

Bonnie L Bassler

List of Publications by Year in descending order

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222
papers

42,310
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4584

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4511

177
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273
all docs

273
docs citations

273
times ranked

24658
citing authors

#	ARTICLE	IF	CITATIONS
1	Quorum Sensing in Bacteria. Annual Review of Microbiology, 2001, 55, 165-199.	2.9	4,088
2	QUORUM SENSING: Cell-to-Cell Communication in Bacteria. Annual Review of Cell and Developmental Biology, 2005, 21, 319-346.	4.0	3,198
3	Quorum sensing signal- ϵ response systems in Gram-negative bacteria. Nature Reviews Microbiology, 2016, 14, 576-588.	13.6	1,586
4	Bacterial Quorum Sensing: Its Role in Virulence and Possibilities for Its Control. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a012427-a012427.	2.9	1,460
5	Bacterial Quorum-Sensing Network Architectures. Annual Review of Genetics, 2009, 43, 197-222.	3.2	1,426
6	Structural identification of a bacterial quorum-sensing signal containing boron. Nature, 2002, 415, 545-549.	13.7	1,379
7	Bacterially Speaking. Cell, 2006, 125, 237-246.	13.5	963
8	The LuxS family of bacterial autoinducers: biosynthesis of a novel quorum-sensing signal molecule. Molecular Microbiology, 2001, 41, 463-476.	1.2	909
9	The Small RNA Chaperone Hfq and Multiple Small RNAs Control Quorum Sensing in <i>Vibrio harveyi</i> and <i>Vibrio cholerae</i> . Cell, 2004, 118, 69-82.	13.5	904
10	Bacterial Small-Molecule Signaling Pathways. Science, 2006, 311, 1113-1116.	6.0	868
11	How bacteria talk to each other: regulation of gene expression by quorum sensing. Current Opinion in Microbiology, 1999, 2, 582-587.	2.3	854
12	Quorum-sensing regulators control virulence gene expression in <i>Vibrio cholerae</i> . Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3129-3134.	3.3	800
13	Quorum sensing controls biofilm formation in <i>Vibrio cholerae</i> . Molecular Microbiology, 2003, 50, 101-104.	1.2	760
14	Small Talk. Cell, 2002, 109, 421-424.	13.5	704
15	Intercellular signalling in <i>Vibrio harveyi</i> : sequence and function of genes regulating expression of luminescence. Molecular Microbiology, 1993, 9, 773-786.	1.2	690
16	Bacterial quorum sensing in complex and dynamically changing environments. Nature Reviews Microbiology, 2019, 17, 371-382.	13.6	683
17	A quorum-sensing inhibitor blocks <i>Pseudomonas aeruginosa</i> virulence and biofilm formation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17981-17986.	3.3	628
18	Multiple signalling systems controlling expression of luminescence in <i>Vibrio harveyi</i> : sequence and function of genes encoding a second sensory pathway. Molecular Microbiology, 1994, 13, 273-286.	1.2	624

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19	LuxS quorum sensing: more than just a numbers game. <i>Current Opinion in Microbiology</i> , 2003, 6, 191-197.	2.3	616
20	Parallel Quorum Sensing Systems Converge to Regulate Virulence in <i>Vibrio cholerae</i> . <i>Cell</i> , 2002, 110, 303-314.	13.5	598
21	<i>Salmonella typhimurium</i> Recognizes a Chemically Distinct Form of the Bacterial Quorum-Sensing Signal AI-2. <i>Molecular Cell</i> , 2004, 15, 677-687.	4.5	502
22	Three Parallel Quorum-Sensing Systems Regulate Gene Expression in <i>Vibrio harveyi</i> . <i>Journal of Bacteriology</i> , 2004, 186, 6902-6914.	1.0	487
23	Interspecies communication in bacteria. <i>Journal of Clinical Investigation</i> , 2003, 112, 1291-1299.	3.9	463
24	The Mechanical World of Bacteria. <i>Cell</i> , 2015, 161, 988-997.	13.5	422
25	The languages of bacteria. <i>Genes and Development</i> , 2001, 15, 1468-1480.	2.7	405
26	The major <i>Vibrio cholerae</i> autoinducer and its role in virulence factor production. <i>Nature</i> , 2007, 450, 883-886.	13.7	399
27	Chemical communication among bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14549-14554.	3.3	393
28	Surviving as a Community: Antibiotic Tolerance and Persistence in Bacterial Biofilms. <i>Cell Host and Microbe</i> , 2019, 26, 15-21.	5.1	380
29	Regulation of Uptake and Processing of the Quorum-Sensing Autoinducer AI-2 in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2005, 187, 238-248.	1.0	379
30	Quorum Sensing Controls Biofilm Formation in <i>Vibrio cholerae</i> through Modulation of Cyclic Di-GMP Levels and Repression of <i>vpsT</i> . <i>Journal of Bacteriology</i> , 2008, 190, 2527-2536.	1.0	378
31	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
32	Autoinducer 2: a concentration-dependent signal for mutualistic bacterial biofilm growth. <i>Molecular Microbiology</i> , 2006, 60, 1446-1456.	1.2	327
33	The LuxS-dependent autoinducer AI-2 controls the expression of an ABC transporter that functions in AI-2 uptake in <i>Salmonella typhimurium</i> . <i>Molecular Microbiology</i> , 2008, 42, 777-793.	1.2	319
34	Solutions to the Public Goods Dilemma in Bacterial Biofilms. <i>Current Biology</i> , 2014, 24, 50-55.	1.8	307
35	CsrA and three redundant small RNAs regulate quorum sensing in <i>Vibrio cholerae</i> . <i>Molecular Microbiology</i> , 2005, 58, 1186-1202.	1.2	304
36	Quorum Sensing Regulates Type III Secretion in <i>Vibrio harveyi</i> and <i>Vibrio parahaemolyticus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 3794-3805.	1.0	296

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37	Bacterial social engagements. <i>Trends in Cell Biology</i> , 2004, 14, 648-656.	3.6	295
38	Regulation of quorum sensing in <i>Vibrio harveyi</i> by LuxO and Sigma-54. <i>Molecular Microbiology</i> , 2000, 36, 940-954.	1.2	288
39	Biofilm streamers cause catastrophic disruption of flow with consequences for environmental and medical systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4345-4350.	3.3	283
40	Lsr-mediated transport and processing of AI-2 in <i>Salmonella typhimurium</i> . <i>Molecular Microbiology</i> , 2003, 50, 1411-1427.	1.2	278
41	Interference with AI-2-mediated bacterial cell-cell communication. <i>Nature</i> , 2005, 437, 750-753.	13.7	268
42	AphA and LuxR/HapR reciprocally control quorum sensing in vibrios. <i>Genes and Development</i> , 2011, 25, 397-408.	2.7	266
43	Ligand-Induced Asymmetry in Histidine Sensor Kinase Complex Regulates Quorum Sensing. <i>Cell</i> , 2006, 126, 1095-1108.	13.5	258
44	<i>Vibrio harveyi</i> quorum sensing: a coincidence detector for two autoinducers controls gene expression. <i>EMBO Journal</i> , 2003, 22, 870-881.	3.5	253
45	Multiple small RNAs act additively to integrate sensory information and control quorum sensing in <i>Vibrio harveyi</i> . <i>Genes and Development</i> , 2007, 21, 221-233.	2.7	248
46	A Host-Produced Quorum-Sensing Autoinducer Controls a Phage Lysis-Lysogeny Decision. <i>Cell</i> , 2019, 176, 268-280.e13.	13.5	248
47	A Strategy for Antagonizing Quorum Sensing. <i>Molecular Cell</i> , 2011, 42, 199-209.	4.5	246
48	Quorum sensing controls the <i>Pseudomonas aeruginosa</i> CRISPR-Cas adaptive immune system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 131-135.	3.3	227
49	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
50	The <i>Vibrio harveyi</i> quorum-sensing system uses shared regulatory components to discriminate between multiple autoinducers. <i>Genes and Development</i> , 2006, 20, 2754-2767.	2.7	204
51	Flavonoids Suppress <i>Pseudomonas aeruginosa</i> Virulence through Allosteric Inhibition of Quorum-sensing Receptors. <i>Journal of Biological Chemistry</i> , 2017, 292, 4064-4076.	1.6	199
52	Regulation of LuxPQ Receptor Activity by the Quorum-Sensing Signal Autoinducer-2. <i>Molecular Cell</i> , 2005, 18, 507-518.	4.5	193
53	Differential RNA-seq of <i>Vibrio cholerae</i> identifies the VqmR small RNA as a regulator of biofilm formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E766-75.	3.3	191
54	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

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55	A fitness trade-off between local competition and dispersal in <i>Vibrio cholerae</i> biofilms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14181-14185.	3.3	183
56	Regulation of autoinducer production in <i>Salmonella typhimurium</i> . <i>Molecular Microbiology</i> , 1999, 31, 585-595.	1.2	180
57	Regulatory small RNAs circumvent the conventional quorum sensing pathway in pandemic <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11145-11149.	3.3	180
58	A <i>Vibrio cholerae</i> autoinducer-receptor pair that controls biofilm formation. <i>Nature Chemical Biology</i> , 2017, 13, 551-557.	3.9	179
59	Architectural transitions in <i>Vibrio cholerae</i> biofilms at single-cell resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2066-72.	3.3	178
60	Extracellular matrix structure governs invasion resistance in bacterial biofilms. <i>ISME Journal</i> , 2015, 9, 1700-1709.	4.4	172
61	Information processing and signal integration in bacterial quorum sensing. <i>Molecular Systems Biology</i> , 2009, 5, 325.	3.2	165
62	<i>Vibrio cholerae</i> biofilm growth program and architecture revealed by single-cell live imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5337-43.	3.3	159
63	A genetic analysis of the functions of LuxN: a two-component hybrid sensor kinase that regulates quorum sensing in <i>Vibrio harveyi</i> . <i>Molecular Microbiology</i> , 2000, 35, 139-149.	1.2	157
64	Sequence and function of LuxO, a negative regulator of luminescence in <i>Vibrio harveyi</i> . <i>Molecular Microbiology</i> , 1994, 12, 403-412.	1.2	156
65	Adhesion as a weapon in microbial competition. <i>ISME Journal</i> , 2015, 9, 139-149.	4.4	156
66	Phosphorylation and Processing of the Quorum-Sensing Molecule Autoinducer-2 in Enteric Bacteria. <i>ACS Chemical Biology</i> , 2007, 2, 128-136.	1.6	153
67	The RhlR quorum-sensing receptor controls <i>Pseudomonas aeruginosa</i> pathogenesis and biofilm development independently of its canonical homoserine lactone autoinducer. <i>PLoS Pathogens</i> , 2017, 13, e1006504.	2.1	146
68	Quantifying the Integration of Quorum-Sensing Signals with Single-Cell Resolution. <i>PLoS Biology</i> , 2009, 7, e1000068.	2.6	145
69	Quorum Sensing in <i>Chromobacterium violaceum</i> : DNA Recognition and Gene Regulation by the CviR Receptor. <i>Journal of Bacteriology</i> , 2011, 193, 3871-3878.	1.0	138
70	A Qrr Noncoding RNA Deploys Four Different Regulatory Mechanisms to Optimize Quorum-Sensing Dynamics. <i>Cell</i> , 2015, 160, 228-240.	13.5	137
71	Local and global consequences of flow on bacterial quorum sensing. <i>Nature Microbiology</i> , 2016, 1, 15005.	5.9	137
72	A Host-Produced Autoinducer-2 Mimic Activates Bacterial Quorum Sensing. <i>Cell Host and Microbe</i> , 2016, 19, 470-480.	5.1	134

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73	The <i>Vibrio harveyi</i> master quorum-sensing regulator, LuxR, a TetR-type protein is both an activator and a repressor: DNA recognition and binding specificity at target promoters. <i>Molecular Microbiology</i> , 2008, 70, 76-88.	1.2	131
74	Signal production and detection specificity in <i>Vibrio</i> CqsA/CqsS quorum-sensing systems. <i>Molecular Microbiology</i> , 2011, 79, 1407-1417.	1.2	128
75	Mob Psychology. <i>Journal of Bacteriology</i> , 2002, 184, 873-883.	1.0	124
76	Negative Feedback Loops Involving Small Regulatory RNAs Precisely Control the <i>Vibrio harveyi</i> Quorum-Sensing Response. <i>Molecular Cell</i> , 2010, 37, 567-579.	4.5	123
77	An Expedient Synthesis of DPD and Boron Binding Studies. <i>Organic Letters</i> , 2005, 7, 569-572.	2.4	121
78	Extracellular-matrix-mediated osmotic pressure drives <i>Vibrio cholerae</i> biofilm expansion and cheater exclusion. <i>Nature Communications</i> , 2017, 8, 327.	5.8	119
79	Individual and Combined Roles of the Master Regulators AphA and LuxR in Control of the <i>Vibrio harveyi</i> Quorum-Sensing Regulon. <i>Journal of Bacteriology</i> , 2013, 195, 436-443.	1.0	117
80	Cutting through the complexity of cell collectives. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122770.	1.2	111
81	A negative feedback loop involving small RNAs accelerates <i>Vibrio cholerae</i> 's transition out of quorum-sensing mode. <i>Genes and Development</i> , 2008, 22, 226-238.	2.7	110
82	Cell position fates and collective fountain flow in bacterial biofilms revealed by light-sheet microscopy. <i>Science</i> , 2020, 369, 71-77.	6.0	106
83	Quorum-sensing non-coding small RNAs use unique pairing regions to differentially control mRNA targets. <i>Molecular Microbiology</i> , 2012, 83, 599-611.	1.2	105
84	Mechanism of <i>Vibrio cholerae</i> Autoinducer-1 Biosynthesis. <i>ACS Chemical Biology</i> , 2011, 6, 356-365.	1.6	103
85	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
86	The PqsE and RhIR proteins are an autoinducer synthase-receptor pair that control virulence and biofilm development in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9411-E9418.	3.3	101
87	Gene dosage compensation calibrates four regulatory RNAs to control <i>Vibrio cholerae</i> quorum sensing. <i>EMBO Journal</i> , 2009, 28, 429-439.	3.5	100
88	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
89	Distinct Sensory Pathways in <i>Vibrio cholerae</i> El Tor and Classical Biotypes Modulate Cyclic Dimeric GMP Levels To Control Biofilm Formation. <i>Journal of Bacteriology</i> , 2009, 191, 169-177.	1.0	98
90	The <i>Vibrio cholerae</i> quorum-sensing autoinducer CAI-1: analysis of the biosynthetic enzyme CqsA. <i>Nature Chemical Biology</i> , 2009, 5, 891-895.	3.9	98

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91	Surface-attached molecules control <i>Staphylococcus aureus</i> quorum sensing and biofilm development. <i>Nature Microbiology</i> , 2017, 2, 17080.	5.9	95
92	SnapShot: Bacterial Quorum Sensing. <i>Cell</i> , 2018, 174, 1328-1328.e1.	13.5	94
93	Verticalization of bacterial biofilms. <i>Nature Physics</i> , 2018, 14, 954-960.	6.5	92
94	The Quorum-Sensing Molecule Autoinducer 2 Regulates Motility and Flagellar Morphogenesis in <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2007, 189, 6109-6117.	1.0	84
95	Quorum regulatory small <i>scp</i> RNAs repress type VI secretion in <i>Vibrio cholerae</i> . <i>Molecular Microbiology</i> , 2014, 92, 921-930.	1.2	84
96	Nonuniform growth and surface friction determine bacterial biofilm morphology on soft substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7622-7632.	3.3	82
97	Analysis of Activator and Repressor Functions Reveals the Requirements for Transcriptional Control by LuxR, the Master Regulator of Quorum Sensing in <i>Vibrio harveyi</i> . <i>MBio</i> , 2013, 4, .	1.8	81
98	The small nucleoid protein Fis is involved in <i>Vibrio cholerae</i> quorum sensing. <i>Molecular Microbiology</i> , 2007, 63, 859-71.	1.2	78
99	Broad Spectrum Pro-Quorum-Sensing Molecules as Inhibitors of Virulence in <i>Vibrios</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002767.	2.1	76
100	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
101	Active regulation of receptor ratios controls integration of quorum sensing signals in <i>Vibrio harveyi</i> . <i>Molecular Systems Biology</i> , 2011, 7, 491.	3.2	68
102	Structural determinants driving homoserine lactone ligand selection in the <i>Pseudomonas aeruginosa</i> LasR quorum-sensing receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 245-254.	3.3	68
103	Mechanical instability and interfacial energy drive biofilm morphogenesis. <i>ELife</i> , 2019, 8, .	2.8	67
104	Social Evolution Selects for Redundancy in Bacterial Quorum Sensing. <i>PLoS Biology</i> , 2016, 14, e1002386.	2.6	67
105	Flow environment and matrix structure interact to determine spatial competition in <i>Pseudomonas aeruginosa</i> biofilms. <i>ELife</i> , 2017, 6, .	2.8	65
106	Functional determinants of the quorum-sensing non-coding RNAs and their roles in target regulation. <i>EMBO Journal</i> , 2013, 32, 2158-2171.	3.5	64
107	The intragenus and interspecies quorum-sensing autoinducers exert distinct control over <i>Vibrio cholerae</i> biofilm formation and dispersal. <i>PLoS Biology</i> , 2019, 17, e3000429.	2.6	64
108	Bacterial Biofilm Material Properties Enable Removal and Transfer by Capillary Peeling. <i>Advanced Materials</i> , 2018, 30, e1804153.	11.1	62

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109	Measurement of the Copy Number of the Master Quorum-Sensing Regulator of a Bacterial Cell. <i>Biophysical Journal</i> , 2010, 98, 2024-2031.	0.2	57
110	Probing bacterial transmembrane histidine kinase receptor–ligand interactions with natural and synthetic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5575-5580.	3.3	56
111	Chemical synthesis of S-ribosyl-l-homocysteine and activity assay as a LuxS substrate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 3897-3900.	1.0	52
112	Temperature, by Controlling Growth Rate, Regulates CRISPR-Cas Activity in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2018, 9, .	1.8	52
113	Al-1 Influences the Kinase Activity but Not the Phosphatase Activity of LuxN of <i>Vibrio harveyi</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 24398-24404.	1.6	51
114	Quorum sensing controls <i>Vibrio cholerae</i> multicellular aggregate formation. <i>ELife</i> , 2018, 7, .	2.8	51
115	Control of the Type 3 Secretion System in <i>Vibrio harveyi</i> by Quorum Sensing through Repression of ExsA. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4996-5004.	1.4	50
116	Filaments in curved streamlines: rapid formation of <i>Staphylococcus aureus</i> biofilm streamers. <i>New Journal of Physics</i> , 2014, 16, 065024.	1.2	50
117	Development of Potent Inhibitors of Pyocyanin Production in <i>Pseudomonas aeruginosa</i> . <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1298-1306.	2.9	50
118	Societal interactions in ovarian cancer metastasis: a quorum-sensing hypothesis. <i>Clinical and Experimental Metastasis</i> , 2009, 26, 67-76.	1.7	48
119	Modulating <i>Vibrio cholerae</i> Quorum-Sensing-Controlled Communication Using Autoinducer-Loaded Nanoparticles. <i>Nano Letters</i> , 2015, 15, 2235-2241.	4.5	47
120	Phage-Encoded LuxR-Type Receptors Responsive to Host-Produced Bacterial Quorum-Sensing Autoinducers. <i>MBio</i> , 2019, 10, .	1.8	46
121	Roadmap on emerging concepts in the physical biology of bacterial biofilms: from surface sensing to community formation. <i>Physical Biology</i> , 2021, 18, 051501.	0.8	46
122	Environmental fluctuation governs selection for plasticity in biofilm production. <i>ISME Journal</i> , 2017, 11, 1569-1577.	4.4	45
123	Quorum Sensing Regulates the Osmotic Stress Response in <i>Vibrio harveyi</i> . <i>Journal of Bacteriology</i> , 2015, 197, 73-80.	1.0	44
124	Ligand and antagonist driven regulation of the <i>Vibrio cholerae</i> quorum-sensing receptor CqsS. <i>Molecular Microbiology</i> , 2012, 83, 1095-1108.	1.2	43
125	Photosensing and quorum sensing are integrated to control <i>Pseudomonas aeruginosa</i> collective behaviors. <i>PLoS Biology</i> , 2019, 17, e3000579.	2.6	43
126	Asymmetric regulation of quorum-sensing receptors drives autoinducer-specific gene expression programs in <i>Vibrio cholerae</i> . <i>PLoS Genetics</i> , 2017, 13, e1006826.	1.5	41

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127	Boron Binding with the Quorum Sensing Signal AI-2 and Analogues. <i>Organic Letters</i> , 2004, 6, 2635-2637.	2.4	39
128	Observing bacteria through the lens of social evolution. <i>Journal of Biology</i> , 2008, 7, 27.	2.7	37
129	The PqsE-RhIR Interaction Regulates RhIR DNA Binding to Control Virulence Factor Production in <i>Pseudomonas aeruginosa</i> . <i>Microbiology Spectrum</i> , 2022, 10, e0210821.	1.2	36
130	Quorum sensing across bacterial and viral domains. <i>PLoS Pathogens</i> , 2021, 17, e1009074.	2.1	34
131	Determinants governing ligand specificity of the <i>Vibrio harveyi</i> LuxN quorum-sensing receptor. <i>Molecular Microbiology</i> , 2015, 95, 127-142.	1.2	33
132	Structure, Regulation, and Inhibition of the Quorum-Sensing Signal Integrator LuxO. <i>PLoS Biology</i> , 2016, 14, e1002464.	2.6	32
133	Quorum Sensing Influences <i>Vibrio harveyi</i> Growth Rates in a Manner Not Fully Accounted For by the Marker Effect of Bioluminescence. <i>PLoS ONE</i> , 2008, 3, e1671.	1.1	31
134	Time-resolved proteomic analysis of quorum sensing in <i>Vibrio harveyi</i> . <i>Chemical Science</i> , 2016, 7, 1797-1806.	3.7	31
135	Separating Functions of the Phage-Encoded Quorum-Sensing-Activated Antirepressor Qtip. <i>Cell Host and Microbe</i> , 2020, 27, 629-641.e4.	5.1	31
136	Chemotaxis to chitin oligosaccharides by <i>Vibrio furnissii</i> , a chitinivorous marine bacterium. <i>Biochemical and Biophysical Research Communications</i> , 1989, 161, 1172-1176.	1.0	30
137	An autoinducer-independent RhIR quorum-sensing receptor enables analysis of RhIR regulation. <i>PLoS Pathogens</i> , 2019, 15, e1007820.	2.1	30
138	An Autoinducer Analogue Reveals an Alternative Mode of Ligand Binding for the LasR Quorum-Sensing Receptor. <i>ACS Chemical Biology</i> , 2019, 14, 378-389.	1.6	30
139	Mechanism underlying autoinducer recognition in the <i>Vibrio cholerae</i> DPO-VqmA quorum-sensing pathway. <i>Journal of Biological Chemistry</i> , 2020, 295, 2916-2931.	1.6	29
140	<i>Caenorhabditis elegans</i> Recognizes a Bacterial Quorum-sensing Signal Molecule through the AWCON Neuron. <i>Journal of Biological Chemistry</i> , 2014, 289, 26566-26573.	1.6	28
141	Inhibitor Mimetic Mutations in the <i>Pseudomonas aeruginosa</i> PqsE Enzyme Reveal a Protein-Protein Interaction with the Quorum-Sensing Receptor RhIR That Is Vital for Virulence Factor Production. <i>ACS Chemical Biology</i> , 2021, 16, 740-752.	1.6	27
142	Identification of signaling pathways, matrix-digestion enzymes, and motility components controlling <i>Vibrio cholerae</i> biofilm dispersal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32639-32647.	3.3	26
143	Comprehensive analysis reveals how single nucleotides contribute to noncoding RNA function in bacterial quorum sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6038-47.	3.3	25
144	Small molecule probes of the receptor binding site in the <i>Vibrio cholerae</i> CAI-1 quorum sensing circuit. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6906-6918.	1.4	23

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145	Discovery of PqsE Thioesterase Inhibitors for <i>Pseudomonas aeruginosa</i> Using DNA-Encoded Small Molecule Library Screening. ACS Chemical Biology, 2020, 15, 446-456.	1.6	22
146	The <i>Vibrio cholerae</i> Quorum-Sensing Protein VqmA Integrates Cell Density, Environmental, and Host-Derived Cues into the Control of Virulence. MBio, 2020, 11, .	1.8	21
147	<i>Vibrio fischeri</i> siderophore production drives competitive exclusion during dual-species growth. Molecular Microbiology, 2020, 114, 244-261.	1.2	21
148	Inverse regulation of <i>Vibrio cholerae</i> biofilm dispersal by polyamine signals. ELife, 2021, 10, .	2.8	21
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