
1413	Systematic Design of a Quorum Sensing-Based Biosensor for Enhanced Detection of Metal Ion in Escherichia Coli. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 593-601.	2.7	12
1414	The joint effects of sulfonamides and quorum sensing inhibitors on <i>Vibrio fischeri</i> : Differences between the acute and chronic mixed toxicity mechanisms. Journal of Hazardous Materials, 2016, 310, 56-67.	6.5	16
1415	The Addition of N-Hexanoyl-Homoserine Lactone to Improve the Microbial Flocculant Production of <i>Agrobacterium tumefaciens</i> Strain F2, an Exopolysaccharide Bioflocculant-Producing Bacterium. Applied Biochemistry and Biotechnology, 2016, 179, 728-739.	1.4	14
1416	What a Dinner Party! Mechanisms and Functions of Interkingdom Signaling in Host-Pathogen Associations. MBio, 2016, 7, e01748.	1.8	94
1417	Plant root-microbe communication in shaping root microbiomes. Plant Molecular Biology, 2016, 90, 575-587.	2.0	523
1418	1-Octanol, a self-inhibitor of spore germination in <i>Penicillium camemberti</i> . Food Microbiology, 2016, 57, 1-7.	2.1	24
1419	Tools for the Microbiome: Nano and Beyond. ACS Nano, 2016, 10, 6-37.	7.3	137
1420	Circumvention of Learning Increases Intoxication Efficacy of Nematicidal Engineered Bacteria. ACS Synthetic Biology, 2016, 5, 241-249.	1.9	6
1421	The stress-related, rhizobial small RNA RcsR1 destabilizes the autoinducer synthase encoding mRNA in <i>Sinorhizobium meliloti</i> . RNA Biology, 2016, 13, 486-499.	1.5	35
1422	Functions, mechanisms and regulation of endophytic and epiphytic microbial communities of plants. Symbiosis, 2016, 68, 87-98.	1.2	134
1423	Quorum quenching: role in nature and applied developments. FEMS Microbiology Reviews, 2016, 40, 86-116.	3.9	493
1424	SigMol: repertoire of quorum sensing signaling molecules in prokaryotes. Nucleic Acids Research, 2016, 44, D634-D639.	6.5	100
1425	<i>Vibrio variabilis</i> T01: A tropical marine bacterium exhibiting unique N-acyl homoserine lactone production. Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences, 2016, 9, 17-23.	1.1	2
1426	Environmental factors that shape biofilm formation. Bioscience, Biotechnology and Biochemistry, 2016, 80, 7-12.	0.6	248
1427	An Effective Application of Bacteria Quorum Sensing and Circular Elimination in MOPSO. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017, 14, 56-63.	1.9	5
1428	Comparison of antifouling properties of native and invasive <i>Sargassum</i> (Fucales, Phaeophyceae) species. European Journal of Phycology, 2017, 52, 116-131.	0.9	20
1429	Biofouling control based on bacterial quorum quenching with a new application: Rotary microbial carrier frame. Journal of Membrane Science, 2017, 525, 116-124.	4.1	59

#	ARTICLE	IF	CITATIONS
1430	Quorum Sensing Regulators Are Required for Metabolic Fitness in <i>Vibrio parahaemolyticus</i> . <i>Infection and Immunity</i> , 2017, 85, .	1.0	30
1431	Characterization of LuxI and LuxR Protein Homologs of N-Acylhomoserine Lactone-Dependent Quorum Sensing System in <i>Pseudoalteromonas</i> sp. 520P1. <i>Marine Biotechnology</i> , 2017, 19, 1-10.	1.1	24
1432	Quorum-quenching limits quorum-sensing exploitation by signal-negative invaders. <i>Scientific Reports</i> , 2017, 7, 40126.	1.6	18
1433	Cross-species communication in bacterial world. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 187-190.	1.8	31
1434	Should the biofilm mode of life be taken into consideration for microbial biocontrol agents?. <i>Microbial Biotechnology</i> , 2017, 10, 719-734.	2.0	110
1435	Cutaneous wound biofilm and the potential for electrical stimulation in management of the microbiome. <i>Future Microbiology</i> , 2017, 12, 337-357.	1.0	13
1436	Effectiveness of a polyhexanide irrigation solution on methicillin-resistant <i>Staphylococcus aureus</i> biofilms in a porcine wound model. <i>International Wound Journal</i> , 2017, 14, 937-944.	1.3	44
1437	Quorum sensing by farnesol revisited. <i>Current Genetics</i> , 2017, 63, 791-797.	0.8	23
1438	Influence of multispecies biofilms of <i>Pseudomonas aeruginosa</i> and <i>Desulfovibrio vulgaris</i> on the corrosion of cast iron. <i>Corrosion Science</i> , 2017, 121, 94-104.	3.0	85
1439	ChIP-seq analysis of the LuxR-type regulator VjbR reveals novel insights into the <i>Brucella</i> virulence gene expression network. <i>Nucleic Acids Research</i> , 2017, 45, 5757-5769.	6.5	30
1440	Agriculturally important microbial biofilms: Present status and future prospects. <i>Journal of Basic Microbiology</i> , 2017, 57, 548-573.	1.8	114
1441	Characterization of the <i>in vitro</i> production of N-acyl homoserine lactones by cultivable bacteria inhabiting the sponge <i>Suberites domuncula</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2017, 97, 119-127.	0.4	3
1442	HqiA, a novel quorum-quenching enzyme which expands the AHL lactonase family. <i>Scientific Reports</i> , 2017, 7, 943.	1.6	54
1443	N-acylhomoserine lactone regulation of genes mediating motility and pathogenicity in <i>Pseudomonas syringae</i> pathovar <i>tabaci</i> 11528. <i>MicrobiologyOpen</i> , 2017, 6, e00440.	1.2	9
1444	Quorum Sensing Gene Regulation by LuxR/HapR Master Regulators in <i>Vibrios</i> . <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	111
1445	Increasing the soluble expression and crystallization of the <i>Escherichia coli</i> quorum-sensing protein LsrK. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 253-258.	0.4	3
1446	A Novel Quorum-Quenching N-Acylhomoserine Lactone Acylase from <i>Acidovorax</i> sp. Strain MR-S7 Mediates Antibiotic Resistance. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	43
1447	New bicyclic brominated furanones as potent autoinducer-2 quorum-sensing inhibitors against bacterial biofilm formation. <i>European Journal of Medicinal Chemistry</i> , 2017, 137, 76-87.	2.6	47

#	ARTICLE	IF	CITATIONS
1448	Quorum sensing signals enhance the electrochemical activity and energy recovery of mixed-culture electroactive biofilms. <i>Biosensors and Bioelectronics</i> , 2017, 97, 369-376.	5.3	103
1449	On (not) defining cognition. <i>Synthèse</i> , 2017, 194, 4233-4249.	0.6	51
1450	Editor's Highlight: Organophosphate Diazinon Altered Quorum Sensing, Cell Motility, Stress Response, and Carbohydrate Metabolism of Gut Microbiome. <i>Toxicological Sciences</i> , 2017, 157, 354-364.	1.4	33
1451	Histone-like protein H-NS as a negative regulator of quorum sensing systems in gram-negative bacteria. <i>Russian Journal of Genetics</i> , 2017, 53, 187-194.	0.2	1
1452	Calling All Hosts: Bacterial Communication In Situ. <i>CheM</i> , 2017, 2, 334-358.	5.8	37
1453	AI-2 quorum sensing negatively regulates rbf expression and biofilm formation in <i>Staphylococcus aureus</i> . <i>International Journal of Medical Microbiology</i> , 2017, 307, 257-267.	1.5	80
1455	Quorum sensing: Little talks for an effective bacterial coordination. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 1-11.	5.8	88
1456	Structure based virtual screening for identification of potential quorum sensing inhibitors against LasR master regulator in <i>Pseudomonas aeruginosa</i> . <i>Microbial Pathogenesis</i> , 2017, 107, 136-143.	1.3	34
1457	Inhibitory role of acyl homoserine lactones in hemolytic activity and viability of <i>Streptococcus pyogenes</i> M6 S165. <i>Scientific Reports</i> , 2017, 7, 44902.	1.6	11
1458	Evaluation of phytochemicals from medicinal plants of Myrtaceae family on virulence factor production by <i>Pseudomonas aeruginosa</i> . <i>Apmis</i> , 2017, 125, 482-490.	0.9	20
1459	Control of the pollution of antibiotic resistance genes in soils by quorum sensing inhibition. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5259-5267.	2.7	13
1460	Acyl homoserine lactone changes the abundance of proteins and the levels of organic acids associated with stationary phase in <i>Salmonella Enteritidis</i> . <i>Microbial Pathogenesis</i> , 2017, 102, 148-159.	1.3	15
1461	Gaia and her microbiome. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw247.	1.3	29
1462	Autoinduced AND Gate Controls Metabolic Pathway Dynamically in Response to Microbial Communities and Cell Physiological State. <i>ACS Synthetic Biology</i> , 2017, 6, 463-470.	1.9	32
1463	The role of wine and food polyphenols in oral health. <i>Trends in Food Science and Technology</i> , 2017, 69, 118-130.	7.8	33
1464	Rhizobacterial Biofilms: Diversity and Role in Plant Health. , 2017, , 145-162.		0
1465	A Cell-Free Biosensor for Detecting Quorum Sensing Molecules in <i>P.Âaeruginosa</i> -Infected Respiratory Samples. <i>ACS Synthetic Biology</i> , 2017, 6, 2293-2301.	1.9	130
1466	Transcription control engineering and applications in synthetic biology. <i>Synthetic and Systems Biotechnology</i> , 2017, 2, 176-191.	1.8	70

#	ARTICLE	IF	CITATIONS
1467	Natural Products as Platforms To Overcome Antibiotic Resistance. <i>Chemical Reviews</i> , 2017, 117, 12415-12474.	23.0	393
1468	Quorum sensing integrates environmental cues, cell density and cell history to control bacterial competence. <i>Nature Communications</i> , 2017, 8, 854.	5.8	129
1469	Membrane fouling induced by AHL-mediated soluble microbial product (SMP) formation by fouling-causing bacteria co-cultured with fouling-enhancing bacteria. <i>Scientific Reports</i> , 2017, 7, 8482.	1.6	19
1470	Exploring the Complexity of Macroalgal-Bacterial Interactions Through Interkingdom Signalling System. , 2017, , 301-315.		1
1471	Dipeptidyl peptidase IV and quorum sensing signaling in biofilm-related virulence of <i>Prevotella aurantiaca</i> . <i>Anaerobe</i> , 2017, 48, 152-159.	1.0	9
1472	Intercellular Communication via the <i>comX</i> -Inducing Peptide (XIP) of <i>Streptococcus mutans</i> . <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	22
1473	Maintenance of Microbial Cooperation Mediated by Public Goods in Single- and Multiple-Trait Scenarios. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	61
1474	Bifunctional quorum-quenching and antibiotic-acylase MacQ forms a 170-kDa capsule-shaped molecule containing spacer polypeptides. <i>Scientific Reports</i> , 2017, 7, 8946.	1.6	16
1475	Deficiency of quorum sensing system inhibits the resistance selection of <i>Pseudomonas aeruginosa</i> to ciprofloxacin and levofloxacin in vitro. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 10, 113-119.	0.9	7
1478	Positive Autoregulation of an Acyl-Homoserine Lactone Quorum-Sensing Circuit Synchronizes the Population Response. <i>MBio</i> , 2017, 8, .	1.8	23
1479	Interkingdom signaling in plant-microbe interactions. <i>Science China Life Sciences</i> , 2017, 60, 785-796.	2.3	30
1480	In silico analyses of conservational, functional and phylogenetic distribution of the LuxI and LuxR homologs in Gram-positive bacteria. <i>Scientific Reports</i> , 2017, 7, 6969.	1.6	32
1484	Molecular basis for the substrate specificity of quorum signal synthases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9092-9097.	3.3	58
1485	The Complex Quorum Sensing Circuitry of <i>Burkholderia thailandensis</i> Is Both Hierarchically and Homeostatically Organized. <i>MBio</i> , 2017, 8, .	1.8	21
1486	Progress in and promise of bacterial quorum sensing research. <i>Nature</i> , 2017, 551, 313-320.	13.7	880
1487	Autonomous control of metabolic state by a quorum sensing (QS)-mediated regulator for bisabolene production in engineered <i>E. coli</i> . <i>Metabolic Engineering</i> , 2017, 44, 325-336.	3.6	78
1488	High-throughput Screening of Small Molecule Inhibitors of the <i>Streptococcus</i> Quorum-sensing Signal Pathway. <i>Scientific Reports</i> , 2017, 7, 4029.	1.6	27
1489	Quorum sensing molecules production by nosocomial and soil isolates <i>Acinetobacter baumannii</i> . <i>Archives of Microbiology</i> , 2017, 199, 1325-1334.	1.0	21

#	ARTICLE	IF	CITATIONS
1490	Control of synthetic gene networks and its applications. <i>Quantitative Biology</i> , 2017, 5, 124-135.	0.3	2
1491	Biocides overview and applications in petroleum microbiology. , 2017, , 539-562.		10
1492	Acyl homoserine lactone-based quorum sensing stimulates biofilm formation by <i>Salmonella</i> Enteritidis in anaerobic conditions. <i>Archives of Microbiology</i> , 2017, 199, 475-486.	1.0	39
1493	Investigating on the Correlation Between Some Biological Activities of Marine Sponge-Associated Bacteria Extracts and Isolated Diketopiperazines. <i>Current Microbiology</i> , 2017, 74, 6-13.	1.0	10
1494	Crystal structure of <i>Pseudomonas aeruginosa</i> RsaL bound to promoter DNA reaffirms its role as a global regulator involved in quorum-sensing. <i>Nucleic Acids Research</i> , 2017, 45, 699-710.	6.5	34
1495	Coprinopsis cinerea intracellular lactonases hydrolyze quorum sensing molecules of Gram-negative bacteria. <i>Fungal Genetics and Biology</i> , 2017, 102, 49-62.	0.9	19
1496	Bactericidal, quorum quenching and anti-biofilm nanofactories: a new niche for nanotechnologists. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 525-540.	5.1	57
1497	Social interactions in bacterial cell-cell signaling. <i>FEMS Microbiology Reviews</i> , 2017, 41, 92-107.	3.9	106
1498	Fusaric acid and analogues as Gram-negative bacterial quorum sensing inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 1011-1020.	2.6	53
1499	Bacterial bioluminescence onset and quenching: a dynamical model for a quorum sensing-mediated property. <i>Royal Society Open Science</i> , 2017, 4, 171586.	1.1	9
1500	Factors influencing horizontal gene transfer in the intestine. <i>Animal Health Research Reviews</i> , 2017, 18, 153-159.	1.4	32
1501	Studies on mechanisms and prevention strategies of harmful algal blooms. <i>Nippon Suisan Gakkaishi</i> , 2017, 83, 314-324.	0.0	0
1502	Modeling Biofilms: From Genes to Communities. <i>Processes</i> , 2017, 5, 5.	1.3	9
1503	Characterization of N-Acyl Homoserine Lactones in <i>Vibrio tasmaniensis</i> LGP32 by a Biosensor-Based UHPLC-HRMS/MS Method. <i>Sensors</i> , 2017, 17, 906.	2.1	21
1504	Glyceryl trinitrate is a novel inhibitor of quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>African Health Sciences</i> , 2017, 16, 1109.	0.3	24
1505	Reduced Intracellular c-di-GMP Content Increases Expression of Quorum Sensing-Regulated Genes in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 451.	1.8	61
1506	Quorum Sensing and Quorum Quenching in the Mediterranean Seagrass <i>Posidonia oceanica</i> Microbiota. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	24
1507	The Social Life of <i>Aeromonas</i> through Biofilm and Quorum Sensing Systems. <i>Frontiers in Microbiology</i> , 2017, 8, 37.	1.5	86

#	ARTICLE	IF	CITATIONS
1508	The Biodiversity of the Microbiota Producing Heat-Resistant Enzymes Responsible for Spoilage in Processed Bovine Milk and Dairy Products. <i>Frontiers in Microbiology</i> , 2017, 8, 302.	1.5	106
1509	Negative Regulation of Violacein Biosynthesis in <i>Chromobacterium violaceum</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 349.	1.5	35
1510	New Insights into Pathogenic Vibrios Affecting Bivalves in Hatcheries: Present and Future Prospects. <i>Frontiers in Microbiology</i> , 2017, 8, 762.	1.5	102
1511	Large Diversity and Original Structures of Acyl-Homoserine Lactones in Strain MOLA 401, a Marine Rhodobacteraceae Bacterium. <i>Frontiers in Microbiology</i> , 2017, 8, 1152.	1.5	32
1512	Modulation of Inter-kingdom Communication by PhcBSR Quorum Sensing System in <i>Ralstonia solanacearum</i> Phylotype I Strain GMI1000. <i>Frontiers in Microbiology</i> , 2017, 8, 1172.	1.5	13
1513	Aii810, a Novel Cold-Adapted N-Acylhomoserine Lactonase Discovered in a Metagenome, Can Strongly Attenuate <i>Pseudomonas aeruginosa</i> Virulence Factors and Biofilm Formation. <i>Frontiers in Microbiology</i> , 2017, 8, 1950.	1.5	34
1514	Peptides as Quorum Sensing Molecules: Measurement Techniques and Obtained Levels In vitro and In vivo. <i>Frontiers in Neuroscience</i> , 2017, 11, 183.	1.4	121
1515	Reviewing Microbial Behaviors in Ecosystems Leading to a Natural Quorum Quenching Occurrence. <i>Brazilian Archives of Biology and Technology</i> , 2017, 60, .	0.5	2
1516	Reactionâ€“Diffusion Equations and Their Application on Bacterial Communication. <i>Handbook of Statistics</i> , 2017, , 55-91.	0.4	10
1517	Re-using biological devices: a model-aided analysis of interconnected transcriptional cascades designed from the bottom-up. <i>Journal of Biological Engineering</i> , 2017, 11, 50.	2.0	10
1518	Differential signal sensitivities can contribute to the stability of multispecies bacterial communities. <i>Biology Direct</i> , 2017, 12, 22.	1.9	4
1519	Research on Biofilm Formation Ability of Lactic Acid Bacteria under Different Conditions. <i>Advance Journal of Food Science and Technology</i> , 2017, 13, 77-82.	0.1	5
1520	Quorum sensing inhibitory activity of sub-inhibitory concentrations of β -lactams. <i>African Health Sciences</i> , 2017, 17, 199.	0.3	21
1521	Posttranslational isoprenylation of tryptophan in bacteria. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 338-346.	1.3	12
1522	What will membrane vesicles (MVs) bring to bacterial communication?. <i>Microbes and Environments</i> , 2017, 32, 185-187.	0.7	7
1523	Effect of Electric Fields on Biofilm Formation. , 2017, , .		0
1525	Quorum sensing system-regulated genes affect the spoilage potential of <i>Shewanella baltica</i> . <i>Food Research International</i> , 2018, 107, 1-9.	2.9	43
1526	Information transmission in microbial and fungal communication: from classical to quantum. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 491-502.	1.8	15

#	ARTICLE	IF	CITATIONS
1527	Two <i>rsaM</i> Homologues Encode Central Regulatory Elements Modulating Quorum Sensing in <i>Burkholderia thailandensis</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	10
1528	Switches induced by quorum sensing in a model of enzyme-loaded microparticles. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170945.	1.5	14
1529	Design and Synthesis of Imidazo[1,2- <i>a</i>]pyridines with Carboxamide Group Substitution and <i>In silico</i> Evaluation of their Interaction with a LuxR-type Quorum Sensing Receptor. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 1101-1111.	1.4	4
1530	A novel antifungal property for the <i>Bacillus licheniformis</i> ComX pheromone and its possible role in inter-kingdom cross-talk. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5197-5208.	1.7	15
1531	Simulation-Based Exploration of Quorum Sensing Triggered Resistance of Biofilms to Antibiotics. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 1736-1775.	0.9	16
1532	Novel <i>de novo</i> synthesized phosphate carrier compound ABA-PEG20k-Pi20 suppresses collagenase production in <i>Enterococcus faecalis</i> and prevents colonic anastomotic leak in an experimental model. <i>British Journal of Surgery</i> , 2018, 105, 1368-1376.	0.1	40
1533	Analysis of two quorum sensing-deficient isolates of <i>Pseudomonas aeruginosa</i> . <i>Microbial Pathogenesis</i> , 2018, 119, 162-169.	1.3	17
1534	Imidazole decreases the ampicillin resistance of an <i>Escherichia coli</i> strain isolated from a cow with mastitis by inhibiting the function of autoinducer 2. <i>Journal of Dairy Science</i> , 2018, 101, 3356-3362.	1.4	11
1535	Metaorganisms in extreme environments: do microbes play a role in organismal adaptation?. <i>Zoology</i> , 2018, 127, 1-19.	0.6	194
1536	Chitosan nanoencapsulation of flavonoids enhances their quorum sensing and biofilm formation inhibitory activities against an <i>E.coli</i> Top 10 biosensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 125-133.	2.5	44
1537	Quorum-sensing control of antibiotic resistance stabilizes cooperation in <i>Chromobacterium violaceum</i> . <i>ISME Journal</i> , 2018, 12, 1263-1272.	4.4	74
1538	Inhibition of <i>Streptococcus mutans</i> biofilm formation by extracts of <i>Tenacibaculum</i> sp. 20J, a bacterium with wide-spectrum quorum quenching activity. <i>Journal of Oral Microbiology</i> , 2018, 10, 1429788.	1.2	36
1539	Autoinducer2 affects trimethoprim-sulfamethoxazole susceptibility in avian pathogenic <i>Escherichia coli</i> dependent on the folate synthesis-associated pathway. <i>MicrobiologyOpen</i> , 2018, 7, e00582.	1.2	13
1540	Soil metagenome-derived 3-hydroxypalmitic acid methyl ester hydrolases suppress extracellular polysaccharide production in <i>Ralstonia solanacearum</i> . <i>Journal of Biotechnology</i> , 2018, 270, 30-38.	1.9	11
1541	Logic of two antagonizing intra-species quorum sensing systems in bacteria. <i>BioSystems</i> , 2018, 165, 88-98.	0.9	8
1542	Combination Therapy Strategy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Suppressing Multiple Quorum Sensing Pathways of <i>P. aeruginosa</i> . <i>Scientific Reports</i> , 2018, 8, 1155.	1.6	60
1544	Effects of low-level engineered nanoparticles on the quorum sensing of <i>Pseudomonas aeruginosa</i> PAO1. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7049-7058.	2.7	19
1545	N-Acyl-homoserine lactones and autoinducer-2-mediated quorum sensing during wastewater treatment. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1119-1130.	1.7	33

#	ARTICLE	IF	CITATIONS
1546	Nature to the natural rescue: Silencing microbial chats. <i>Chemico-Biological Interactions</i> , 2018, 280, 86-98.	1.7	32
1547	Quorum Sensing Disruption in <i>Vibrio harveyi</i> Bacteria by Clay Materials. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 40-44.	2.4	11
1548	The coronafacoyl phytotoxins: structure, biosynthesis, regulation and biological activities. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 649-666.	0.7	17
1549	Identification and chemical characterization of N-acyl-homoserine lactone quorum sensing signals across sponge species and time. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	13
1550	Role of Heat Shock Proteases in Quorum-Sensing-Mediated Regulation of Biofilm Formation by <i>Vibrio</i> Species. <i>MBio</i> , 2018, 9, .	1.8	23
1551	Stopping Autoinducer-2 Chatter by Means of an Indigenous Bacterium (<i>Acinetobacter</i> sp. DKY-1): A New Antibiofouling Strategy in a Membrane Bioreactor for Wastewater Treatment. <i>Environmental Science & Technology</i> , 2018, 52, 6237-6245.	4.6	37
1552	Identification of N-acyl homoserine lactone-degrading bacteria isolated from rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Applied Microbiology</i> , 2018, 125, 356-369.	1.4	23
1553	The expanding horizon of alkyl quinolone signalling and communication in polycellular interactomes. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	20
1554	Origin and evolution of quorum quenching technology for biofouling control in MBRs for wastewater treatment. <i>Journal of Membrane Science</i> , 2018, 554, 331-345.	4.1	132
1555	The production of aromatic alcohols in non-Saccharomyces wine yeast is modulated by nutrient availability. <i>Food Microbiology</i> , 2018, 74, 64-74.	2.1	56
1556	Strategies for combating bacterial biofilms: A focus on anti-biofilm agents and their mechanisms of action. <i>Virulence</i> , 2018, 9, 522-554.	1.8	874
1557	Attenuation of quorum-sensing-dependent virulence factors and biofilm formation by medicinal plants against antibiotic resistant <i>Pseudomonas aeruginosa</i> . <i>Journal of Traditional and Complementary Medicine</i> , 2018, 8, 170-177.	1.5	54
1558	Microbial interactions during sugar cane must fermentation for bioethanol production: does quorum sensing play a role?. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 231-244.	5.1	25
1559	Analogues of <i>Pseudomonas aeruginosa</i> signalling molecules to tackle infections. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 169-179.	1.5	34
1560	Functional roles of three cues that provide nonsynaptic modes of communication in the brain: electromagnetic field, oxygen, and carbon dioxide. <i>Journal of Neurophysiology</i> , 2018, 119, 356-368.	0.9	5
1561	The interactions of algae-bacteria symbiotic system and its effects on nutrients removal from synthetic wastewater. <i>Bioresource Technology</i> , 2018, 247, 44-50.	4.8	186
1562	Bioluminescence systems in environmental biosensors. , 2018, , 241-262.		8
1563	Engineering highly sensitive whole-cell mercury biosensors based on positive feedback loops from quorum-sensing systems. <i>Analyst</i> , The, 2018, 143, 630-634.	1.7	37

#	ARTICLE	IF	CITATIONS
1564	Metabolic uncouplers for controlling biomass accumulation in biological waste treatment systems. <i>Reviews in Environmental Science and Biotechnology</i> , 2018, 17, 1-18.	3.9	8
1565	Cell-Free and <i>In Vivo</i> Characterization of Lux, Las, and Rpa Quorum Activation Systems in <i>E. coli</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 752-755.	1.9	33
1566	Quorum Sensing. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	3
1567	Revealing strategies of quorum sensing in <i>Azospirillum brasilense</i> strains Ab-V5 and Ab-V6. <i>Archives of Microbiology</i> , 2018, 200, 47-56.	1.0	46
1568	A Bacterial Swarm Algorithm to Control Drug Release by Multi-Nanorobots. , 2018, , .		1
1569	Quorum Sensing in Microbes and their Function in Modulating Antibiotic Synthesis. , 2018, , 179-191.		1
1570	Role of interaction network topology in controlling microbial population in consortia. , 2018, , .		2
1571	The Effect of Quorum-Sensing and Efflux Pumps Interactions in <i>Pseudomonas aeruginosa</i> Against Photooxidative Stress. <i>Journal of Lasers in Medical Sciences</i> , 2018, 9, 161-167.	0.4	20
1572	Implication of Quorum Sensing System in Biofilm Formation and Virulence. , 2018, , .		1
1573	Quorum Sensing Complexity of the Gut Enterobacteria <i>Escherichia coli</i> and <i>Salmonella enterica</i> . , 2018, , 233-248.		1
1574	Quorum Sensing Systems and Persistence. , 2018, , 17-27.		0
1575	Cellular Signaling in Bacterial Biofilms. , 2018, , 81-109.		1
1576	Quorum Sensing and Its Role in <i>Agrobacterium</i> Mediated Gene Transfer. , 2018, , 259-275.		8
1577	Perspective of Quorum Sensing Mechanism in <i>Candida albicans</i> . , 2018, , 195-204.		1
1578	Comparative analysis and prediction of quorum-sensing peptides using feature representation learning and machine learning algorithms. <i>Briefings in Bioinformatics</i> , 2018, , .	3.2	60
1580	Quorum Sensing: Its Role in Rhamnolipid Production. , 2018, , 125-135.		2
1581	Control of <i>Aliivibrio fischeri</i> Luminescence and Decrease in Bioluminescence by Fungicides. <i>Biocontrol Science</i> , 2018, 23, 85-96.	0.2	4
1582	Modeling <i>Pseudomonas aeruginosa</i> inner plasma membrane in planktonic and biofilm modes. <i>Journal of Chemical Physics</i> , 2018, 149, 215102.	1.2	7

#	ARTICLE	IF	CITATIONS
1583	Mechanisms and Origin of Bacterial Bioluminescence. <i>Molecular Biology</i> , 2018, 52, 812-822.	0.4	5
1584	The spent culture supernatant of <i>Pseudomonas syringae</i> contains azelaic acid. <i>BMC Microbiology</i> , 2018, 18, 199.	1.3	13
1585	Modern Approaches in Synthetic Biology: Genome Editing, Quorum Sensing, and Microbiome Engineering. , 2018, , 189-205.		4
1586	Exploring the Links between Nucleotide Signaling and Quorum Sensing Pathways in Regulating Bacterial Virulence. <i>ACS Infectious Diseases</i> , 2018, 4, 1645-1655.	1.8	15
1587	Front-propagation in bacterial inter-colony communication. <i>Chaos</i> , 2018, 28, 106316.	1.0	4
1588	N-dodecanoyl-homoserine lactone influences the levels of thiol and proteins related to oxidation-reduction process in <i>Salmonella</i> . <i>PLoS ONE</i> , 2018, 13, e0204673.	1.1	15
1589	The MAP Kinase SsKpp2 Is Required for Mating/Filamentation in <i>Sporisorium scitamineum</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2555.	1.5	33
1591	Mechanistic understanding of cerium oxide nanoparticle-mediated biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 34765-34776.	2.7	11
1592	Synergy of N-(3-oxohexanoyl)-l-homoserine lactone and tryptophan-like outer extracellular substances in granular sludge dominated by aerobic ammonia-oxidizing bacteria. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10779-10789.	1.7	13
1593	Quorum sensing and quenching in membrane bioreactors: Opportunities and challenges for biofouling control. <i>Bioresource Technology</i> , 2018, 270, 656-668.	4.8	95
1594	Effects of quorum sensing inhibition on experimental periodontitis induced by mixed infection in mice. <i>European Journal of Oral Sciences</i> , 2018, 126, 449-457.	0.7	16
1595	<i>Pseudomonas aeruginosa</i> Quorum-Sensing and Type VI Secretion System Can Direct Interspecific Coexistence During Evolution. <i>Frontiers in Microbiology</i> , 2018, 9, 2287.	1.5	22
1596	High Prevalence of Quorum-Sensing and Quorum-Quenching Activity among Cultivable Bacteria and Metagenomic Sequences in the Mediterranean Sea. <i>Genes</i> , 2018, 9, 100.	1.0	37
1597	Profiles of quorum sensing (QS)-related sequences in phycospheric microorganisms during a marine dinoflagellate bloom, as determined by a metagenomic approach. <i>Microbiological Research</i> , 2018, 217, 1-13.	2.5	23
1598	Fluorescence change of <i>Fusobacterium nucleatum</i> due to <i>Porphyromonas gingivalis</i> . <i>Journal of Microbiology</i> , 2018, 56, 628-633.	1.3	3
1599	The <i>Pseudomonas aeruginosa</i> Orphan Quorum Sensing Signal Receptor QscR Regulates Global Quorum Sensing Gene Expression by Activating a Single Linked Operon. <i>MBio</i> , 2018, 9, .	1.8	53
1600	Small RNA-Based Regulation of Bacterial Quorum Sensing and Biofilm Formation. , 2018, , 283-304.		5
1601	Production of N-acyl homoserine lactones by <i>Chromobacterium haemolyticum</i> KM2 isolated from the river water in Malaysia. <i>Archives of Microbiology</i> , 2018, 200, 1135-1142.	1.0	7

#	ARTICLE	IF	CITATIONS
1602	Environmental Adaptability and Quorum Sensing: Iron Uptake Regulation during Biofilm Formation by <i>Paracoccus denitrificans</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	25
1603	Bacterial Quorum Sensing and Microbial Community Interactions. <i>MBio</i> , 2018, 9, .	1.8	364
1604	Quorum Sensing as Language of Chemical Signals. <i>Comprehensive Analytical Chemistry</i> , 2018, , 57-94.	0.7	6
1605	Nanoparticles as Quorum Sensing Inhibitor: Prospects and Limitations. , 2018, , 227-244.		9
1606	Chitosan encapsulation modulates the effect of trans -cinnamaldehyde on AHL-regulated quorum sensing activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 453-461.	2.5	18
1607	Draft genomes and reference transcriptomes extend the coding potential of the fish pathogen <i>Piscirickettsia salmonis</i> . <i>Electronic Journal of Biotechnology</i> , 2018, 33, 36-38.	1.2	6
1608	Focusing quorum sensing signalling by nano-magnetic assembly. <i>Environmental Microbiology</i> , 2018, 20, 2585-2597.	1.8	7
1609	Characterization of the Binding Sites for Bacterial Acyl Homoserine Lactones (AHLs) on Human Bitter Taste Receptors (T2Rs). <i>ACS Infectious Diseases</i> , 2018, 4, 1146-1156.	1.8	44
1610	Quorum sensing in rhizobia isolated from the spores of the mycorrhizal symbiont <i>Rhizophagus intraradices</i> . <i>Mycorrhiza</i> , 2018, 28, 773-778.	1.3	11
1611	Biofilms in the Spotlight: Detection, Quantification, and Removal Methods. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018, 17, 1261-1276.	5.9	100
1612	<i>luxR</i> Homolog-Linked Biosynthetic Gene Clusters in <i>Proteobacteria</i> . <i>MSystems</i> , 2018, 3, .	1.7	25
1613	Effect of β -lactones and β -lactams compounds on <i>Streptococcus mutans</i> biofilms. <i>Journal of Applied Oral Science</i> , 2018, 26, e20170065.	0.7	7
1614	Quorum-Quenching Bacteria Isolated From Red Sea Sediments Reduce Biofilm Formation by <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1354.	1.5	77
1615	Could Positive Feedback Enable Bacterial Pheromone Signaling To Coordinate Behaviors in Response to Heterogeneous Environmental Cues?. <i>MBio</i> , 2018, 9, .	1.8	11
1616	Therapeutic Targeting of the <i>Staphylococcus aureus</i> Accessory Gene Regulator (<i>agr</i>) System. <i>Frontiers in Microbiology</i> , 2018, 9, 55.	1.5	130
1617	In Silico Analysis of the Quorum Sensing Metagenome in Environmental Biofilm Samples. <i>Frontiers in Microbiology</i> , 2018, 9, 1243.	1.5	10
1618	Small RNA-Based Regulation of Bacterial Quorum Sensing and Biofilm Formation. <i>Microbiology Spectrum</i> , 2018, 6, .	1.2	27
1619	Quorum Sensing in <i>Pseudomonas savastanoi</i> pv. <i>savastanoi</i> and <i>Erwinia toletana</i> : Role in Virulence and Interspecies Interactions in the Olive Knot. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	16

#	ARTICLE	IF	CITATIONS
1620	Treatment of Biofilm Communities: An Update on New Tools from the Nanosized World. Applied Sciences (Switzerland), 2018, 8, 845.	1.3	22
1621	Genomic Diversity in the Endosymbiotic Bacterium <i>Rhizobium leguminosarum</i> . Genes, 2018, 9, 60.	1.0	22
1622	Nanoparticles for Signaling in Biodiagnosis and Treatment of Infectious Diseases. International Journal of Molecular Sciences, 2018, 19, 1627.	1.8	44
1623	Effect of quorum quenching bacteria on growth, virulence factors and biofilm formation of <i>Yersinia ruckeri</i> in vitro and an in vivo evaluation of their probiotic effect in rainbow trout. Journal of Fish Diseases, 2018, 41, 1429-1438.	0.9	20
1624	Quorum sensing intervened bacterial signaling: Pursuit of its cognizance and repression. Journal of Genetic Engineering and Biotechnology, 2018, 16, 239-252.	1.5	42
1625	Getting Bacteria in Shape: Synthetic Morphology Approaches for the Design of Efficient Microbial Cell Factories. Advanced Biology, 2018, 2, 1800111.	3.0	46
1626	Understanding the Connect of Quorum Sensing and CRISPR-Cas System: Potential Role in Biotechnological Applications. , 2018, , 231-247.		3
1627	An immune magnetic nano-assembly for specifically amplifying intercellular quorum sensing signals. Colloids and Surfaces B: Biointerfaces, 2018, 172, 197-206.	2.5	6
1628	Quorum Sensing and its Biotechnological Applications. , 2018, , .		6
1629	Quorum Sensing versus Quenching Bacterial Isolates Obtained from MBR Plants Treating Leachates from Municipal Solid Waste. International Journal of Environmental Research and Public Health, 2018, 15, 1019.	1.2	16
1630	Alternative Strategies to Regulate Quorum Sensing and Biofilm Formation of Pathogenic <i>Pseudomonas</i> by Quorum Sensing Inhibitors of Diverse Origins. , 2018, , 33-61.		5
1631	Enzymatic Quorum Quenching for Virulence Attenuation of Phytopathogenic Bacteria. , 2018, , 447-473.		2
1632	Competence inhibition by the XrpA peptide encoded within the <i>comX</i> gene of <i>Streptococcus mutans</i> . Molecular Microbiology, 2018, 109, 345-364.	1.2	19
1633	Fatty Acids as Mediators of Intercellular Signaling. , 2018, , 273-285.		0
1634	Effect of Quorum Sensing. Comprehensive Analytical Chemistry, 2018, , 95-116.	0.7	2
1635	Aerobic granulation technology: Laboratory studies to full scale practices. Journal of Cleaner Production, 2018, 197, 616-632.	4.6	49
1636	Antimicrobial and anti-quorum sensing properties and paint film usage of novel diazaborine-based copolymers. Journal of Applied Polymer Science, 2019, 136, 46907.	1.3	13
1637	Genetic diversity and phenotypic plasticity of AHL-mediated Quorum sensing in environmental strains of <i>Vibrio mediterranei</i> . ISME Journal, 2019, 13, 159-169.	4.4	10

#	ARTICLE	IF	CITATIONS
1638	Bacterial biofilms. , 2019, , 307-340.		13
1639	Comparative analysis of <i>Aliivibrio logei</i> luxR1 and luxR2 genes regulation in <i>Escherichia coli</i> cells. Archives of Microbiology, 2019, 201, 1415-1425.	1.0	8
1640	Soil Microbes Plants: Interactions and Ecological Diversity. , 2019, , 145-176.		5
1641	Advances in research on signal molecules regulating biofilms. World Journal of Microbiology and Biotechnology, 2019, 35, 130.	1.7	23
1642	Complex Signaling Networks Controlling Dynamic Molecular Changes in <i>Pseudomonas aeruginosa</i> Biofilm. Current Medicinal Chemistry, 2019, 26, 1979-1993.	1.2	30
1643	The critical role of biofilms in bacterial vascular plant pathogenesis. Plant Pathology, 2019, 68, 1439-1447.	1.2	18
1644	Expanding the Vocabulary of Peptide Signals in <i>Streptococcus mutans</i> . Frontiers in Cellular and Infection Microbiology, 2019, 9, 194.	1.8	16
1645	Identification and characterization of a LuxI/R-type quorum sensing system in <i>Pseudoalteromonas</i> . Research in Microbiology, 2019, 170, 243-255.	1.0	19
1646	Can Biofilm Be Reversed Through Quorum Sensing in <i>Pseudomonas aeruginosa</i> ?. Frontiers in Microbiology, 2019, 10, 1582.	1.5	66
1647	Tyrosol from marine Fungi, a novel Quorum sensing inhibitor against <i>Chromobacterium violaceum</i> and <i>Pseudomonas aeruginosa</i> . Bioorganic Chemistry, 2019, 91, 103140.	2.0	45
1648	Identification of Quorum-Sensing Molecules of N-Acyl-Homoserine Lactone in <i>Gluconacetobacter</i> Strains by Liquid Chromatography-Tandem Mass Spectrometry. Molecules, 2019, 24, 2694.	1.7	11
1649	Many plant pathogenic <i>Pseudomonas savastanoi</i> pv <i>glycinea</i> isolates possess an inactive quorum sensing ahLR gene via a point mutation. FEMS Microbiology Letters, 2019, 366, .	0.7	3
1650	Can community-based signalling behaviour in <i>Saccharomyces cerevisiae</i> be called quorum sensing? A critical review of the literature. FEMS Yeast Research, 2019, 19, .	1.1	20
1651	Differential Susceptibility of Catheter Biomaterials to Biofilm-Associated Infections and Their Remedy by Drug-Encapsulated Eudragit RL100 Nanoparticles. International Journal of Molecular Sciences, 2019, 20, 5110.	1.8	19
1652	Study on Antibacterial and Quorum-Sensing Inhibition Activities of <i>Cinnamomum camphora</i> Leaf Essential Oil. Molecules, 2019, 24, 3792.	1.7	41
1653	Intraspecies cell-cell communication in yeast. FEMS Yeast Research, 2019, 19, .	1.1	18
1654	<i>Vibrio parahaemolyticus</i> cqsA controls production of quorum sensing signal molecule 3-hydroxyundecan-4-one and regulates colony morphology. Journal of Microbiology, 2019, 57, 1105-1114.	1.3	10
1655	AidB, a Novel Thermostable N -Acylhomoserine Lactonase from the Bacterium <i>Bosea</i> sp. Applied and Environmental Microbiology, 2019, 85, .	1.4	28

#	ARTICLE	IF	CITATIONS
1656	Plant-Derived Inhibitors of AHL-Mediated Quorum Sensing in Bacteria: Modes of Action. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5588.	1.8	91
1657	<i>Pseudomonas aeruginosa</i> quorum sensing inhibition by clinical isolate <i>Delftia tsuruhatensis</i> 11304: involvement of N-octadecanoylhomoserine lactones. <i>Scientific Reports</i> , 2019, 9, 16465.	1.6	44
1658	A Quorum-Sensing Inhibitor Strain of <i>Vibrio alginolyticus</i> Blocks Qs-Controlled Phenotypes in <i>Chromobacterium violaceum</i> and <i>Pseudomonas aeruginosa</i> . <i>Marine Drugs</i> , 2019, 17, 494.	2.2	21
1659	Effect of the ultrastructure of chitosan nanoparticles in colloidal stability, quorum quenching and antibacterial activities. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 592-605.	5.0	10
1660	Probiotics and Psychobiotics: the Role of Microbial Neurochemicals. <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 1071-1085.	1.9	62
1661	Design, synthesis and evaluation of halogenated furanone derivatives as quorum sensing inhibitors in <i>Pseudomonas aeruginosa</i> . <i>European Journal of Pharmaceutical Sciences</i> , 2019, 140, 105058.	1.9	34
1662	New insight into bacterial social communication in natural host: Evidence for interplay of heterogeneous and unison quorum response. <i>PLoS Genetics</i> , 2019, 15, e1008395.	1.5	19
1663	Selection of reference genes for measuring the expression of <i>aiiO</i> in <i>Ochrobactrum quorumnocens</i> A44 using RT-qPCR. <i>Scientific Reports</i> , 2019, 9, 13129.	1.6	11
1664	Plant-Microbial Interactions Involving Quorum Sensing Regulation. <i>Microbiology</i> , 2019, 88, 523-533.	0.5	10
1665	Synthetic Switches and Regulatory Circuits in Plants. <i>Plant Physiology</i> , 2019, 179, 862-884.	2.3	53
1666	Reducing Quorum Sensing-Mediated Virulence Factor Expression and Biofilm Formation in <i>Hafnia alvei</i> by Using the Potential Quorum Sensing Inhibitor L-Carvone. <i>Frontiers in Microbiology</i> , 2018, 9, 3324.	1.5	28
1667	Integrated Genomic and Metabolomic Approach to the Discovery of Potential Anti-Quorum Sensing Natural Products from Microbes Associated with Marine Samples from Singapore. <i>Marine Drugs</i> , 2019, 17, 72.	2.2	16
1669	Genetic Features and Regulation of n-Alkane Metabolism in Bacteria. , 2019, , 521-542.		5
1670	LuxS/AI-2 system is involved in fluoroquinolones susceptibility in <i>Streptococcus suis</i> through overexpression of efflux pump SatAB. <i>Veterinary Microbiology</i> , 2019, 233, 154-158.	0.8	29
1671	Proline Increases Pigment Production to Improve Oxidative Stress Tolerance and Biocontrol Ability of <i>Metschnikowia citriensis</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1273.	1.5	15
1672	Small Is Mightyâ€”Chemical Communication Systems in <i>Pseudomonas aeruginosa</i> . <i>Annual Review of Microbiology</i> , 2019, 73, 559-578.	2.9	46
1673	<i>Staphylococcus aureus</i> Toxins: From Their Pathogenic Roles to Anti-virulence Therapy Using Natural Products. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 424-435.	1.4	15
1674	Phenotypic Heterogeneity in Bacterial Quorum Sensing Systems. <i>Journal of Molecular Biology</i> , 2019, 431, 4530-4546.	2.0	49

#	ARTICLE	IF	CITATIONS
1675	Quorum sensing in <i>Vibrio</i> spp.: the complexity of multiple signalling molecules in marine and aquatic environments. <i>Critical Reviews in Microbiology</i> , 2019, 45, 451-471.	2.7	29
1676	Quorum sensing: A molecular cell communication in bacterial cells. <i>Journal of Biomedical Sciences</i> , 2019, 5, 23-34.	0.5	1
1677	A comprehensive review of the antibacterial, antifungal and antiviral potential of essential oils and their chemical constituents against drug-resistant microbial pathogens. <i>Microbial Pathogenesis</i> , 2019, 134, 103580.	1.3	406
1678	The AGC Kinase SsAgc1 Regulates <i>Sporisorium scitamineum</i> Mating/Filamentation and Pathogenicity. <i>MSphere</i> , 2019, 4, .	1.3	12
1679	The Extracellular Protease AprX from <i>Pseudomonas</i> and its Spoilage Potential for UHT Milk: A Review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019, 18, 834-852.	5.9	60
1680	Relationship Between Quorum Sensing and Secretion Systems. <i>Frontiers in Microbiology</i> , 2019, 10, 1100.	1.5	176
1681	Conjugative transfer between <i>Rhizobium etli</i> endosymbionts inside the root nodule. <i>Environmental Microbiology</i> , 2019, 21, 3430-3441.	1.8	21
1682	Rhamnolipids: Pathways, Productivities, and Potential. , 2019, , 169-203.		8
1683	What plant roots know?. <i>Seminars in Cell and Developmental Biology</i> , 2019, 92, 126-133.	2.3	52
1684	Effect of Quercetin Rich Onion Extracts on Bacterial Quorum Sensing. <i>Frontiers in Microbiology</i> , 2019, 10, 867.	1.5	68
1685	The Chemical Language of Gram-Negative Bacteria. , 2019, , 3-28.		5
1686	Analytical Approaches for the Identification of Quorum Sensing Molecules. , 2019, , 29-53.		1
1687	Quorum Sensing in Marine Biofilms and Environments. , 2019, , 55-96.		16
1688	Quorum Sensing in Extremophiles. , 2019, , 97-123.		5
1689	Bacterial communication through membrane vesicles. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1599-1605.	0.6	37
1690	Farnesol altered morphogenesis and induced oxidative burst-related responses in <i>Rhizoctonia solani</i> AG1-IA. <i>Mycologia</i> , 2019, 111, 359-370.	0.8	6
1691	Multi-omics response of <i>Pannonibacter phragmitetus</i> BB to hexavalent chromium. <i>Environmental Pollution</i> , 2019, 249, 63-73.	3.7	65
1692	Complete Genome Sequence of the <i>Silicimonas algicola</i> Type Strain, a Representative of the Marine Roseobacter Group Isolated from the Cell Surface of the Marine Diatom <i>Thalassiosira delicatula</i> . <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	1

#	ARTICLE	IF	CITATIONS
1693	Behavioral heterogeneity in quorum sensing can stabilize social cooperation in microbial populations. <i>BMC Biology</i> , 2019, 17, 20.	1.7	37
1694	Insight into the Bacterial Endophytic Communities of Peach Cultivars Related to Crown Gall Disease Resistance. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	42
1695	Population divergence of <i>Pseudomonas aeruginosa</i> can lead to the coexistence with <i>Escherichia coli</i> in animal suppurative lesions. <i>Veterinary Microbiology</i> , 2019, 231, 169-176.	0.8	4
1696	Bacterial Bioluminescence: Light Emission in <i>Photobacterium phosphoreum</i> Is Not Under Quorum-Sensing Control. <i>Frontiers in Microbiology</i> , 2019, 10, 365.	1.5	34
1697	Bactericidal and Anti-Biofilm Activity of Ethanol Extracts Derived from Selected Medicinal Plants against <i>Streptococcus pyogenes</i> . <i>Molecules</i> , 2019, 24, 1165.	1.7	28
1698	<i>Vibrio cholerae</i> autoinducer-1 enhances the virulence of enteropathogenic <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2019, 9, 4122.	1.6	19
1699	Saline Environments as a Source of Potential Quorum Sensing Disruptors to Control Bacterial Infections: A Review. <i>Marine Drugs</i> , 2019, 17, 191.	2.2	28
1700	Analysis of <i>Bacillus cereus</i> cell viability, sublethal injury, and death induced by mild thermal treatment. <i>Journal of Food Safety</i> , 2019, 39, e12581.	1.1	12
1701	Microbes: Social Evolution. , 2019, , 651-660.		0
1702	Fungal and Bacterial Maize Kernel Interactions with the Vertically Transmitted Endophytic State of <i>Fusarium verticillioides</i> . , 2019, , 191-209.		2
1703	<i>Azospirillum brasilense</i> Az39, a model rhizobacterium with AHL quorum quenching capacity. <i>Journal of Applied Microbiology</i> , 2019, 126, 1850-1860.	1.4	11
1704	Comparative gene expression analysis of planktonic <i>Porphyromonas gingivalis</i> ATCC 33277 in the presence of a growing biofilm versus planktonic cells. <i>BMC Microbiology</i> , 2019, 19, 58.	1.3	25
1705	Characterization of a Carbon Monoxide-Activated Soluble Guanylate Cyclase from <i>Chlamydomonas reinhardtii</i> . <i>Biochemistry</i> , 2019, 58, 2250-2259.	1.2	11
1706	From <i>Staphylococcus aureus</i> gene regulation to its pattern formation. <i>Journal of Mathematical Biology</i> , 2019, 78, 2207-2234.	0.8	2
1708	Overlooked Broad-Host-Range Vector Particles in the Environment. , 2019, , 135-195.		1
1709	Identification of novel autoinducer-2 receptors in <i>Clostridia</i> reveals plasticity in the binding site of the LsrB receptor family. <i>Journal of Biological Chemistry</i> , 2019, 294, 4450-4463.	1.6	24
1710	Oxylipins mediate cell-to-cell communication in <i>Pseudomonas aeruginosa</i> . <i>Communications Biology</i> , 2019, 2, 66.	2.0	24
1711	A simple method for direct isolation of N-acyl-L-homoserine lactone mediated biofilm-forming rhizobacteria from roots. <i>Journal of Microbiological Methods</i> , 2019, 156, 34-39.	0.7	5

#	ARTICLE	IF	CITATIONS
1712	A LuxR family transcriptional regulator AniF promotes the production of anisomycin and its derivatives in <i>Streptomyces hygrospinosus</i> var. <i>beijingensis</i> . <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 40-48.	1.8	9
1713	Quorum-sensing-regulated virulence factors in <i>Pseudomonas aeruginosa</i> are affected by sub-lethal photodynamic inactivation. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 8-12.	1.3	12
1714	Positive Regulation of Spoilage Potential and Biofilm Formation in <i>Shewanella baltica</i> OS155 via Quorum Sensing System Composed of DKP and Orphan LuxRs. <i>Frontiers in Microbiology</i> , 2019, 10, 135.	1.5	17
1715	Involvement of Exogenous N-Acyl-Homoserine Lactones in Spoilage Potential of <i>Pseudomonas fluorescens</i> Isolated From Refrigerated Turbot. <i>Frontiers in Microbiology</i> , 2019, 10, 2716.	1.5	16
1716	Impact of Citral and Phloretin, Alone and in Combination, on Major Virulence Traits of <i>Streptococcus pyogenes</i> . <i>Molecules</i> , 2019, 24, 4237.	1.7	22
1717	Biofilms in Human Diseases: Treatment and Control. , 2019, , .		6
1718	Microbial Biofilm Membranes for Water Remediation and Photobiocatalysis. <i>ACS Symposium Series</i> , 2019, , 321-351.	0.5	10
1719	Significantly improved production of Welan gum by <i>Sphingomonas</i> sp. WG through a novel quorum-sensing-interfering dipeptide cyclo(L-Pro-L-Phe). <i>International Journal of Biological Macromolecules</i> , 2019, 126, 118-122.	3.6	14
1720	Molecular Communications in the Context of "Synthetic Cells" Research. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 43-50.	2.2	9
1721	Acyl thiourea derivatives: A study of crystallographic, bonding, biological and spectral properties. <i>Chemical Physics Letters</i> , 2019, 715, 64-71.	1.2	12
1722	Crystal structure of the <i>Vibrio cholerae</i> VqmA ligand-DNA complex provides insight into ligand-binding mechanisms relevant for drug design. <i>Journal of Biological Chemistry</i> , 2019, 294, 2580-5171.	1.6	18
1723	Designing quorum sensing inhibitors of <i>Pseudomonas aeruginosa</i> utilizing FabI: an enzymic drug target from fatty acid synthesis pathway. <i>3 Biotech</i> , 2019, 9, 40.	1.1	9
1724	Characterization of quorum sensing genes and N-acyl homoserine lactones in <i>Citrobacter amalonaticus</i> strain YG6. <i>Gene</i> , 2019, 684, 58-69.	1.0	9
1725	Modelling growth/no growth interface of <i>Zygosaccharomyces bailii</i> in simulated acid sauces as a function of natamycin, xanthan gum and sodium chloride concentrations. <i>Food Research International</i> , 2019, 116, 916-924.	2.9	7
1726	Anti-quorum sensing of <i>Galla chinensis</i> and <i>Coptis chinensis</i> on bacteria. <i>LWT - Food Science and Technology</i> , 2019, 101, 806-811.	2.5	5
1727	Targeting quorum sensing mechanism: An alternative anti-virulent strategy for the treatment of bacterial infections. <i>South African Journal of Botany</i> , 2019, 120, 81-86.	1.2	28
1728	Response of submerged macrophytes and leaf biofilms to the decline phase of <i>Microcystis aeruginosa</i> : Antioxidant response, ultrastructure, microbial properties, and potential mechanism. <i>Science of the Total Environment</i> , 2020, 699, 134325.	3.9	29
1729	Cold plasma to control biofilms on food and in the food-processing environment. , 2020, , 109-143.		4

#	ARTICLE	IF	CITATIONS
1730	Bioeconomy for Sustainable Development. , 2020, , .		70
1731	Identification potential inhibitors against the <i>Streptococcus quorum</i> -sensing signal pathway. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2965-2975.	2.0	1
1732	Beet (<i>Beta vulgaris</i>) and Leek (<i>Allium porrum</i>) Leaves as a Source of Bioactive Compounds with Anti-quorum Sensing and Anti-biofilm Activity. <i>Waste and Biomass Valorization</i> , 2020, 11, 4305-4313.	1.8	10
1733	Effect and mechanism of quorum sensing on horizontal transfer of multidrug plasmid RP4 in BAC biofilm. <i>Science of the Total Environment</i> , 2020, 698, 134236.	3.9	51
1734	Collective population effects in nonviral systems. , 2020, , 341-366.		0
1735	Annotation and quantification of N-acyl homoserine lactones implied in bacterial quorum sensing by supercritical-fluid chromatography coupled with high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2261-2276.	1.9	21
1736	Underlying mechanism of plantâ€“microbe crosstalk in shaping microbial ecology of the rhizosphere. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	29
1737	Endolichenic fungus, <i>Aspergillus quadrincinctus</i> of <i>Usnea longissima</i> inhibits quorum sensing and biofilm formation of <i>Pseudomonas aeruginosa</i> PAO1. <i>Microbial Pathogenesis</i> , 2020, 140, 103933.	1.3	15
1738	Chemistry and Enzymology Encoded by the Human Microbiome. , 2020, , 261-286.		0
1739	Acyl homoserine lactone based quorum sensing affects phenanthrene removal by <i>Novosphingobium pentaromativorans</i> US6-1 through altering cell surface properties. <i>International Biodeterioration and Biodegradation</i> , 2020, 147, 104841.	1.9	17
1740	Intracellular survival and innate immune evasion of <i>Burkholderia cepacia</i> : Improved understanding of quorum sensingâ€“controlled virulence factors, biofilm, and inhibitors. <i>Microbiology and Immunology</i> , 2020, 64, 87-98.	0.7	17
1741	iQSP: A Sequence-Based Tool for the Prediction and Analysis of Quorum Sensing Peptides Using Informative Physicochemical Properties. <i>International Journal of Molecular Sciences</i> , 2020, 21, 75.	1.8	61
1742	Silencing of Phytopathogen Communication by the Halotolerant PGPR <i>Staphylococcus Equorum</i> Strain EN21. <i>Microorganisms</i> , 2020, 8, 42.	1.6	19
1743	Quorum Sensing Controls Both Rhamnolipid and Polyhydroxyalkanoate Production in <i>Burkholderia thailandensis</i> Through <i>ScmR</i> Regulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 1033.	2.0	16
1744	Use of Plant Growth-Promoting Rhizobacteria in Maize and Sugarcane: Characteristics and Applications. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	91
1745	Screening of Bacterial Quorum Sensing Inhibitors in a <i>Vibrio fischeri</i> LuxR-Based Synthetic Fluorescent <i>E. coli</i> Biosensor. <i>Pharmaceuticals</i> , 2020, 13, 263.	1.7	6
1746	Cooperation and Cheating among Germinating Spores. <i>Current Biology</i> , 2020, 30, 4745-4752.e4.	1.8	15
1747	Oral delivery of bacteria: Basic principles and biomedical applications. <i>Journal of Controlled Release</i> , 2020, 327, 801-833.	4.8	55

#	ARTICLE	IF	CITATIONS
1748	Rich Repertoire of Quorum Sensing Protein Coding Sequences in CPR and DPANN Associated with Interspecies and Interkingdom Communication. <i>MSystems</i> , 2020, 5, .	1.7	14
1749	Quorum sensing systems as a new target to prevent biofilm-related oral diseases. <i>Oral Diseases</i> , 2022, 28, 307-313.	1.5	15
1750	Interkingdom signaling in plant-rhizomicrobiome interactions for sustainable agriculture. <i>Microbiological Research</i> , 2020, 241, 126589.	2.5	64
1751	Effects of quorum sensing on the biofilm formation and viable but non-culturable state. <i>Food Research International</i> , 2020, 137, 109742.	2.9	43
1752	Programming Living Glue Systems to Perform Autonomous Mechanical Repairs. <i>Matter</i> , 2020, 3, 2080-2092.	5.0	41
1753	Species-Specific Quorum Sensing Represses the Chitobiose Utilization Locus in <i>Vibrio cholerae</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	6
1754	Bacterial Quorum Sensing During Infection. <i>Annual Review of Microbiology</i> , 2020, 74, 201-219.	2.9	105
1755	Understanding of signaling molecule controlled anammox through regulating C/N ratio. <i>Bioresource Technology</i> , 2020, 315, 123863.	4.8	13
1756	<i>Pseudomonas aeruginosa</i> Biofilms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8671.	1.8	322
1757	PcsR2 Is a LuxR-Type Regulator That Is Upregulated on Wheat Roots and Is Unique to <i>Pseudomonas chlororaphis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 560124.	1.5	6
1758	Titanium for Orthopedic Applications: An Overview of Surface Modification to Improve Biocompatibility and Prevent Bacterial Biofilm Formation. <i>IScience</i> , 2020, 23, 101745.	1.9	115
1759	Quorum Sensing and Plant-Bacteria Interaction: Role of Quorum Sensing in the Rhizobacterial Community Colonization in the Rhizosphere. <i>ACS Symposium Series</i> , 2020, , 139-153.	0.5	4
1760	The Impact of Bacterial Quorum Sensing Signal Molecules on Animal Hosts: Paradigms and Perspectives. <i>ACS Symposium Series</i> , 2020, , 277-289.	0.5	0
1761	Benzyl isocyanate isolated from the leaves of <i>Psidium guajava</i> inhibits <i>Staphylococcus aureus</i> biofilm formation. <i>Biofouling</i> , 2020, 36, 1000-1017.	0.8	8
1762	Editorial overview: Paths of least resistance: surveillance, discovery, and innovation to address the other (antimicrobial resistance) pandemic. <i>Current Opinion in Microbiology</i> , 2020, 57, iii-v.	2.3	0
1763	Redox Electrochemistry to Interrogate and Control Biomolecular Communication. <i>IScience</i> , 2020, 23, 101545.	1.9	30
1764	The Roles of Microbial Cell-Cell Chemical Communication Systems in the Modulation of Antimicrobial Resistance. <i>Antibiotics</i> , 2020, 9, 779.	1.5	14
1765	Unraveling <i>Pseudomonas aeruginosa</i> and <i>Candida albicans</i> Communication in Coinfection Scenarios: Insights Through Network Analysis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 550505.	1.8	35

#	ARTICLE	IF	CITATIONS
1766	Pathogenicity and virulence regulation of <i>Vibrio cholerae</i> at the interface of host-gut microbiome interactions. <i>Virulence</i> , 2020, 11, 1582-1599.	1.8	28
1767	The LuxI/LuxR-Type Quorum Sensing System Regulates Degradation of Polycyclic Aromatic Hydrocarbons via Two Mechanisms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5548.	1.8	21
1768	Salmonella enterica Optimizes Metabolism After Addition of Acyl-Homoserine Lactone Under Anaerobic Conditions. <i>Frontiers in Microbiology</i> , 2020, 11, 1459.	1.5	11
1769	Mathematical Modeling Approaches for Assessing the Joint Toxicity of Chemical Mixtures Based on Luminescent Bacteria: A Systematic Review. <i>Frontiers in Microbiology</i> , 2020, 11, 1651.	1.5	14
1770	Assessment of quorum sensing effects of tyrosol on fermentative performance by chief ethnic fermentative yeasts from northeast India. <i>Journal of Applied Microbiology</i> , 2020, 131, 728-742.	1.4	6
1771	Enhanced detection of heavy metals using <i>Vibrio alginolyticus</i> PBR1 by optimizing luminescence medium through statistical modeling. <i>Environmental Sustainability</i> , 2020, 3, 437-452.	1.4	0
1772	Impact of N-Acyl-Homoserine Lactones, Quorum Sensing Molecules, on Gut Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 1827.	2.2	46
1773	Intercropping With Turmeric or Ginger Reduce the Continuous Cropping Obstacles That Affect <i>Pogostemon cablin</i> (Patchouli). <i>Frontiers in Microbiology</i> , 2020, 11, 579719.	1.5	46
1774	Cooperative pattern formation in multi-component bacterial systems through reciprocal motility regulation. <i>Nature Physics</i> , 2020, 16, 1152-1157.	6.5	44
1775	Targeting ESKAPE pathogens with anti-infective medicinal plants from the Greater Mpigi region in Uganda. <i>Scientific Reports</i> , 2020, 10, 11935.	1.6	36
1776	Antibiotic resistance related to biofilm formation in <i>Streptococcus suis</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8649-8660.	1.7	18
1777	Development and utilization of peptide-based quorum sensing modulators in Gram-positive bacteria. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7273-7290.	1.5	30
1778	Quorum sensing sets the stage for the establishment and vertical transmission of <i>Sodalis praecaptivus</i> in tsetse flies. <i>PLoS Genetics</i> , 2020, 16, e1008992.	1.5	11
1779	Do acute hepatopancreatic necrosis disease-causing PirAB ^{VP} toxins aggravate vibriosis?. <i>Emerging Microbes and Infections</i> , 2020, 9, 1919-1932.	3.0	16
1780	Cell-based and cell-free biocatalysis for the production of d-glucaric acid. <i>Biotechnology for Biofuels</i> , 2020, 13, 203.	6.2	13
1781	Mathematical analysis-based feasibility study of pre-emptive medicine for <i>Staphylococcus aureus</i> infectious disease: Early detection and antibiotic-free maintenance therapy. <i>BioSystems</i> , 2020, 198, 104238.	0.9	0
1782	Tackling Antimicrobial Resistance with Small Molecules Targeting LsrK: Challenges and Opportunities. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15243-15257.	2.9	21
1783	Developing a pathway-independent and full-autonomous global resource allocation strategy to dynamically switching phenotypic states. <i>Nature Communications</i> , 2020, 11, 5521.	5.8	27

#	ARTICLE	IF	CITATIONS
1784	The unexplored bacterial lifestyle on leaf surface. Brazilian Journal of Microbiology, 2020, 51, 1233-1240.	0.8	3
1785	Two-Component Biosensors: Unveiling the Mechanisms of Predictable Tunability. ACS Synthetic Biology, 2020, 9, 1328-1335.	1.9	11
1786	Effect of Quorum Sensing Inhibitor Agents against <i>Pseudomonas aeruginosa</i> . Russian Journal of Bioorganic Chemistry, 2020, 46, 149-164.	0.3	2
1787	Fluconazole resistance in <i>Candida albicans</i> is induced by <i>Pseudomonas aeruginosa</i> quorum sensing. Scientific Reports, 2020, 10, 7769.	1.6	33
1788	RRNPP-type quorum-sensing systems regulate solvent formation, sporulation and cell motility in <i>Clostridium saccharoperbutylacetonicum</i> . Biotechnology for Biofuels, 2020, 13, 84.	6.2	12
1789	Potential of a Quorum Quenching Bacteria Isolate <i>Ochrobactrum intermedium</i> D-2 Against Soft Rot Pathogen <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> . Frontiers in Microbiology, 2020, 11, 898.	1.5	33
1790	Screening of quorum-quenching bacteria associated with rhizosphere as biocontrol agents of <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> . Archives of Phytopathology and Plant Protection, 2020, 53, 509-523.	0.6	7
1791	Novel magnetic fluorescence probe based on carbon quantum dots-doped molecularly imprinted polymer for AHLs signaling molecules sensing in fish juice and milk. Food Chemistry, 2020, 328, 127063.	4.2	56
1792	Quorum sensing: the microbial linguistic. , 2020, , 233-250.		2
1793	Physiological Advantage of Phenotypic Heterogeneity in a Quorum-Sensing Population. Journal of the Indian Institute of Science, 2020, 100, 485-496.	0.9	1
1794	Biofilm and Quorum sensing mediated pathogenicity in <i>Pseudomonas aeruginosa</i> . Process Biochemistry, 2020, 96, 49-57.	1.8	94
1795	In silico bacteria evolve robust cooperation via complex quorum-sensing strategies. Scientific Reports, 2020, 10, 8628.	1.6	4
1796	LuxR Solos in the Plant Endophyte <i>Kosakonia</i> sp. Strain KO348. Applied and Environmental Microbiology, 2020, 86, .	1.4	8
1797	Review of Potential <i>Pseudomonas</i> Weaponry, Relevant to the <i>Pseudomonas</i> – <i>Aspergillus</i> Interplay, for the Mycology Community. Journal of Fungi (Basel, Switzerland), 2020, 6, 81.	1.5	32
1798	Nisin and acid resistance in <i>Salmonella</i> is enhanced by N-dodecanoyl-homoserine lactone. Microbial Pathogenesis, 2020, 147, 104320.	1.3	11
1799	Nutrient factor-dependent performance of bacterial quorum sensing system during population evolution. Archives of Microbiology, 2020, 202, 2181-2188.	1.0	0
1800	Ethnobotanical biosynthesis of gold nanoparticles and its downregulation of Quorum Sensing-linked <i>AhyR</i> gene in <i>Aeromonas hydrophila</i> . SN Applied Sciences, 2020, 2, 1.	1.5	12
1801	<i>Pseudomonas</i> Quinolone Signal molecule PQS behaves like a B Class inhibitor at the I _Q site of mitochondrial complex I. FASEB BioAdvances, 2020, 2, 188-202.	1.3	14

#	ARTICLE	IF	CITATIONS
1802	Corrosion Behavior of AISI 1045 Steel in Seawater in the Presence of <i>Flavobacterium</i> sp.. <i>Frontiers in Microbiology</i> , 2020, 11, 303.	1.5	7
1803	<i>Listeria</i> dynamics in a laboratory-scale food chain of mealworm larvae (<i>Tenebrio molitor</i>) intended for human consumption. <i>Food Control</i> , 2020, 114, 107246.	2.8	9
1804	Plant growth-promoting activity and quorum quenching-mediated biocontrol of bacterial phytopathogens by <i>Pseudomonas segetis</i> strain P6. <i>Scientific Reports</i> , 2020, 10, 4121.	1.6	69
1805	Quorum sensing: its role in microbial social networking. <i>Research in Microbiology</i> , 2020, 171, 159-164.	1.0	35
1806	Effects of Natural Products on Bacterial Communication and Network-Quorum Sensing. <i>BioMed Research International</i> , 2020, 2020, 1-10.	0.9	7
1807	Transition of a solitary to a biofilm community life style in bacteria: a survival strategy with division of labour. <i>International Journal of Developmental Biology</i> , 2020, 64, 259-265.	0.3	7
1808	Two hierarchical LuxR-LuxI type quorum sensing systems in <i>Novosphingobium</i> activate microcystin degradation through transcriptional regulation of the <i>mlr</i> pathway. <i>Water Research</i> , 2020, 183, 116092.	5.3	27
1809	<i>Erwinia carotovora</i> Quorum Sensing System Regulates Host-Specific Virulence Factors and Development Delay in <i>Drosophila melanogaster</i> . <i>MBio</i> , 2020, 11, .	1.8	9
1810	Co-metabolic degradation of tetrabromobisphenol A by <i>Pseudomonas aeruginosa</i> and its auto-poisoning effect caused during degradation process. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110919.	2.9	9
1811	Recent developments in social network disruption approaches to manage bacterial plant diseases. <i>Biological Control</i> , 2020, 150, 104376.	1.4	2
1812	Naringenin Inhibition of the <i>Pseudomonas aeruginosa</i> Quorum Sensing Response Is Based on Its Time-Dependent Competition With N-(3-Oxo-dodecanoyl)-L-homoserine Lactone for LasR Binding. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 25.	1.6	40
1813	The Chemistry and Biology of Bactobolin: A 10-Year Collaboration with Natural Product Chemist Extraordinaire Jon Clardy. <i>Journal of Natural Products</i> , 2020, 83, 738-743.	1.5	14
1815	Quorum sensing system: Target to control the spread of bacterial infections. <i>Microbial Pathogenesis</i> , 2020, 142, 104068.	1.3	58
1816	Controlling biofilms using synthetic biology approaches. <i>Biotechnology Advances</i> , 2020, 40, 107518.	6.0	31
1817	Quorum Sensing-Based Dual-Function Switch and Its Application in Solving Two Key Metabolic Engineering Problems. <i>ACS Synthetic Biology</i> , 2020, 9, 209-217.	1.9	36
1818	Small talk: chemical conversations with bacteria. <i>ChemTexts</i> , 2020, 6, 1.	1.0	0
1819	Quorum sensing molecule N-(3-oxododecanoyl)-L-homoserine lactone: An all-rounder in mammalian cell modification. <i>Journal of Oral Biosciences</i> , 2020, 62, 16-29.	0.8	21
1820	Resistance of bacteria, fungi, and parasites to antibiotics or natural substances of botanical origin. , 2020, , 339-354.		0

#	ARTICLE	IF	CITATIONS
1821	Peculiarities of biofilm formation by <i>Paracoccus denitrificans</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2427-2433.	1.7	8
1822	Evaluation of the biofilm formation of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> on human umbilical cord CD146+ stem cells and stem cell-based decellularized matrix. <i>Cell and Tissue Banking</i> , 2020, 21, 215-231.	0.5	3
1823	In vitro activity of AST-120 that suppresses indole signaling in <i>Escherichia coli</i> , which attenuates drug tolerance and virulence. <i>PLoS ONE</i> , 2020, 15, e0232461.	1.1	11
1824	More than Simple Parasites: the Sociobiology of Bacteriophages and Their Bacterial Hosts. <i>MBio</i> , 2020, 11, .	1.8	23
1825	System-Aufstellungen und ihre naturwissenschaftliche BegrÄ¼ndung. <i>Systemaufstellungen in Wissenschaft Und Praxis</i> , 2020, , .	0.0	4
1826	Quorum sensing inhibition and tobramycin acceleration in <i>Chromobacterium violaceum</i> by two natural cinnamic acid derivatives. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5025-5037.	1.7	39
1827	<i>Streptococcus pneumoniae</i> Elaborates Persistent and Prolonged Competent State during Pneumonia-Derived Sepsis. <i>Infection and Immunity</i> , 2020, 88, .	1.0	9
1828	A Novel <i>Legionella</i> Genomic Island Encodes a Copper-Responsive Regulatory System and a Single Icm/Dot Effector Protein Transcriptionally Activated by Copper. <i>MBio</i> , 2020, 11, .	1.8	7
1829	Construction and Analysis of Metagenome Library from Bacterial Community Associated with Toxic Dinoflagellate <i>Alexandrium tamiyavanichii</i> . , 2020, , .		0
1830	Involvement of membrane vesicles in long-chain-AHL delivery in <i>Paracoccus</i> species. <i>Environmental Microbiology Reports</i> , 2020, 12, 355-360.	1.0	2
1831	ScmR, a Global Regulator of Gene Expression, Quorum Sensing, pH Homeostasis, and Virulence in <i>Burkholderia thailandensis</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	18
1832	Repurposing anti-diabetic drug Sitaagliptin as a novel virulence attenuating agent in <i>Serratia marcescens</i> . <i>PLoS ONE</i> , 2020, 15, e0231625.	1.1	33
1833	Soil phyllosilicate and iron oxide inhibit the quorum sensing of <i>Chromobacterium violaceum</i> . <i>Soil Ecology Letters</i> , 2021, 3, 22-31.	2.4	3
1834	A review of quorum sensing improving partial nitrification-anammox process: Functions, mechanisms and prospects. <i>Science of the Total Environment</i> , 2021, 765, 142703.	3.9	40
1835	Molecular Aspects of Plant Growth Promotion and Protection by <i>Bacillus subtilis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 15-25.	1.4	134
1836	Microbial Small-Talk: Does Quorum Sensing Play a Role in Beer Fermentation?. <i>Journal of the American Society of Brewing Chemists</i> , 2021, 79, 231-239.	0.8	3
1837	Quorum sensing provides a molecular mechanism for evolution to tune and maintain investment in cooperation. <i>ISME Journal</i> , 2021, 15, 1236-1247.	4.4	18
1838	Characterization of a LuxR repressor for 3,17 ² -HSD in <i>Comamonas testosteroni</i> ATCC11996. <i>Chemico-Biological Interactions</i> , 2021, 336, 109271.	1.7	3

#	ARTICLE	IF	CITATIONS
1839	Quorum sensing: a new prospect for the management of antimicrobial-resistant infectious diseases. Expert Review of Anti-Infective Therapy, 2021, 19, 571-586.	2.0	24
1841	A Whole-Cell Biosensor for Point-of-Care Detection of Waterborne Bacterial Pathogens. ACS Synthetic Biology, 2021, 10, 333-344.	1.9	41
1842	Intelligent plant-microbe interactions. Archives of Agronomy and Soil Science, 2022, 68, 1002-1018.	1.3	3
1844	Short-chain reactive probes as tools to unravel the <i>Pseudomonas aeruginosa</i> quorum sensing regulon. Chemical Science, 2021, 12, 4570-4581.	3.7	6
1845	Molecular imaging of plant-microbe interactions on the <i>Brachypodium</i> seed surface. Analyst, The, 2021, 146, 5855-5865.	1.7	9
1846	The Less Expensive Choice: Bacterial Strategies to Achieve Successful and Sustainable Reciprocal Interactions. Frontiers in Microbiology, 2020, 11, 571417.	1.5	8
1847	Stressed out: Bacterial response to high salinity using compatible solute biosynthesis and uptake systems, lessons from Vibrionaceae. Computational and Structural Biotechnology Journal, 2021, 19, 1014-1027.	1.9	45
1848	AhaP, A Quorum Quenching Acylase from <i>Psychrobacter</i> sp. M9-54-1 That Attenuates <i>Pseudomonas aeruginosa</i> and <i>Vibrio coralliilyticus</i> Virulence. Marine Drugs, 2021, 19, 16.	2.2	8
1849	Natural molecules against QS-associated biofilm formation of pathogens. , 2021, , 317-348.		2
1850	CqsA/LuxS-HapR Quorum sensing circuit modulates type VI secretion system Vi-,T6SS2 in <i>Vibrio fluvialis</i> . Emerging Microbes and Infections, 2021, 10, 589-601.	3.0	14
1851	Microbial endophytes: evolution, diversity, community functions, and regulation. , 2021, , 1-14.		0
1852	Quorum Sensing: A Major Regulator of Fungal Development. , 2021, , 331-366.		2
1853	Alternative Therapies. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 160-182.	0.1	0
1854	Genomics and functional traits required for the successful use of biofertilizers. , 2021, , 45-56.		0
1855	Engineering Bafilomycin High-Producers by Manipulating Regulatory and Biosynthetic Genes in the Marine Bacterium <i>Streptomyces lohii</i> . Marine Drugs, 2021, 19, 29.	2.2	5
1856	Fungal volatile compounds: a source of novel in plant protection agents. , 2021, , 83-104.		2
1857	Microbial volatiles: small molecules with an important role in intra- and interbacterial genus interactions-quorum sensing. , 2021, , 35-50.		1
1858	Use of Quorum Sensing Inhibition Strategies to Control Microfouling. Marine Drugs, 2021, 19, 74.	2.2	5

#	ARTICLE	IF	CITATIONS
1859	Synthetic Lateral Inhibition in Periodic Pattern Forming Microbial Colonies. <i>ACS Synthetic Biology</i> , 2021, 10, 277-285.	1.9	13
1860	Inhibition of biofilm formation and quorum sensing mediated virulence in <i>Pseudomonas aeruginosa</i> by marine sponge symbiont <i>Brevibacterium casei</i> strain Alu 1. <i>Microbial Pathogenesis</i> , 2021, 150, 104693.	1.3	20
1861	Potential microbial functions and quorum sensing systems in partial nitrification and anammox processes. <i>Water Environment Research</i> , 2021, 93, 1562-1575.	1.3	5
1863	Microbiologically-Synthesized Nanoparticles and Their Role in Silencing the Biofilm Signaling Cascade. <i>Frontiers in Microbiology</i> , 2021, 12, 636588.	1.5	117
1864	Sorting out the Superbugs: Potential of Sortase A Inhibitors among Other Antimicrobial Strategies to Tackle the Problem of Antibiotic Resistance. <i>Antibiotics</i> , 2021, 10, 164.	1.5	19
1866	Extracellular Metabolism Sets the Table for Microbial Cross-Feeding. <i>Microbiology and Molecular Biology Reviews</i> , 2021, 85, .	2.9	58
1867	Simplified bacterial foraging optimization with quorum sensing for global optimization. <i>International Journal of Intelligent Systems</i> , 2021, 36, 2639-2679.	3.3	8
1868	A phage-encoded anti-activator inhibits quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular Cell</i> , 2021, 81, 571-583.e6.	4.5	80
1869	Oral biosciences: The annual review 2020. <i>Journal of Oral Biosciences</i> , 2021, 63, 1-7.	0.8	0
1870	Structural Characterization of LsrK as a Quorum Sensing Target and a Comparison between X-ray and Homology Models. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 1346-1353.	2.5	4
1871	LuxR Solos from Environmental Fluorescent <i>Pseudomonads</i> . <i>MSphere</i> , 2021, 6, .	1.3	8
1872	Quorum sensing-mediated protein degradation for dynamic metabolic pathway control in <i>Saccharomyces cerevisiae</i> . <i>Metabolic Engineering</i> , 2021, 64, 85-94.	3.6	33
1873	The virulence of <i>Salmonella Enteritidis</i> in <i>Galleria mellonella</i> is improved by N-dodecanoyl-homoserine lactone. <i>Microbial Pathogenesis</i> , 2021, 152, 104730.	1.3	12
1874	Improvement in calcified anaerobic granular sludge performance by exogenous acyl-homoserine lactones. <i>Ecotoxicology and Environmental Safety</i> , 2021, 210, 111874.	2.9	20
1876	Signs of biofilm formation in the genome of <i>Labrenzia</i> sp. PO1. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1900-1912.	1.8	9
1877	Deciphering bacterial social traits via diffusible signal factor (DSF) -mediated public goods in an anammox community. <i>Water Research</i> , 2021, 191, 116802.	5.3	29
1880	BIO-CONTROL ACTIVITY OF PLANT GROWTH PROMOTING RHIZOBACTERIA ON <i>SCLEROTIUM ROLFII</i> . <i>Plant Archives</i> , 2021, 21, .	0.1	2
1881	Mechanisms Used by Probiotics to Confer Pathogen Resistance to Teleost Fish. <i>Frontiers in Immunology</i> , 2021, 12, 653025.	2.2	36

#	ARTICLE	IF	CITATIONS
1882	Anti-Periprosthetic Infection Strategies: From Implant Surface Topographical Engineering to Smart Drug-Releasing Coatings. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20921-20937.	4.0	35
1883	Vertical and horizontal quorum-sensing-based multicellular communications. <i>Trends in Microbiology</i> , 2021, 29, 1130-1142.	3.5	17
1884	Genetically Programmable Microbial Assembly. <i>ACS Synthetic Biology</i> , 2021, 10, 1351-1359.	1.9	12
1885	Genomic characterization of bacteria from the ultra-oligotrophic Madison aquifer: insight into the archetypical LuxI/LuxR and identification of novel LuxR solos. <i>BMC Research Notes</i> , 2021, 14, 175.	0.6	3
1886	The DNA binding domain of the <i>Vibrio vulnificus</i> SmcR transcription factor is flexible and binds diverse DNA sequences. <i>Nucleic Acids Research</i> , 2021, 49, 5967-5984.	6.5	7
1887	A LysR Family Transcriptional Regulator Modulates <i>Burkholderia cenocepacia</i> Biofilm Formation and Protease Production. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0020221.	1.4	14
1888	Mimicking biofilm formation and development: Recent progress in <i>in vitro</i> and <i>in vivo</i> biofilm models. <i>IScience</i> , 2021, 24, 102443.	1.9	114
1889	Response of aerobic sludge to AHL-mediated QS: Granulation, simultaneous nitrogen and phosphorus removal performance. <i>Chinese Chemical Letters</i> , 2021, 32, 3402-3409.	4.8	24
1890	Attenuation of <i>Aeromonas hydrophila</i> Infection in <i>Carassius auratus</i> by YtnP, a N-acyl Homoserine Lactonase from <i>Bacillus licheniformis</i> T-1. <i>Antibiotics</i> , 2021, 10, 631.	1.5	8
1891	Tobramycin Adaptation Enhances Policing of Social Cheaters in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, e0002921.	1.4	12
1892	Extracellular riboflavin induces anaerobic biofilm formation in <i>Shewanella oneidensis</i> . <i>Biotechnology for Biofuels</i> , 2021, 14, 130.	6.2	25
1893	Linking the Diversity of Yeasts Inherent in Starter Cultures to Quorum Sensing Mechanism in Ethnic Fermented Alcoholic Beverages of Northeast India. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	2
1894	Friends or Foes? Microbial Interactions in Nature. <i>Biology</i> , 2021, 10, 496.	1.3	31
1895	Phloretin, an Apple Phytoalexin, Affects the Virulence and Fitness of <i>Pectobacterium brasiliense</i> by Interfering With Quorum-Sensing. <i>Frontiers in Plant Science</i> , 2021, 12, 671807.	1.7	13
1896	Harmful algal blooms and environmentally friendly control strategies in Japan. <i>Fisheries Science</i> , 2021, 87, 437-464.	0.7	26
1897	Quorum sensing inhibitory effect of bergamot oil and <i>Aspidosperma</i> extract against <i>Chromobacterium violaceum</i> and <i>Pseudomonas aeruginosa</i> . <i>Archives of Microbiology</i> , 2021, 203, 4663-4675.	1.0	10
1899	Virtual Screening and Biological Evaluation of Anti-Biofilm Agents Targeting LuxS in the Quorum Sensing System. <i>Natural Product Communications</i> , 2021, 16, 1934578X2110196.	0.2	3
1900	Transcriptome analysis expands the potential roles of quorum sensing in biodegradation and physiological responses to microcystin. <i>Science of the Total Environment</i> , 2021, 771, 145437.	3.9	18

#	ARTICLE	IF	CITATIONS
1902	Novel Bifunctional Acylase from <i>Actinoplanes utahensis</i> : A Versatile Enzyme to Synthesize Antimicrobial Compounds and Use in Quorum Quenching Processes. <i>Antibiotics</i> , 2021, 10, 922.	1.5	6
1903	Modulation of Quorum Sensing and Biofilms in Less Investigated Gram-Negative ESKAPE Pathogens. <i>Frontiers in Microbiology</i> , 2021, 12, 676510.	1.5	29
1904	Ultrasonic cavitation in the treatment of neuro-ischemic diabetic foot the presence of biofilm forms of bacteria (literature review). <i>Wounds and Wound Infections the Prof B M Kostyuchenok Journal</i> , 2021, 7, 20-30.	0.1	0
1905	Protein Model and Function Analysis in Quorum-Sensing Pathway of <i>Vibrio qinghaiensis</i> sp.-Q67. <i>Biology</i> , 2021, 10, 638.	1.3	5
1907	Plant growth promoting bacteria induce anti-quorum-sensing substances in chickpea legume seedling bioassay. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 1577-1595.	1.4	6
1909	Plant compounds and nonsteroidal anti-inflammatory drugs interfere with quorum sensing in <i>Chromobacterium violaceum</i> . <i>Archives of Microbiology</i> , 2021, 203, 5491-5507.	1.0	9
1910	Acidithiobacillus Its Application in Biomining Using a Quorum Sensing Modulation Approach. , 0, , .		1
1911	Heterocyclic Chemistry Applied to the Design of N-Acyl Homoserine Lactone Analogues as Bacterial Quorum Sensing Signals Mimics. <i>Molecules</i> , 2021, 26, 5135.	1.7	7
1912	Quorum sensing in <i>Aliivibrio wodanis</i> 06/09/139 and its role in controlling various phenotypic traits. <i>PeerJ</i> , 2021, 9, e11980.	0.9	2
1913	Quorum Sensing in Fungal Species. <i>Annual Review of Microbiology</i> , 2021, 75, 449-469.	2.9	34
1914	Mechanism of drug resistance in bacteria: efflux pump modulation for designing of new antibiotic enhancers. <i>Folia Microbiologica</i> , 2021, 66, 727-739.	1.1	10
1915	Quorum sensing systems and related virulence factors in <i>Pseudomonas aeruginosa</i> isolated from chicken meat and ground beef. <i>Scientific Reports</i> , 2021, 11, 15639.	1.6	13
1916	Interkingdom Signaling Interference: The Effect of Plant-Derived Small Molecules on Quorum Sensing in Plant-Pathogenic Bacteria. <i>Annual Review of Phytopathology</i> , 2021, 59, 153-190.	3.5	15
1917	Quinolone Signals Related to <i>Pseudomonas</i> Quinolone Signal-Quorum Sensing Inhibits the Predatory Activity of <i>Bdellovibrio bacteriovorus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 722579.	1.5	2
1918	LitR directly upregulates autoinducer synthesis and luminescence in <i>Aliivibrio logei</i> . <i>PeerJ</i> , 2021, 9, e12030.	0.9	4
1919	Biofilm regulation in <i>Clostridioides difficile</i> : Novel systems linked to hypervirulence. <i>PLoS Pathogens</i> , 2021, 17, e1009817.	2.1	21
1920	The production of bacterial cellulose in <i>Gluconacetobacter xylinus</i> regulated by luxR overexpression of quorum sensing system. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 7801-7811.	1.7	9
1921	First Metabolic Insights into Ex Vivo <i>Cryptosporidium parvum</i> -Infected Bovine Small Intestinal Explants Studied under Physioxia Conditions. <i>Biology</i> , 2021, 10, 963.	1.3	4

#	ARTICLE	IF	CITATIONS
1922	Amino acid divergence in the ligand-binding pocket of <i>Vibrio</i> LuxR/HapR proteins determines the efficacy of thiophenesulfonamide inhibitors. <i>Molecular Microbiology</i> , 2021, 116, 1173-1188.	1.2	8
1923	Brief history of biofertilizers in Brazil: from conventional approaches to new biotechnological solutions. <i>Brazilian Journal of Microbiology</i> , 2021, 52, 2215-2232.	0.8	14
1924	Falcarindiol Isolated from <i>Notopterygium incisum</i> Inhibits the Quorum Sensing of <i>Pseudomonas aeruginosa</i> . <i>Molecules</i> , 2021, 26, 5896.	1.7	10
1925	Non-Antimicrobial Adjuvant Strategies to Tackle Biofilm-Related <i>Staphylococcus aureus</i> Prosthetic Joint Infections. <i>Antibiotics</i> , 2021, 10, 1060.	1.5	7
1926	The evolution of strategy in bacterial warfare via the regulation of bacteriocins and antibiotics. <i>ELife</i> , 2021, 10, .	2.8	40
1928	Commensal inter-bacterial interactions shaping the microbiota. <i>Current Opinion in Microbiology</i> , 2021, 63, 158-171.	2.3	30
1929	Biological mechanism of alleviating membrane biofouling by porous spherical carriers in a submerged membrane bioreactor. <i>Science of the Total Environment</i> , 2021, 792, 148448.	3.9	7
1930	Systematic Design of a Quorum Sensing-Based Biosensor for the Detection of Metal Ions in <i>Escherichia coli</i> . , 2022, , 89-110.		0
1931	The role of antibiotics and heavy metals on the development, promotion, and dissemination of antimicrobial resistance in drinking water biofilms. <i>Chemosphere</i> , 2021, 282, 131048.	4.2	29
1932	Bisphenol A biodegradation by <i>Sphingonomas</i> sp. YK5 is regulated by acyl-homoserine lactone signaling molecules. <i>Science of the Total Environment</i> , 2022, 802, 149898.	3.9	15
1933	Quorum Sensing Enhances Nitrogen Uptake in Plant. <i>Soil Biology</i> , 2021, , 371-388.	0.6	1
1934	Benzo[<i>d</i>]thiazole-2-thiol bearing 2-oxo-2-substituted-phenylethan-1-yl as potent selective <i>lasB</i> quorum sensing inhibitors of Gram-negative bacteria. <i>RSC Advances</i> , 2021, 11, 28797-28808.	1.7	5
1935	The role of antibacterial coatings in the development of biomaterials. , 2021, , 1-36.		1
1936	Quorum sensing systems, related virulence factors, and biofilm formation in <i>Pseudomonas aeruginosa</i> isolated from fish. <i>Archives of Microbiology</i> , 2021, 203, 1519-1528.	1.0	7
1937	<i>Salmonella spp.</i>. quorum sensing: an overview from environmental persistence to host cell invasion. <i>AIMS Microbiology</i> , 2021, 7, 238-256.	1.0	23
1938	Synthesis of quaternary piperazine methacrylate homopolymers and their antibiofilm and anti-quorum sensing effects on pathogenic bacteria. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50466.	1.3	16
1940	LacZ -Based Detection of Acyl-Homoserine Lactone Quorum-Sensing Signals. <i>Current Protocols in Microbiology</i> , 2006, 3, Unit 1C.2.	6.5	18
1942	Detecting the Environment. , 2000, , 367-395.		6

#	ARTICLE	IF	CITATIONS
1943	Engineered communications for microbial robotics. Lecture Notes in Computer Science, 2001, , 1-16.	1.0	48
1944	Infections of Orthopaedic Implants and Devices. Springer Series on Biofilms, 2008, , 15.	0.0	2
1945	Quorum Sensing: Coordinating Group Behavior Through Intercellular Signals. , 2006, , 404-437.		2
1946	Novel and Future Treatment Strategies. , 2011, , 231-249.		1
1947	Life in the Rhizosphere. , 2004, , 403-430.		48
1948	Biosynthesis and Regulation of Anti-Fungal Metabolites by Pseudomonads. , 2004, , 637-670.		12
1949	Interactions between Agrobacterium Tumefaciens and Plant Cells. , 1998, , 207-229.		4
1950	Cell Division. , 1996, , 547-569.		8
1951	Regulation of Gene Expression in Stationary Phase. , 1996, , 571-583.		12
1952	Nonculturable Microorganisms in the Environment. , 2000, , .		134
1953	Systems Biology of Microbial Communities. Methods in Molecular Biology, 2009, 500, 469-494.	0.4	4
1954	Simulation Based Exploration of Bacterial Cross Talk Between Spatially Separated Colonies in a Multispecies Biofilm Community. Lecture Notes in Computer Science, 2020, , 228-241.	1.0	1
1955	Investigating the Quorum Sensing System in Halophilic Bacteria. Sustainable Development and Biodiversity, 2015, , 189-207.	1.4	4
1956	Genetic Features and Regulation of n-Alkane Metabolism in Bacteria. , 2017, , 1-21.		1
1957	The Molecular Genetics of Bioadhesion and Biofilm Formation. , 2006, , 21-40.		4
1958	Bacteriocins' Role in Bacterial Communication. , 2007, , 135-145.		6
1959	Quorum Sensing in Bacteria-Plant Interactions. Soil Biology, 2008, , 265-289.	0.6	17
1960	Genetic Features and Regulation of n-Alkane Metabolism. , 2010, , 1141-1154.		12

#	ARTICLE	IF	CITATIONS
1961	Rhizosphere Signals for Plant-Microbe Interactions: Implications for Field-Grown Plants. <i>Progress in Botany Fortschritte Der Botanik</i> , 2010, , 125-161.	0.1	11
1962	Quorum Sensing and Quorum Quenching in Soil Ecosystems. <i>Soil Biology</i> , 2011, , 339-367.	0.6	11
1963	Bioinoculants: Understanding Chickpea Rhizobia in Providing Sustainable Agriculture. , 2013, , 185-215.		2
1964	Fighting Plant Diseases Through the Application of Bacillus and Pseudomonas Strains. <i>Soil Biology</i> , 2013, , 165-193.	0.6	14
1965	Novel Targets for Treatment of Pseudomonas aeruginosa Biofilms. <i>Springer Series on Biofilms</i> , 2014, , 257-272.	0.0	1
1966	Genetics of Phytopathology: Phytopathogenic Bacteria. <i>Progress in Botany Fortschritte Der Botanik</i> , 1999, , 119-138.	0.1	7
1967	Regulation of Matrix Polymer in Biofilm Formation and Dispersion. , 1999, , 93-117.		27
1968	Chemical Communication Within Microbial Biofilms: Chemotaxis and Quorum Sensing in Bacterial Cells. , 1999, , 155-169.		11
1969	Quorum Sensing: Bacterial Cell-Cell Signalling from Bioluminescence to Pathogenicity. , 1998, , 185-207.		3
1970	Erwinia Chrysanthemi and Pseudomonas syringae: Plant Pathogens Trafficking in Extracellular Virulence Proteins. <i>Current Topics in Microbiology and Immunology</i> , 1994, 192, 43-78.	0.7	33
1971	Signals Involved in Nodulation and Nitrogen Fixation. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1995, , 37-48.	0.0	5
1972	Molecular Approaches to Studies of the Activities of Marine Organisms. , 1998, , 91-111.		4
1973	Conjugal Plasmids and Their Transfer. , 1998, , 199-233.		49
1974	Intra and Inter-Species Communication in Microbes: Living with Complex and Sociable Neighbors. , 2018, , 7-16.		8
1975	Quorum Sensing Regulated Swarming Motility and Migratory Behavior in Bacteria. , 2018, , 49-66.		7
1976	Quorum Sensing and Biofilm Formation in Pathogenic and Mutualistic Plant-Bacterial Interactions. , 2018, , 133-160.		7
1977	Biosynthesized Secondary Metabolites for Plant Growth Promotion. , 2020, , 217-250.		3
1978	Quorum Sensing and Multidrug Resistance Mechanism in Helicobacter pylori. , 2019, , 101-119.		4

#	ARTICLE	IF	CITATIONS
1979	Natural Inhibitors of Quorum-Sensing Factors: a Novel Strategy to Control Pathogenic Bacteria. <i>Revista Brasileira De Farmacognosia</i> , 2020, 30, 743-755.	0.6	6
1980	Specialized Metabolites for Bacterial Communication. , 2020, , 66-96.		1
1981	Global Physiological Controls. , 1995, 28, 9-63.		10
1982	Initiation of Bacterial Killing by Two-Component Sensing of a "Death Peptide", 2003, , 365-375.		1
1983	Physiological Role of Two-Component Signal Transduction Systems in Food-Associated Lactic Acid Bacteria. <i>Advances in Applied Microbiology</i> , 2017, 99, 1-51.	1.3	27
1985	Communication in bacteria. , 2008, , 11-32.		6
1986	The <i>Streptomyces coelicolor</i> A3(2) lipAR operon encodes an extracellular lipase and a new type of transcriptional regulator The GenBank accession numbers for the sequences described in this paper are AF009336 and U03114.. <i>Microbiology (United Kingdom)</i> , 1999, 145, 2365-2374.	0.7	28
1987	Transcription of <i>arcA</i> and <i>rpoS</i> during growth of <i>Salmonella typhimurium</i> under aerobic and microaerobic conditions. <i>Microbiology (United Kingdom)</i> , 2001, 147, 701-708.	0.7	30
1988	Quorum-sensing-dependent regulation of biosynthesis of the polyketide antibiotic mupirocin in <i>Pseudomonas fluorescens</i> NCIMB 10586 The GenBank accession numbers for the sequences determined in this work are AF318063 (<i>mupA</i>), AF318064 (<i>mupR</i>) and AF318065 (<i>mupI</i>).. <i>Microbiology (United Kingdom)</i> , 2001, 147, 2127-2139.	0.7	126
1989	Carbapenem antibiotic production in <i>Erwinia carotovora</i> is regulated by <i>CarR</i> , a homologue of the <i>LuxR</i> transcriptional activator. <i>Microbiology (United Kingdom)</i> , 1995, 141, 541-550.	0.7	170
1990	Evidence for cell-density-dependent regulation of catalase activity in <i>Rhizobium leguminosarum</i> bv. <i>phaseoli</i> . <i>Microbiology (United Kingdom)</i> , 1995, 141, 843-851.	0.7	27
1991	Furanone quorum-sensing inhibitors with potential as novel therapeutics against <i>Pseudomonas aeruginosa</i> . <i>Journal of Medical Microbiology</i> , 2020, 69, 195-206.	0.7	43
1992	<i>Pseudomonas aeruginosa</i> biofilm formation on endotracheal tubes requires multiple two-component systems. <i>Journal of Medical Microbiology</i> , 2020, 69, 906-919.	0.7	23
1993	Role of quorum sensing in the pathogenicity of <i>Burkholderia pseudomallei</i> . <i>Journal of Medical Microbiology</i> , 2004, 53, 1053-1064.	0.7	96
1994	Modulation of violacein production and phenotypes associated with biofilm by exogenous quorum sensing N-acylhomoserine lactones in the marine bacterium <i>Pseudoalteromonas ulvae</i> TC14. <i>Microbiology (United Kingdom)</i> , 2015, 161, 2039-2051.	0.7	38
1995	High intracellular c-di-GMP levels antagonize quorum sensing and virulence gene expression in <i>Burkholderia cenocepacia</i> H111. <i>Microbiology (United Kingdom)</i> , 2017, 163, 754-764.	0.7	34
1996	<i>PfmA</i> , a novel quorum-quenching N-acylhomoserine lactone acylase from <i>Pseudoalteromonas flavipulchra</i> . <i>Microbiology (United Kingdom)</i> , 2017, 163, 1389-1398.	0.7	24
1997	Microbial communication and virulence: lessons from evolutionary theory. <i>Microbiology (United Kingdom)</i> TJ ETQq1 1 0.784314 rgBT /Overlock 1	0.7	36

#	ARTICLE	IF	CITATIONS
2006	Plant-Pathogen Encounters in Edinburgh. <i>Plant Cell</i> , 1994, 6, 1332-1341.	3.1	6
2008	The A Factor Regulatory Cascade That Triggers Secondary Metabolism and Morphological Differentiation in <i>Streptomyces</i> . , 0, , 363-377.		3
2010	Two-Component Signal Transduction and Its Role in the Expression of Bacterial Virulence Factors. , 0, , 303-317.		25
2011	Intercellular Communication in Marine <i>Vibrio</i> Species: Density-Dependent Regulation of the Expression of Bioluminescence. , 0, , 431-445.		10
2012	A Signal Transduction Network in <i>Bacillus subtilis</i> Includes the DegS/DegU and ComP/ComA Two-Component Systems. , 0, , 447-471.		27
2013	Quorum Sensing in <i>Burkholderia</i> . , 0, , 40-57.		3
2014	Metabolism and Pathogenicity of <i>Pseudomonas aeruginosa</i> Infections in the Lungs of Individuals with Cystic Fibrosis. , 0, , 185-213.		6
2015	Regulation of the alginate biosynthesis gene <i>algC</i> in <i>Pseudomonas aeruginosa</i> during biofilm development in continuous culture. <i>Applied and Environmental Microbiology</i> , 1995, 61, 860-867.	1.4	331
2016	Inactivation of <i>rsmA</i> leads to overproduction of extracellular pectinases, cellulases, and proteases in <i>Erwinia carotovora</i> subsp. <i>carotovora</i> in the absence of the starvation/cell density-sensing signal, N-(3-oxohexanoyl)-L-homoserine lactone. <i>Applied and Environmental Microbiology</i> , 1995, 61, 1959-1967.	1.4	255
2017	Utility of microcosm studies for predicting phylloplane bacterium population sizes in the field. <i>Applied and Environmental Microbiology</i> , 1996, 62, 3413-3423.	1.4	29
2018	Differential Expression of Virulence Genes and Motility in <i>Ralstonia (Pseudomonas) solanacearum</i> during Exponential Growth. <i>Applied and Environmental Microbiology</i> , 1997, 63, 844-850.	1.4	82
2019	Conjugal Transfer but Not Quorum-Dependent <i>tra</i> Gene Induction of pTiC58 Requires a Solid Surface. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2798-2801.	1.4	10
2020	Production of Acylated Homoserine Lactones by Psychrotrophic Members of the <i>Enterobacteriaceae</i> Isolated from Foods. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3458-3463.	1.4	91
2021	Characterization of elastase-deficient clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Infection and Immunity</i> , 1996, 64, 3154-3160.	1.0	51
2022	The <i>Pseudomonas aeruginosa</i> Quorum-Sensing Signal Molecule N-(3-Oxododecanoyl)-L-homoserine Lactone Has Immunomodulatory Activity. <i>Infection and Immunity</i> , 1998, 66, 36-42.	1.0	386
2023	<i>Pseudomonas aeruginosa</i> Quorum-Sensing Signal Molecule N-(3-Oxododecanoyl)-L-homoserine Lactone Inhibits Expression of P2Y Receptors in Cystic Fibrosis Tracheal Gland Cells. <i>Infection and Immunity</i> , 1999, 67, 5076-5082.	1.0	49
2024	Quorum Sensing-Dependent Regulation and Blockade of Exoprotease Production in <i>Aeromonas hydrophila</i> . <i>Infection and Immunity</i> , 1999, 67, 5192-5199.	1.0	232
2025	Chitinolytic Activity in <i>Chromobacterium violaceum</i> : Substrate Analysis and Regulation by Quorum Sensing. <i>Journal of Bacteriology</i> , 1998, 180, 4435-4441.	1.0	199

#	ARTICLE	IF	CITATIONS
2026	Extracellular Signal Molecule(s) Involved in the Carbon Starvation Response of Marine <i>Vibrio</i> sp. Strain S14. <i>Journal of Bacteriology</i> , 1998, 180, 201-209.	1.0	46
2027	Characterization of <i>Proteus mirabilis</i> Precocious Swarming Mutants: Identification of <i>rsbA</i> , Encoding a Regulator of Swarming Behavior. <i>Journal of Bacteriology</i> , 1998, 180, 6126-6139.	1.0	108
2028	Genetic and Sequence Analysis of the pTiC58 trb Locus, Encoding a Mating-Pair Formation System Related to Members of the Type IV Secretion Family. <i>Journal of Bacteriology</i> , 1998, 180, 6164-6172.	1.0	64
2029	Two Separate Regulatory Systems Participate in Control of Swarming Motility of <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 1998, 180, 742-745.	1.0	91
2030	<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> . <i>Journal of Bacteriology</i> , 1998, 180, 815-821.	1.0	108
2031	MppA, a Periplasmic Binding Protein Essential for Import of the Bacterial Cell Wall Peptide <i>scpA</i> -Alanyl- ¹³ C- <i>scpD</i> -Glutamyl- <i>meso</i> -Diaminopimelate. <i>Journal of Bacteriology</i> , 1998, 180, 1215-1223.	1.0	92
2032	Essential Components of the Ti Plasmidtrb System, a Type IV Macromolecular Transporter. <i>Journal of Bacteriology</i> , 1999, 181, 5033-5041.	1.0	51
2033	A Second Operator Is Involved in <i>Pseudomonas aeruginosa</i> Elastase (<i>lasB</i>) Activation. <i>Journal of Bacteriology</i> , 1999, 181, 6264-6270.	1.0	38
2034	<i>Providencia stuartii</i> Genes Activated by Cell-to-Cell Signaling and Identification of a Gene Required for Production or Activity of an Extracellular Factor. <i>Journal of Bacteriology</i> , 1999, 181, 7185-7191.	1.0	62
2035	Cell Density-Dependent Starvation Survival of <i>Rhizobium leguminosarum</i> bv. phaseoli: Identification of the Role of an N- Acyl Homoserine Lactone in Adaptation to Stationary-Phase Survival. <i>Journal of Bacteriology</i> , 1999, 181, 981-990.	1.0	70
2036	Surface Motility of <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 1999, 181, 1703-1712.	1.0	188
2037	Reflections on the History of Microbial Chemical Ecology. <i>Microbe Magazine</i> , 2010, 5, 201-205.	0.4	1
2038	Molecular biology of the symbiotic-pathogenic bacteria <i>Xenorhabdus</i> spp. and <i>Photorhabdus</i> spp. <i>Microbiological Reviews</i> , 1996, 60, 21-43.	10.1	267
2039	Flow cytometry and cell sorting of heterogeneous microbial populations: the importance of single-cell analyses. <i>Microbiological Reviews</i> , 1996, 60, 641-696.	10.1	700
2040	Bacterial communication and group behavior. <i>Journal of Clinical Investigation</i> , 2003, 112, 1288-1290.	3.9	86
2041	The application of biofilm science to the study and control of chronic bacterial infections. <i>Journal of Clinical Investigation</i> , 2003, 112, 1466-1477.	3.9	540
2042	Bacterial communication and group behavior. <i>Journal of Clinical Investigation</i> , 2003, 112, 1288-1290.	3.9	50
2043	Interspecies communication in bacteria. <i>Journal of Clinical Investigation</i> , 2003, 112, 1291-1299.	3.9	463

#	ARTICLE	IF	CITATIONS
2044	The application of biofilm science to the study and control of chronic bacterial infections. <i>Journal of Clinical Investigation</i> , 2003, 112, 1466-1477.	3.9	326
2045	Chemical Signals in the Rhizosphere. <i>Books in Soils, Plants, and the Environment</i> , 2007, , 297-330.	0.1	3
2046	Differentiation of African trypanosomes is controlled by a density sensing mechanism which signals cell cycle arrest via the cAMP pathway. <i>Journal of Cell Science</i> , 1997, 110, 2661-2671.	1.2	291
2047	Individuality, phenotypic differentiation, dormancy and "persistence"™ in culturable bacterial systems: commonalities shared by environmental, laboratory, and clinical microbiology. <i>F1000Research</i> , 2015, 4, 179.	0.8	46
2048	Individuality, phenotypic differentiation, dormancy and "persistence"™ in culturable bacterial systems: commonalities shared by environmental, laboratory, and clinical microbiology. <i>F1000Research</i> , 2015, 4, 179.	0.8	49
2049	Exploring the Molecular Basis of Host-Microbial Interactions in the GI Tract. <i>Bioscience and Microflora</i> , 2002, 21, 83-97.	0.5	3
2050	Interference of Quorum Sensing by <i>Delftia</i> sp. VM4 Depends on the Activity of a Novel N-Acylhomoserine Lactone-Acylase. <i>PLoS ONE</i> , 2015, 10, e0138034.	1.1	1
2051	Integration of Metabolic and Quorum Sensing Signals Governing the Decision to Cooperate in a Bacterial Social Trait. <i>PLoS Computational Biology</i> , 2015, 11, e1004279.	1.5	50
2052	The Evolution of Quorum Sensing as a Mechanism to Infer Kinship. <i>PLoS Computational Biology</i> , 2016, 12, e1004848.	1.5	55
2053	Pneumococcal Competence Coordination Relies on a Cell-Contact Sensing Mechanism. <i>PLoS Genetics</i> , 2016, 12, e1006113.	1.5	54
2054	Proteomic and Physiological Responses of <i>Kineococcus radiotolerans</i> to Copper. <i>PLoS ONE</i> , 2010, 5, e12427.	1.1	19
2055	ExpI and PhzI Are Descendants of the Long Lost Cognate Signal Synthase for SdiA. <i>PLoS ONE</i> , 2012, 7, e47720.	1.1	20
2056	Autoinducers Act as Biological Timers in <i>Vibrio harveyi</i> . <i>PLoS ONE</i> , 2012, 7, e48310.	1.1	57
2057	Coordination of the Arc Regulatory System and Pheromone-Mediated Positive Feedback in Controlling the <i>Vibrio fischeri</i> lux Operon. <i>PLoS ONE</i> , 2012, 7, e49590.	1.1	27
2058	Quorum Sensing Signal Synthesis May Represent a Selective Advantage Independent of Its Role in Regulation of Bioluminescence in <i>Vibrio fischeri</i> . <i>PLoS ONE</i> , 2013, 8, e67443.	1.1	9
2059	ComQXPA Quorum Sensing Systems May Not Be Unique to <i>Bacillus subtilis</i> : A Census in Prokaryotic Genomes. <i>PLoS ONE</i> , 2014, 9, e96122.	1.1	39
2060	Affecting <i>Pseudomonas aeruginosa</i> Phenotypic Plasticity by Quorum Sensing Dysregulation Hampers Pathogenicity in Murine Chronic Lung Infection. <i>PLoS ONE</i> , 2014, 9, e112105.	1.1	8
2061	Regulation of Coronafacoyl Phytotoxin Production by the PAS-LuxR Family Regulator CfaR in the Common Scab Pathogen <i>Streptomyces scabies</i> . <i>PLoS ONE</i> , 2015, 10, e0122450.	1.1	20

#	ARTICLE	IF	CITATIONS
2062	Multi-Faceted Characterization of a Novel LuxR-Repressible Promoter Library for Escherichia coli. PLoS ONE, 2015, 10, e0126264.	1.1	19
2063	Effect of Cinnamon Oil on Quorum Sensing-Controlled Virulence Factors and Biofilm Formation in Pseudomonas aeruginosa. PLoS ONE, 2015, 10, e0135495.	1.1	109
2064	Interference of Quorum Sensing by Delftia sp. VM4 Depends on the Activity of a Novel N-Acylhomoserine Lactone-Acylase. PLoS ONE, 2015, 10, e0138034.	1.1	23
2065	Natural Guided Genome Engineering Reveals Transcriptional Regulators Controlling Quorum-Sensing Signal Degradation. PLoS ONE, 2015, 10, e0141718.	1.1	11
2066	Analyzing the Transcriptomes of Two Quorum-Sensing Controlled Transcription Factors, RcsA and LrhA, Important for Pantoea stewartii Virulence. PLoS ONE, 2015, 10, e0145358.	1.1	19
2067	The pneumococcal social network. PLoS Pathogens, 2020, 16, e1008931.	2.1	15
2070	Bacterial RNA as a signal to eukaryotic cells as part of the infection process. Discoveries, 2016, 4, e70.	1.5	8
2071	Cell density-correlated induction of pyruvate decarboxylase under aerobic conditions in the yeast pichia stipitis. Acta Biologica Hungarica, 2001, 52, 265-269.	0.7	6
2072	Immunization with 3-oxododecanoyl-L-homoserine lactone-r-PcrV conjugate enhances survival of mice against lethal burn infections caused by Pseudomonas aeruginosa. Bosnian Journal of Basic Medical Sciences, 2015, 15, 15-24.	0.6	16
2073	Quenching of acyl-homoserine lactone-dependent quorum sensing by enzymatic disruption of signal molecules.. Acta Biochimica Polonica, 2009, 56, .	0.3	154
2074	Next Generation Biofilm Inhibitors for Pseudomonas aeruginosa: Synthesis and Rational Design Approaches. Current Topics in Medicinal Chemistry, 2013, 14, 81-109.	1.0	29
2075	Hormonal control by A-factor of morphological development and secondary metabolism in Streptomyces. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2007, 83, 277-95.	1.6	32
2076	Quorum Sensing within the Gut Ecosystem. Microbial Ecology in Health and Disease, 2000, 12, .	3.8	6
2078	N-Tetradecanoyl Homoserine Lactone, Signaling Compound for Quorum Sensing, Inhibits Porphyromonas gingivalis Growth. Research Journal of Microbiology, 2006, 1, 353-359.	0.2	8
2079	Quorum sensing and Bacterial Pathogenicity: From Molecules to Disease. Journal of Laboratory Physicians, 2011, 3, 004-011.	0.4	140
2080	Inhibition of Quorum Sensing Activity by Ethanol Extract of Scutellaria baicalensis Georgi. Journal of Plant Pathology & Microbiology, 2012, 09, .	0.3	5
2082	Disease-resistant Transgenic Arabidopsis Carrying the expl Gene from Pectobacterium carotovorum subsp. carotovorum SL940. Plant Pathology Journal, 2008, 24, 183-190.	0.7	3
2083	Virulence Attenuation of Pectobacterium carotovorum Using N-Acyl-homoserine Lactone Degrading Bacteria Isolated from Potato Rhizosphere. Plant Pathology Journal, 2011, 27, 242-248.	0.7	29

#	ARTICLE	IF	CITATIONS
2084	RNAseq-based Transcriptome Analysis of Burkholderia glumae Quorum Sensing. Plant Pathology Journal, 2013, 29, 249-259.	0.7	14
2085	Disruption of Bacterial cell-to-cell communication (Quorum Sensing): A Promising Novel Way to Combat Bacteria-Mediated Diseases. Journal of Marmara University Institute of Health Sciences, 2013, , 1.	0.1	3
2086	Patents on antivirulence therapies. World Journal of Pharmacology, 2014, 3, 97.	1.3	3
2087	Gas Chromathography as a Tool in Quorum Sensing Studies. , 0, , .		2
2088	Isolation and identification of N-acylhomoserin lactone degrading bacteria from potato rhizosphere. African Journal of Microbiology Research, 2011, 5, .	0.4	1
2089	Paenibacillus sp., as a promising candidate for development of a novel technology of inoculant production. Biopolymers and Cell, 2005, 21, 312-318.	0.1	8
2090	Modeling And Simulation Of Caenorhabditis elegans Chemotaxis In Response To A Dynamic Engineered Bacteria. , 2015, , .		2
2091	Genome sequencing-assisted identification and the first functional validation of N-acyl-homoserine-lactone synthases from the Sphingomonadaceae family. PeerJ, 2016, 4, e2332.	0.9	13
2092	Numerical investigation of microbial quorum sensing under various flow conditions. PeerJ, 2020, 8, e9942.	0.9	4
2093	Quorum Sensing and Interspecies Interactions in Stenotrophomonas maltophilia. British Microbiology Research Journal, 2013, 3, 414-422.	0.2	4
2094	Construction of protocell-based artificial signal transduction pathways. Chemical Communications, 2021, 57, 12754-12763.	2.2	6
2095	Regulatory Small RNA Qrr2 Is Expressed Independently of Sigma Factor-54 and Can Function as the Sole Qrr Small RNA To Control Quorum Sensing in Vibrio parahaemolyticus. Journal of Bacteriology, 2022, 204, JB0035021.	1.0	15
2096	Fis Connects Two Sensory Pathways, Quorum Sensing and Surface Sensing, to Control Motility in Vibrio parahaemolyticus. Frontiers in Microbiology, 2021, 12, 669447.	1.5	10
2098	Efficient nitrogen removal of mangrove constructed wetlands: Enhancing heterotrophic nitrification-aerobic denitrification microflora through quorum sensing. Chemical Engineering Journal, 2022, 430, 133048.	6.6	23
2099	pH-Induced Modulation of Vibrio fischeri Population Life Cycle. Chemosensors, 2021, 9, 283.	1.8	3
2100	Plant Growth-Promoting Rhizobacteria as a Green Alternative for Sustainable Agriculture. Sustainability, 2021, 13, 10986.	1.6	76
2101	Molecular and genetic aspects of external and internal colonization plants by beneficial bacteria. Biopolymers and Cell, 2001, 17, 20-28.	0.1	1
2102	Environmental Toxicity Assessment Using Luminescent Bacteria. , 2002, , 63-74.		1

#	ARTICLE	IF	CITATIONS
2104	Engineering Signal Processing in Cells: Towards Molecular Concentration Band Detection. Lecture Notes in Computer Science, 2003, , 61-72.	1.0	4
2105	Prokaryotic Intercellular Signalling. , 2004, , 27-71.		0
2106	Microbial Biofilms. , 2004, , .		1
2107	ã,ã,©ãf¼ãf ©ãfã,»ãf³ã,ãf³ã,°ã«è «ã,«ä¹³é...èĈEã©ç”ÿãee©ã,Šæ^ ç•¥. Japanese Journal of Lactic Acid Bacteria, 2006, 17, 12-23.		0
2108	Cellâ€“Cell Communication: Quorum Sensing and Regulatory Circuits in Pseudomonas aeruginosa. , 2007, , 279-310.		0
2109	Dialogues of root-colonizing biocontrol pseudomonads. , 2007, , 311-328.		0
2111	Effect of cell density and mutation on the expression of Rhi genes in Rhizobium leguminosarum biovar viciae. Current World Environment Journal, 2007, 2, 135-140.	0.2	0
2112	Input-dependent wave propagations in asymmetric cellular automata: Possible behaviors of feed-forward loop in biological reaction network. Mathematical Biosciences and Engineering, 2008, 5, 419-427.	1.0	0
2115	Intercellular Communication <i>Quorum Sensing</i> in Pathogenic Bacteria of the Genus <i>Yersinia</i>. Problemy Osobo Opasnykh Infektsii, 2009, , 54-59.	0.2	0
2116	Bioluminescence Insights and Quorum Sensibilities. Microbe Magazine, 2010, 5, 212-215.	0.4	1
2119	Role of the quorum-sensing system in biofilm formation and virulence of Aeromonas hydrophila. African Journal of Microbiology Research, 2011, 5, .	0.4	4
2120	Screening and isolating quorum sensing inhibitor from bacteria. African Journal of Microbiology Research, 2012, 6, .	0.4	1
2122	Construction of Recombinant Expression Vector of Anti-Bacterial Gene aiiA from Marine Bacterium. Lecture Notes in Electrical Engineering, 2013, , 225-232.	0.3	0
2123	Bone-Implant Interface in Biofilm-Associated Bone and Joint Infections. , 2014, , 239-253.		1
2124	Convergence Enhanced Multi-objective Particle Swarm Optimization with Introduction of Quorum-Sensing Inspired Turbulence. Lecture Notes in Computer Science, 2014, , 394-403.	1.0	0
2126	Probiotic Social Life, Biochemical Cross-talk and Ecological Relationships Among Bacteria. , 2014, , .		0
2127	Towards the Engineering of Chemical Communication Between Semi-Synthetic and Natural Cells. , 2014, , 91-104.		3
2128	Biotechnological Applications. , 0, , 399-406.		0

#	ARTICLE	IF	CITATIONS
2129	Environmentally Responsive Dna Bending by the Agrobacterium Tumefaciens Transcriptional Activator OccR. Current Plant Science and Biotechnology in Agriculture, 1994, , 21-24.	0.0	0
2131	Introduction: From Physiology to DNA and Back. , 1996, , 1-5.		0
2132	Addressing the Microbial Ecology of Marine Biofilms. , 1998, , 449-470.		1
2133	Environmental Control of Gene Expression in Bacteria. , 1998, , 131-145.		0
2134	Metamicrobiology: Analyzing Microbial Behavior at the Community Level. , 0, , 417-424.		0
2135	The Natural History and Ecology of Commensal Human Floras. , 0, , 101-114.		0
2136	Screening and preliminary characterization of quenching activities of soil Bacillus isolates against acyl homoserine lactones of clinically isolated Pseudomonas aeruginosa. Malaysian Journal of Microbiology, 2014, , .	0.1	1
2137	Identification, cloning and lactonase activity of recombinant protein of N-acyl homoserine lactonase (AiiA) from Bacillus thuringiensis 147-115-16 strain.. Revista Colombiana De Biotecnología, 2014, 16, 153.	0.5	2
2139	In vitro and in vivo study of acyl homoserine lactone degrading Bacillus against Vibrio harveyi. International Journal of Biosciences, 2015, 6, 338-348.	0.4	2
2140	The Interplay between the Microbiota and Enterohemorrhagic Escherichia coli. , 0, , 403-417.		0
2141	Microbiome and women's health (literature review). Reproductive Endocrinology, 2015, .	0.0	6
2142	Probiotics and Inhibition of Clostridium difficile Toxin. Current Topic in Lactic Acid Bacteria and Probiotics, 2016, 4, 1-7.	0.8	0
2143	Introductory Chapter. , 2016, , 1-13.		0
2145	Microbial Signaling. , 2016, , 147-175.		1
2147	Bacterial acyl homoserine lactones in plant priming biotechnology: achievements and prospects of use in agricultural production. Fiziologia Rastenij I Genetika, 2016, 48, 463-474.	0.1	3
2149	Quorum Quenching Compounds from Natural Sources. , 2017, , 351-364.		8
2151	How fast is a collective bacterial state established?. PLoS ONE, 2017, 12, e0180199.	1.1	0
2158	Free-Living PGPRs in Biotic Stress Management. Microorganisms for Sustainability, 2019, , 275-324.	0.4	2

#	ARTICLE	IF	CITATIONS
2159	Interaction of Rhizobacteria with Soil Microorganisms: An Agro-Beneficiary Aspect. <i>Microorganisms for Sustainability</i> , 2019, , 241-259.	0.4	1
2160	Significance of Quorum Sensing and Biofilm Formation in Medicine and Veterinary Sciences. , 2019, , 87-99.		0
2161	Systematic Design of a Quorum Sensing-Based Biosensor for the Detection of Metal Ions in <i>Escherichia coli</i> . , 2019, , 1-23.		0
2162	Approaches Towards Microbial Biofilm Disruption by Natural Bioactive Agents. , 2019, , 233-261.		2
2163	Novel Perspectives on the Quorum Sensing Inhibitors (QSIs)/Quorum Quenchers (QQs) in Food Preservation and Spoilage. , 2019, , 269-298.		1
2165	THE ROLE OF THE STRINGENT COMPONENTS IN THE REGULATION OF VIRULENCE. <i>Postepy Mikrobiologii</i> , 2019, 58, 247-258.	0.1	0
2166	Quorum Sensing and Biofilm Formation by Oral Pathogenic Microbes in the Dental Plaques: Implication for Health and Disease. , 2019, , 129-140.		2
2169	MİKROORGANİZMALARDA QUORUM SENSİNGİNİN ALGILAMA VE QUORUM SENSİNGİNİN ALGILAMA MEKANİZMASININ İNCELENMESİ. <i>Gıda</i> , 0, , 943-953.	0.1	0
2171	Phenylacetyl Coenzyme A, Not Phenylacetic Acid, Attenuates CepIR-Regulated Virulence in <i>Burkholderia cenocepacia</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	7
2173	Microbial Communication Networks: Sketching a Method for Analyzing the Communication of Bacteriophages Inside Environmental Communities. , 2020, , 163-181.		0
2177	Antimicrobial Resistance and Biofilm Formation of <i>Pseudomonas aeruginosa</i> . <i>The International Arabic Journal of Antimicrobial Agents</i> , 2020, 10, .	0.3	1
2178	General Analyses of Gene Expression Dependencies on Genetic Burden. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 1017.	2.0	1
2179	Functional metagenomic analysis of quorum sensing signaling in a nitrifying community. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 79.	2.9	8
2180	Diversity of betahedging strategies in microbial communities—Recent cases and insights. <i>WIREs Mechanisms of Disease</i> , 2022, 14, e1544.	1.5	20
2181	Beneficial Root Microbiota: Transmogrifiers of Secondary Metabolism in Plants. , 2021, , 343-365.		1
2185	From Natural to Synthetic Quorum Sensing Active Compounds: Insights to Develop Specific Quorum Sensing Modulators for Microbe-Plant Interaction. <i>ACS Symposium Series</i> , 2020, , 87-113.	0.5	0
2186	Quorum Sensing in Yeast. <i>ACS Symposium Series</i> , 2020, , 235-250.	0.5	7
2187	Probiotic Bacteria Used in Food: A Novel Class of Antibiofilm Agent. , 2020, , 25-35.		3

#	ARTICLE	IF	CITATIONS
2188	<i>Bacillus</i> Quorum Sensing Pheromones: ComX and Phr. ACS Symposium Series, 2020, , 201-217.	0.5	1
2189	Building Quantitative Gene Regulatory Mechanism in Quorum Sensing in <i>Pseudomonas aeruginosa</i> ; Using Transcriptomic Data. Journal of Biomedical Science and Engineering, 2020, 13, 13-35.	0.2	0
2191	Hydrodynamic justification of the movement of microorganisms in deep regions of the periodontal. Parodontologiya, 2020, 25, 32-36.	0.1	0
2193	Quorum quenching and anti-biofilm activities of halotolerant <i>Bacillus</i> strains isolated in different environments in Algeria. Journal of Applied Microbiology, 2022, 132, 1825-1839.	1.4	6
2195	<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> AvrXA21 Activity Is Dependent on a Type One Secretion System, Is Regulated by a Two-Component Regulatory System that Responds to Cell Population Density, and Is Conserved in Other <i>Xanthomonas</i> spp.. , 2008, , 25-40.		0
2198	Bioluminescence. , 2001, , 1115-1131.		0
2230	In silico Prediction and Docking of Tertiary Structure of LuxI, an Inducer Synthase of <i>Vibrio fischeri</i> . Reports of Biochemistry and Molecular Biology, 2016, 4, 66-75.	0.5	10
2231	structural analysis of quorum sensing genes in. Molecular Biology Research Communications, 2015, 4, 115-124.	0.2	3
2232	Bioactive potential of <i>Albizia lebeck</i> extract against phytopathogens and protective properties on tomato plant against speck disease in greenhouse. Physiological and Molecular Plant Pathology, 2022, 117, 101750.	1.3	9
2233	Pathogenetic features of chronic osteomyelitis treatment. Genij Ortopedii, 2021, 27, 628-635.	0.1	1
2234	Growth of <i>Salmonella</i> Enteritidis in the presence of quorum sensing signaling compounds produced by <i>Pseudomonas aeruginosa</i> . International Journal of Food Engineering, 2021, .	0.7	2
2235	Characterization of Patterned Microbial Growth Dynamics in Aqueous Two-Phase Polymer Scaffolds. ACS Biomaterials Science and Engineering, 2021, 7, 5506-5514.	2.6	5
2236	Production of both <i>3</i> - and <i>4</i> - <i>N</i> -acylhomoserine lactones by <i>Burkholderia cepacia</i> and <i>Vibrio fischeri</i> . MicrobiologyOpen, 2021, 10, e1242.	1.2	4
2237	Biofloc Microbiome With Bioremediation and Health Benefits. Frontiers in Microbiology, 2021, 12, 741164.	1.5	26
2238	SsPEP1, an Effector with Essential Cellular Functions in Sugarcane Smut Fungus. Journal of Fungi (Basel, Switzerland), 2021, 7, 954.	1.5	4
2239	Identification of Volatile Organic Compounds in Extremophilic Bacteria and Their Effective Use in Biocontrol of Postharvest Fungal Phytopathogens. Frontiers in Microbiology, 2021, 12, 773092.	1.5	21
2240	Gossip in the gut: Quorum sensing, a new player in the host-microbiota interactions. World Journal of Gastroenterology, 2021, 27, 7247-7270.	1.4	18
2241	Bacterial quorum sensing quenching activity of <i>Lysobacter leucyl</i> aminopeptidase acts by interacting with autoinducer synthase. Computational and Structural Biotechnology Journal, 2021, 19, 6179-6190.	1.9	4

#	ARTICLE	IF	CITATIONS
2242	Quorum sensing inhibitory effect of hexanal on Autoinducer-2 (AI-2) and corresponding impacts on biofilm formation and enzyme activity in <i>Erwinia carotovora</i> and <i>Pseudomonas fluorescens</i> isolated from vegetables. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	0.9	5
2244	Molecular Docking of Phytochemicals against <i>Streptococcus mutans</i> Virulence Targets: A Proteomic Insight into Drug Planning. <i>Dentistry</i> , 0, , .	0.0	0
2245	Regulation of Virulence Factors Expression During the Intestinal Colonization of <i>Vibrio parahaemolyticus</i> . <i>Foodborne Pathogens and Disease</i> , 2022, 19, 169-178.	0.8	6
2246	Changes in Chemical Structure of n-Acyl Homoserine Lactones and Their Effects on Microcystin Expression from <i>Microcystis aeruginosa</i> PCC7806. <i>Environmental Engineering Science</i> , 2022, 39, 29-38.	0.8	6
2247	Controlling Synthetic Cell-Cell Communication. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 809945.	1.6	25
2248	Acylated Homoserine Lactones Regulate the Response of Methane Metabolism and Nitrogen Metabolism to Florfenicol in Anaerobic Fermentation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2249	Characterization of differentiated autoregulation of LuxI/LuxR-type quorum sensing system in <i>Pseudoalteromonas</i> . <i>Biochemical and Biophysical Research Communications</i> , 2022, 590, 177-183.	1.0	10
2251	N-acyl-homoserine lactone produced by <i>Rahnella inusitata</i> isolated from the gut of <i>Galleria mellonella</i> influences <i>Salmonella</i> phenotypes. <i>Brazilian Journal of Microbiology</i> , 2022, , 1.	0.8	0
2252	Anti-Quorum-Sensing Activity of Tryptophan-Containing Cyclic Dipeptides. <i>Marine Drugs</i> , 2022, 20, 85.	2.2	7
2253	Leveraging quorum sensing system for automatic coordination of <i>Escherichia coli</i> growth and lactic acid biosynthesis. <i>Annals of Microbiology</i> , 2022, 72, .	1.1	0
2254	Molecular Mechanisms of Antimicrobial Resistance in <i>Staphylococcus aureus</i> Biofilms. , 2022, , 291-314.		6
2255	A Simple Biosensor-Based Assay for Quantitative Autoinducer-2 Analysis. <i>ACS Synthetic Biology</i> , 2022, 11, 747-759.	1.9	3
2256	Biosynthesis, regulation, and engineering of natural products from <i>Lysobacter</i> . <i>Natural Product Reports</i> , 2022, 39, 842-874.	5.2	13
2257	Effect of Bacteria in Algal Environment Regulated by Glucose Content on <i>Ochromonas</i> . <i>Bioenergy Research</i> , 0, , .	2.2	1
2258	Quorum Sensing Regulates Bacterial Processes That Play a Major Role in Marine Biogeochemical Cycles. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	14
2259	Biofilm-mediated bioremediation is a powerful tool for the removal of environmental pollutants. <i>Chemosphere</i> , 2022, 294, 133609.	4.2	68
2260	Atopic dermatitis: optimizing the topical therapy. <i>Vestnik Dermatologii i Venerologii</i> , 2013, 89, 102-111.	0.2	0
2261	Quorum Sensing Controls the CRISPR and Type VI Secretion Systems in <i>Aliivibrio wodanis</i> 06/09/139. <i>Frontiers in Veterinary Science</i> , 2022, 9, 799414.	0.9	7

#	ARTICLE	IF	CITATIONS
2262	Fighting <i>Acinetobacter baumannii</i> infections with the acylase PvdQ. <i>Microbes and Infection</i> , 2022, , 104951.	1.0	4
2263	Quorum Sensing Regulates the Hydrolytic Enzyme Production and Community Composition of Heterotrophic Bacteria in Coastal Waters. <i>Frontiers in Microbiology</i> , 2021, 12, 780759.	1.5	6
2264	Two-Stage Activation of <i>lux</i> Regulon of Psychrophilic Marine Luminescent Bacteria <i>Aliivibrio logei</i> . <i>Russian Journal of Genetics</i> , 2022, 58, 143-151.	0.2	5
2265	Impact of quorum sensing signaling molecules in gram-negative bacteria on host cells: current understanding and future perspectives. <i>Gut Microbes</i> , 2022, 14, 2039048.	4.3	28
2266	Dishonest Signaling in Microbial Conflicts. <i>Frontiers in Microbiology</i> , 2022, 13, 812763.	1.5	2
2267	Recent advances in construction and regulation of yeast cell factories. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 57.	1.7	10
2269	A critical review of marine biofilms on metallic materials. <i>Npj Materials Degradation</i> , 2022, 6, .	2.6	31
2270	Amino Acid-Derived Quorum Sensing Molecule Alanine on the Gastrointestinal Tract Tolerance of the <i>Lactobacillus</i> Strains in the Cocoltured Fermentation Model. <i>Microbiology Spectrum</i> , 2022, 10, e0083221.	1.2	7
2272	The Oral-Microbiome-Brain Axis and Neuropsychiatric Disorders: An Anthropological Perspective. <i>Frontiers in Psychiatry</i> , 2022, 13, 810008.	1.3	20
2273	Production of Epoxyketone Peptide-Based Proteasome Inhibitors by <i>Streptomyces</i> sp. BRA-346: Regulation and Biosynthesis. <i>Frontiers in Microbiology</i> , 2022, 13, 786008.	1.5	0
2274	Mechanisms of interactions between bacteria and bacteriophage mediate by quorum sensing systems. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2299-2310.	1.7	13
2275	Genome analysis of <i>Pseudomonas chlororaphis</i> subsp. <i>aurantiaca</i> mutant strains with increased production of phenazines. <i>Archives of Microbiology</i> , 2022, 204, 247.	1.0	2
2276	Gut health benefit and application of postbiotics in animal production. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 38.	2.1	19
2277	Low-shear modeled microgravity affects metabolic networks of <i>Escherichia coli</i> O157:H7 EDL933: Further insights into space-microbiology consequences. <i>Food Research International</i> , 2022, 154, 111013.	2.9	3
2278	Acylated homoserine lactones regulate the response of methane metabolism and nitrogen metabolism to florfenicol in anaerobic fermentation. <i>Science of the Total Environment</i> , 2022, 832, 155035.	3.9	6
2279	<i>Helicobacter pylori</i> Biofilm-Related Drug Resistance and New Developments in Its Anti-Biofilm Agents. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 1561-1571.	1.1	23
2280	<i>rpeA</i> , a global regulator involved in mupirocin biosynthesis in <i>Pseudomonas fluorescens</i> NCIMB 10586. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 9309-9319.	1.7	1
2281	Editorial: Gram-Negative Pathogenesis. <i>Frontiers in Microbiology</i> , 2021, 12, 813062.	1.5	0

#	ARTICLE	IF	CITATIONS
2282	Probiotics as Therapeutic Tools against Pathogenic Biofilms: Have We Found the Perfect Weapon?. <i>Microbiology Research</i> , 2021, 12, 916-937.	0.8	9
2283	Quorum Sensing Bacteria in the Phycosphere of HAB Microalgae and Their Ecological Functions Related to Cross-Kingdom Interactions. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 163.	1.2	7
2284	Quorum-sensing induced transitions between bistable steady-states for a cell-bulk ODE-PDE model with lux intracellular kinetics. <i>Journal of Mathematical Biology</i> , 2022, 84, 5.	0.8	3
2286	Preparation of freeze-dried bioluminescent bacteria and their application in the detection of acute toxicity of bisphenol A and heavy metals. <i>Food Science and Nutrition</i> , 2022, 10, 1841-1853.	1.5	7
2287	Quorum Sensing of Lactic Acid Bacteria: Progress and Insights. <i>Food Reviews International</i> , 2023, 39, 4781-4792.	4.3	6
2288	Four decades of experience of prosthetic valve endocarditis reflect a high variety of diverse pathogens. <i>Cardiovascular Research</i> , 2023, 119, 410-428.	1.8	8
2289	YqeH contributes to avian pathogenic <i>Escherichia coli</i> pathogenicity by regulating motility, biofilm formation, and virulence. <i>Veterinary Research</i> , 2022, 53, 30.	1.1	3
2356	Die Biolumineszenz von Tieren, Pflanzen und Bakterien Grundlagen und Anwendung. <i>Die Naturwissenschaften</i> , 1996, 83, 312-320.	0.6	0
2359	A phenotypic and molecular investigation of biofilm formation in clinical samples of .. <i>Molecular Biology Research Communications</i> , 2021, 10, 157-163.	0.2	1
2360	Plant Growth Promoting Actinobacteria, the Most Promising Candidates as Bioinoculants?. <i>Frontiers in Agronomy</i> , 2022, 4, .	1.5	38
2361	Application of Biotechnology in Specific Spoilage Organisms of Aquatic Products. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 895283.	2.0	9
2362	Pharmaceutical strategies for the treatment of bacterial biofilms in chronic wounds. <i>Drug Discovery Today</i> , 2022, 27, 2137-2150.	3.2	16
2363	Persulfide-Responsive Transcription Factor SqrR Regulates Gene Transfer and Biofilm Formation via the Metabolic Modulation of Cyclic di-GMP in <i>Rhodobacter capsulatus</i> . <i>Microorganisms</i> , 2022, 10, 908.	1.6	5
2364	Effect of luxS encoding a synthase of quorum-sensing signal molecule AI-2 of <i>Vibrio vulnificus</i> on mouse gut microbiome. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3721-3734.	1.7	3
2366	Could <i>Bacillus</i> biofilms enhance the effectivity of biocontrol strategies in the phyllosphere?. <i>Journal of Applied Microbiology</i> , 2022, 133, 2148-2166.	1.4	9
2367	Evolutionary Principles of Bacterial Signaling Capacity and Complexity. <i>MBio</i> , 2022, 13, e0076422.	1.8	12
2368	ĐšĐ¼Đ½Ń†ĐμĐ;Ń†Đ,Ń•Đ;Ń€Đ¼Đ,ŃŃ...Đ¼Đ†Đ ĐμĐ½Đ,Ń•Đ;ŃĐ,Ń...Đ,Đ°Đ, Đ•Đ•Đ•ĐμĐ¼Đ½Ń,Ń€ĐμĐ²Đ° Đ½Đ° ŃĐ¼Đ²Ń€ĐμĐ¼Đ		
2369	Complex Ideas: Fodor's Hume Revisited. <i>Biolinguistics</i> , 0, 12, 001-013.	0.6	1

#	ARTICLE	IF	CITATIONS
2370	Frequency modulation of a bacterial quorum sensing response. <i>Nature Communications</i> , 2022, 13, 2772.	5.8	10
2371	Bacterial Quorum Sensing Allows Graded and Bimodal Cellular Responses to Variations in Population Density. <i>MBio</i> , 2022, 13, e0074522.	1.8	19
2372	Avenues of sustainable pollutant bioremediation using microbial biofilms. , 2022, , 121-153.		1
2373	PhcA and PhcR Regulate Ralsolamycin Biosynthesis Oppositely in <i>Ralstonia solanacearum</i> . <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	5
2374	VfqI-VfqR quorum sensing circuit modulates type VI secretion system VflT6SS2 in <i>Vibrio fluvialis</i> . <i>Biochemistry and Biophysics Reports</i> , 2022, 31, 101282.	0.7	1
2375	Understanding the complete bioluminescence cycle from a multiscale computational perspective: A review. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2022, 52, 100537.	5.6	9
2377	Advancement of the TI concept: defining the origin-of-life stages based on the succession of a bacterial cell exit from anabiosis. <i>AIMS Geosciences</i> , 2022, 8, 398-437.	0.4	1
2378	<i>Peribacillus castrilensis</i> sp. nov.: A Plant-Growth-Promoting and Biocontrol Species Isolated From a River Otter in Castril, Granada, Southern Spain. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	7
2379	Comparative Transcriptome Analysis of <i>Shewanella putrefaciens</i> WS13 Biofilms Under Cold Stress. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	5
2380	Research Progress and Hopeful Strategies of Application of Quorum Sensing in Food, Agriculture and Nanomedicine. <i>Microorganisms</i> , 2022, 10, 1192.	1.6	6
2381	<i>Pseudomonas aeruginosa</i> Secretes the Oxylipin Autoinducer Synthases OdsA and OdsB via the Xcp Type 2 Secretion System. <i>Journal of Bacteriology</i> , 2022, 204, .	1.0	3
2382	Evaluation of anti-biofilm formation and quorum sensing attenuation of herbal medicines. , 2022, , 723-738.		0
2383	Nano-targeted drug delivery approaches for biofilm-associated infections. , 2022, , 97-138.		0
2384	Biofilm: Design of experiments and relevant protocols. , 2022, , 1-27.		2
2386	Engineering a tunable bistronic TetR autoregulation expression system in <i>Gluconobacter oxydans</i> . <i>PeerJ</i> , 0, 10, e13639.	0.9	2
2387	Sequence, structure, and function of the Dps DNA-binding protein from <i>Deinococcus wulumuqiensis</i> R12. <i>Microbial Cell Factories</i> , 2022, 21, .	1.9	4
2388	The Cell-Cell Communication Signal Indole Controls the Physiology and Interspecies Communication of <i>Acinetobacter baumannii</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	9
2389	The MexJK Multidrug Efflux Pump Is Not Involved in Acquired or Intrinsic Antibiotic Resistance in <i>Pseudomonas aeruginosa</i> , but Modulates the Bacterial Quorum Sensing Response. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7492.	1.8	6

#	ARTICLE	IF	CITATIONS
2390	Differential binding of LuxR in response to temperature gauges switches virulence gene expression in <i>Vibrio alginolyticus</i> . <i>Microbiological Research</i> , 2022, 263, 127114.	2.5	6
2391	Effect of SPoT-mediated Stringent Response on Biofilm Formation, Stress Resistance and Quorum Sensing in <i>Pseudomonas protegens</i> SN15-2. <i>Applied Biochemistry and Microbiology</i> , 2022, 58, 406-415.	0.3	0
2392	AHL-mediated quorum sensing to regulate bacterial substance and energy metabolism: A review. <i>Microbiological Research</i> , 2022, 262, 127102.	2.5	28
2393	An Overview of Biofilm Formation—Combating Strategies and Mechanisms of Action of Antibiofilm Agents. <i>Life</i> , 2022, 12, 1110.	1.1	32
2395	Actinomycin D: a novel <i>Pseudomonas aeruginosa</i> quorum sensing inhibitor from the endophyte <i>Streptomyces cyaneochromogenes</i> RC1. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, .	1.7	13
2396	Oak bark (<i>Quercus sp. cortex</i>) protects plants through the inhibition of quorum sensing mediated virulence of <i>Pectobacterium carotovorum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, .	1.7	4
2397	The gut microbiota — A vehicle for the prevention and treatment of hepatocellular carcinoma. <i>Biochemical Pharmacology</i> , 2022, 204, 115225.	2.0	4
2398	Microbiome engineering for bioremediation of emerging pollutants. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 323-339.	1.7	2
2399	Regulation of flagellar motility and biosynthesis in enterohemorrhagic <i>Escherichia coli</i> O157:H7. <i>Gut Microbes</i> , 2022, 14, .	4.3	12
2400	Pharmacological Approaches for the Prevention of Breast Implant Capsular Contracture. <i>Journal of Surgical Research</i> , 2022, 280, 129-150.	0.8	4
2401	Syntrophy mechanism, microbial population, and process optimization for volatile fatty acids metabolism in anaerobic digestion. <i>Chemical Engineering Journal</i> , 2023, 452, 139137.	6.6	18
2402	Biofouling detection and nano-enabled mitigation techniques for membranes used in wastewater treatment. , 2022, , 39-69.		0
2403	Prevention of Biofilms in Catheter-Associated Urinary Tract Infections (CAUTIs): A Review. <i>Springer Series on Biofilms</i> , 2022, , 61-97.	0.0	0
2404	Aerobic granular sludge processes. , 2022, , 193-225.		0
2405	Genomic and transcriptomic characterization of the <i>Collimonas</i> quorum sensing genes and regulon. <i>FEMS Microbiology Ecology</i> , 0, , .	1.3	0
2406	Rhizospheric Microbial Communication. , 2022, , 41-66.		0
2407	Did Maxwell Dream of Electrical Bacteria?. <i>Biophysica</i> , 2022, 2, 281-291.	0.6	1
2408	Communication Breakdown: Into the Molecular Mechanism of Biofilm Inhibition by CeO ₂ Nanocrystal Enzyme Mimics and How It Can Be Exploited. <i>ACS Nano</i> , 2022, 16, 16091-16108.	7.3	7

#	ARTICLE	IF	CITATIONS
2409	Biofilm formation in xenobiotic-degrading microorganisms. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 1129-1149.	5.1	29
2410	Quorum Sensing and Quorum Quenching with a Focus on Cariogenic and Periodontopathic Oral Biofilms. <i>Microorganisms</i> , 2022, 10, 1783.	1.6	16
2411	A half-century of research on microalgae-bacteria for wastewater treatment. <i>Algal Research</i> , 2022, 67, 102828.	2.4	17
2413	Extracellular lactonase-mediated quorum quenching by a novel <i>Bacillus velezensis</i> . <i>FEMS Microbiology Letters</i> , 2022, 369, .	0.7	2
2414	<i>Pseudomonas aeruginosa</i> Quorum Sensing. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 95-115.	0.8	12
2415	Comparative genomic and functional analysis of <i>Arthrobacter</i> sp. UMCV2 reveals the presence of luxR-related genes inducible by the biocompound N, N-dimethylhexadecylamine. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
2416	Quorum sensing mediates gut bacterial communication and host-microbiota interaction. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-13.	5.4	1
2418	Bacterial cell-to-cell communication and its relevance to food safety. , 2023, , 829-845.		1
2419	Effects of Acylase Treatment Episodes on Multispecies Biofilm Development. <i>Microbiology and Biotechnology Letters</i> , 2022, 50, 548-556.	0.2	0
2420	Targeting peptide-based quorum sensing systems for the treatment of gram-positive bacterial infections. <i>Peptide Science</i> , 2023, 115, .	1.0	5
2421	Microbial Communication via Pyrazine Signaling: A New Class of Signaling Molecules Identified in <i>Vibrio cholerae</i> . <i>Israel Journal of Chemistry</i> , 2023, 63, .	1.0	0
2422	Quorum sensing in biofilms: a key mechanism to target in ecotoxicological studies. <i>Critical Reviews in Microbiology</i> , 2023, 49, 786-804.	2.7	5
2423	Hidden Inside Plants: Potential of Endophytic Microorganisms as Next-generation Biopesticides. , 2022, , 182-201.		0
2424	Adaptive discrimination between harmful and harmless antigens in the immune system by predictive coding. <i>IScience</i> , 2023, 26, 105754.	1.9	0
2425	Regulating performance of CANON process via adding external quorum sensing signal molecules in membrane bioreactor. <i>Bioresource Technology</i> , 2023, 369, 128465.	4.8	3
2426	Evaluating the effect of aeration rate on quorum quenching membrane bioreactors: Performance of activated sludge, membrane fouling behavior, and the energy consumption analysis. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109037.	3.3	8
2427	Biofilms and their impact on the food industry. <i>Saudi Journal of Biological Sciences</i> , 2023, 30, 103523.	1.8	9
2429	MALDI Mass Spectrometry Imaging Reveals the Existence of an N-Acyl-homoserine Lactone Quorum Sensing System in <i>Pseudomonas putida</i> Biofilms. <i>Metabolites</i> , 2022, 12, 1148.	1.3	3

#	ARTICLE	IF	CITATIONS
2430	Quorum sensing signals: Aquaculture risk factor. <i>Reviews in Aquaculture</i> , 2023, 15, 1294-1310.	4.6	5
2431	Collective decision-making in <i>Pseudomonas aeruginosa</i> involves transient segregation of quorum-sensing activities across cells. <i>Current Biology</i> , 2022, 32, 5250-5261.e6.	1.8	4
2432	Frequency of quorum-sensing mutations in <i>Pseudomonas aeruginosa</i> strains isolated from different environments. <i>Microbiology (United Kingdom)</i> , 2022, 168, .	0.7	14
2433	A Novel and Efficient Platform for Discovering Noncanonical Quorum-Quenching Proteins. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	2
2434	A Geneticist Transcribing the Chemical Language of Bacteria. <i>Israel Journal of Chemistry</i> , 2023, 63, .	1.0	0
2435	QTL for induced resistance against leaf rust in barley. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	0
2436	Quorum Sensing from Two Engineersâ€™ Perspectives. <i>Israel Journal of Chemistry</i> , 2023, 63, .	1.0	1
2437	Marine bioactive compounds as antibiofilm agent: a metabolomic approach. <i>Archives of Microbiology</i> , 2023, 205, .	1.0	4
2439	Innovative microbial disease biocontrol strategies mediated by quorum quenching and their multifaceted applications: A review. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	15
2440	Impacts of exogenous quorum sensing signal molecule-acylated homoserine lactones (AHLs) with different addition modes on Anammox process. <i>Bioresource Technology</i> , 2023, 371, 128614.	4.8	3
2441	Developing Cyanobacterial Quorum Sensing Toolkits: Toward Interspecies Coordination in Mixed Autotroph/Heterotroph Communities. <i>ACS Synthetic Biology</i> , 2023, 12, 265-276.	1.9	5
2442	Quorum sensing relationship analysis of microbial symbionts. , 2023, , 831-845.		0
2443	Synthesis and Potential of Autoinducers and Analogs to Manipulate Interspecies Quorum Sensing. <i>Israel Journal of Chemistry</i> , 2023, 63, .	1.0	1
2444	Plant growth promoting Rhizobacteria and their biofilms in promoting sustainable agriculture and soil health. , 2023, , 629-647.		1
2446	P mutants with different promoting period and their application for quorum sensing regulated protein expression. <i>Food Science and Human Wellness</i> , 2023, 12, 1841-1849.	2.2	1
2447	Effects of <i>Saccharomyces cerevisiae</i> quorum sensing signal molecules on ethanol production in bioethanol fermentation process. <i>Microbiological Research</i> , 2023, 271, 127367.	2.5	4
2449	<i>Bacillus subtilis</i> -based biofilms. , 2022, , 93-104.		1
2450	The Role of Quorum Sensing in the Development of <i>Microcystis aeruginosa</i> Blooms: Gene Expression. <i>Microorganisms</i> , 2023, 11, 383.	1.6	2

#	ARTICLE	IF	CITATIONS
2451	The role and mechanism of quorum sensing on environmental antimicrobial resistance. <i>Environmental Pollution</i> , 2023, 322, 121238.	3.7	12
2452	Phytopathogenic bacteria utilize host glucose as a signal to stimulate virulence through <i>LuxR</i> homologues. <i>Molecular Plant Pathology</i> , 2023, 24, 359-373.	2.0	3
2453	Investigating chirality in quorum sensing by analysis of <i>Burkholderia cepacia</i> and <i>Vibrio fischeri</i> with comprehensive chiral LC-MS/MS and GC-MS/MS methods. <i>FEMS Microbiology Letters</i> , 2023, 370, .	0.7	0
2454	Conversations in the Gut: The Role of Quorum Sensing in Normobiosis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3722.	1.8	6
2455	Motility Control as a Possible Link Between Quorum Sensing to Surface Attachment in <i>Vibrio</i> Species. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 65-75.	0.8	1
2456	Antibacterial and Antibiofilm Effect of Unifloral Honeys against Bacteria Isolated from Chronic Wound Infections. <i>Microorganisms</i> , 2023, 11, 509.	1.6	8
2457	Cell-Cell Signaling Proteobacterial <i>LuxR</i> Solos: a Treasure Trove of Subgroups Having Different Origins, Ligands, and Ecological Roles. <i>MSystems</i> , 2023, 8, .	1.7	4
2458	Beyond Thresholds: Quorum Sensing as Quantitatively Varying Reaction Norms to Multiple Environmental Dimensions. <i>Israel Journal of Chemistry</i> , 0, , .	1.0	1
2459	N-acetylcysteine (NAC) attenuates quorum sensing regulated phenotypes in <i>Pseudomonas aeruginosa</i> PAO1. <i>Heliyon</i> , 2023, 9, e14152.	1.4	1
2460	Structural modification of the <i>Pseudomonas aeruginosa</i> alkylquinoline cell-cell communication signal, HHQ, leads to benzofuranoquinolines with anti-virulence behaviour in ESKAPE pathogens. <i>Microbiology (United Kingdom)</i> , 2023, 169, .	0.7	0
2461	Anti-quorum sensing effects of batatasin III: <i>in vitro</i> and <i>in silico</i> studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 11341-11352.	2.0	1
2462	A clash of quorum sensing vs quorum sensing inhibitors: an overview and risk of resistance. <i>Archives of Microbiology</i> , 2023, 205, .	1.0	8
2463	Autoinduction AND Gate Inhibits Cell Lysis to Enhance Protein Production in <i>Bacillus subtilis</i> Controlled by Population Density and Cell Physiological State. <i>ACS Synthetic Biology</i> , 2023, 12, 842-851.	1.9	1
2464	<i>Agrobacterium tumefaciens</i> : a Transformative Agent for Fundamental Insights into Host-Microbe Interactions, Genome Biology, Chemical Signaling, and Cell Biology. <i>Journal of Bacteriology</i> , 2023, 205, .	1.0	7
2465	Quorum Quenchers from <i>Reynoutria japonica</i> in the Battle against Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>Molecules</i> , 2023, 28, 2635.	1.7	2
2466	Parameters, architecture and emergent properties of the <i>Pseudomonas aeruginosa</i> LasI/LasR quorum-sensing circuit. <i>Journal of the Royal Society Interface</i> , 2023, 20, .	1.5	2
2467	Have You Heard of Bonnie Bassler? A Historical Perspective on a Remarkable Career. <i>Israel Journal of Chemistry</i> , 2023, 63, .	1.0	0
2468	Outer membrane vesicles of <i>Dinoroseobacter shibae</i> transport a volatile aldehyde. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	1.1	0

#	ARTICLE	IF	CITATIONS
2469	Anti-Bacterial and Anti-Biofilm Activities of Anandamide against the Cariogenic Streptococcus mutans. International Journal of Molecular Sciences, 2023, 24, 6177.	1.8	1
2470	Application of Quorum Sensing in Metabolic Engineering. Journal of Agricultural and Food Chemistry, 2023, 71, 5062-5074.	2.4	1
2471	Quorum Sensing-Mediated Lipid Oxidation Further Regulating the Environmental Adaptability of Aspergillus ochraceus. Metabolites, 2023, 13, 491.	1.3	0
2472	Unusual enantiomeric D,L-N-acyl homoserine lactones in Pectobacterium atrosepticum and Pseudomonas aeruginosa. PLoS ONE, 2023, 18, e0283657.	1.1	0
2473	Deciphering the quorum-sensing lexicon of the gut microbiota. Cell Host and Microbe, 2023, 31, 500-512.	5.1	8
2481	Plant-Endophyte Interactions: A Driving Phenomenon for Boosting Plant Health under Climate Change Conditions. Rhizosphere Biology, 2023, , 233-263.	0.4	1
2483	Anti-virulence to Counter the AMR Conundrum: Principles and Strategies. , 2023, , 1-18.		0
2503	Anti-virulence to Counter the AMR Conundrum: Principles and Strategies. , 2023, , 981-998.		0
2510	Mechanisms of Cr(VI) Reduction by Microorganisms. Environmental Science and Engineering, 2023, , 41-131.	0.1	0
2522	Microbiologically Synthesized Nanoparticles and Their Role in Biofilm Inhibition. Environmental and Microbial Biotechnology, 2023, , 285-315.	0.4	0
2532	Quorum Sensing in Biofilm. , 0, , .		0
2541	Revolutionizing Nanocommunication Networks: A Review of Bio-Inspired Synchronization Techniques. , 2023, , .		0
2545	Trends in Quorum Sensing and Quorum Quenching. , 2023, , 83-104.		0
2548	Molecular Identification and Detection of Quorum Quenching Pathogenic Microorganisms. , 2023, , 282-302.		0
2549	Isolation of Quorum Quenching Microorganisms and Screening Methods. , 2023, , 303-324.		0
2550	Interactions between microbial cells and titanium implant surfaces. Methods in Microbiology, 2024, , 125-171.	0.4	0
2553	The application of knowledge in soil microbiology, ecology, and biochemistry (SMEB) to the solution of today's and future societal needs. , 2024, , 493-536.		1
2561	Masters of Manipulation: How Our Molecular Understanding of Model Symbiotic Fungi and Their Hosts Is Changing the Face of 'Mutualism', 2024, , 249-272.		0

#	ARTICLE	IF	CITATIONS
2562	An Overview of Fungal Volatile Organic Compounds (VOCs). , 2024, , 83-111.		0
2568	Role of Phenolics in Plant-Microbe Interaction: A Review. , 2024, , 1-33.		0
2570	Engineering biology fundamental for plant-derived bioactive compounds: challenges and prospects. , 2024, , 285-313.		0