

Everett Greenberg

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117
papers

13,535
citations

54
h-index

116
g-index

131
ext. papers

15,638
ext. citations

9.8
avg, IF

6.69
L-index

#	Paper	IF	Citations
117	Regulation of gene expression by cell-to-cell communication: acyl-homoserine lactone quorum sensing. <i>Annual Review of Genetics</i> , 2001 , 35, 439-68	14.5	1123
116	Census and consensus in bacterial ecosystems: the LuxR-LuxI family of quorum-sensing transcriptional regulators. <i>Annual Review of Microbiology</i> , 1996 , 50, 727-51	17.5	941
115	Listening in on bacteria: acyl-homoserine lactone signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2002 , 3, 685-95	48.7	829
114	A component of innate immunity prevents bacterial biofilm development. <i>Nature</i> , 2002 , 417, 552-5	50.4	815
113	Iron and <i>Pseudomonas aeruginosa</i> biofilm formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 11076-81	11.5	556
112	Progress in and promise of bacterial quorum sensing research. <i>Nature</i> , 2017 , 551, 313-320	50.4	517
111	A network of networks: quorum-sensing gene regulation in <i>Pseudomonas aeruginosa</i> . <i>International Journal of Medical Microbiology</i> , 2006 , 296, 73-81	3.7	444
110	Quorum sensing in <i>Staphylococcus aureus</i> biofilms. <i>Journal of Bacteriology</i> , 2004 , 186, 1838-50	3.5	431
109	Acyl-homoserine lactone quorum sensing: from evolution to application. <i>Annual Review of Microbiology</i> , 2013 , 67, 43-63	17.5	390
108	Chelator-induced dispersal and killing of <i>Pseudomonas aeruginosa</i> cells in a biofilm. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 2064-9	4.8	361
107	Self perception in bacteria: quorum sensing with acylated homoserine lactones. <i>Current Opinion in Microbiology</i> , 1998 , 1, 183-9	7.9	251
106	<i>Pseudomonas aeruginosa</i> biofilms exposed to imipenem exhibit changes in global gene expression and beta-lactamase and alginate production. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 1175-87	5.9	244
105	Novel <i>Pseudomonas aeruginosa</i> quorum-sensing inhibitors identified in an ultra-high-throughput screen. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 3674-9	5.9	234
104	Bacterial quorum sensing and metabolic incentives to cooperate. <i>Science</i> , 2012 , 338, 264-6	33.3	219
103	The potential of desferrioxamine-gallium as an anti- <i>Pseudomonas</i> therapeutic agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 16761-6	11.5	197
102	Activity of purified QscR, a <i>Pseudomonas aeruginosa</i> orphan quorum-sensing transcription factor. <i>Molecular Microbiology</i> , 2006 , 59, 602-9	4.1	191
101	The single-nucleotide resolution transcriptome of <i>Pseudomonas aeruginosa</i> grown in body temperature. <i>PLoS Pathogens</i> , 2012 , 8, e1002945	7.6	179

100	Activity of abundant antimicrobials of the human airway. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1999 , 20, 872-9	5.7	176
99	A distinct QscR regulon in the <i>Pseudomonas aeruginosa</i> quorum-sensing circuit. <i>Journal of Bacteriology</i> , 2006 , 188, 3365-70	3.5	170
98	Human and murine paraoxonase 1 are host modulators of <i>Pseudomonas aeruginosa</i> quorum-sensing. <i>FEMS Microbiology Letters</i> , 2005 , 253, 29-37	2.9	167
97	Global position analysis of the <i>Pseudomonas aeruginosa</i> quorum-sensing transcription factor LasR. <i>Molecular Microbiology</i> , 2009 , 73, 1072-85	4.1	161
96	The <i>Vibrio fischeri</i> quorum-sensing systems ain and lux sequentially induce luminescence gene expression and are important for persistence in the squid host. <i>Molecular Microbiology</i> , 2003 , 50, 319-31	4.1	161
95	Genetic determinants of self identity and social recognition in bacteria. <i>Science</i> , 2008 , 321, 256-9	33.3	151
94	Influence of quorum sensing and iron on twitching motility and biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 662-71	3.5	144
93	Quorum sensing and policing of <i>Pseudomonas aeruginosa</i> social cheaters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2187-91	11.5	137
92	Hfq-dependent alterations of the transcriptome profile and effects on quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2006 , 59, 1542-58	4.1	135
91	LasR Variant Cystic Fibrosis Isolates Reveal an Adaptable Quorum-Sensing Hierarchy in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2016 , 7,	7.8	130
90	A structurally unrelated mimic of a <i>Pseudomonas aeruginosa</i> acyl-homoserine lactone quorum-sensing signal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 16948-52	11.5	117
89	Early activation of quorum sensing in <i>Pseudomonas aeruginosa</i> reveals the architecture of a complex regulon. <i>BMC Genomics</i> , 2007 , 8, 287	4.5	116
88	Increase in rhamnolipid synthesis under iron-limiting conditions influences surface motility and biofilm formation in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2010 , 192, 2973-80	3.5	112
87	Quorum-sensing control of antibiotic synthesis in <i>Burkholderia thailandensis</i> . <i>Journal of Bacteriology</i> , 2009 , 191, 3909-18	3.5	101
86	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, 1557-65	4.1	98
85	<i>Vibrio parahaemolyticus</i> ScrC modulates cyclic dimeric GMP regulation of gene expression relevant to growth on surfaces. <i>Journal of Bacteriology</i> , 2008 , 190, 851-60	3.5	93
84	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, 15763-8	11.5	90
83	Evolution of the quorum-sensing hierarchy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7027-7032	11.5	89

82	Aryl-homoserine lactone quorum sensing in stem-nodulating photosynthetic bradyrhizobia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 7183-8	11.5	88
81	Isovaleryl-homoserine lactone, an unusual branched-chain quorum-sensing signal from the soybean symbiont <i>Bradyrhizobium japonicum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16765-70	11.5	84
80	Quorum-sensing-regulated bactobolin production by <i>Burkholderia thailandensis</i> E264. <i>Organic Letters</i> , 2010 , 12, 716-9	6.2	83
79	Quorum sensing signals in development of <i>Pseudomonas aeruginosa</i> biofilms. <i>Methods in Enzymology</i> , 1999 , 310, 43-55	1.7	83
78	Strain-dependent diversity in the <i>Pseudomonas aeruginosa</i> quorum-sensing regulon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E2823-31	11.5	81
77	Bacterial quorum sensing, cooperativity, and anticipation of stationary-phase stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19775-80	11.5	81
76	Bacterial communication and group behavior. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1288-1290	15.9	75
75	Transcriptome analysis of the <i>Vibrio fischeri</i> LuxR-LuxI regulon. <i>Journal of Bacteriology</i> , 2007 , 189, 8387-93	9.5	74
74	Mutational analysis of <i>Burkholderia thailandensis</i> quorum sensing and self-aggregation. <i>Journal of Bacteriology</i> , 2009 , 191, 5901-9	3.5	72
73	Bacterial communication: tiny teamwork. <i>Nature</i> , 2003 , 424, 134	50.4	72
72	Acyl-homoserine lactone-dependent eavesdropping promotes competition in a laboratory co-culture model. <i>ISME Journal</i> , 2012 , 6, 2219-28	11.9	67
71	A high-throughput screen for quorum-sensing inhibitors that target acyl-homoserine lactone synthases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13815-20	11.5	64
70	Synthetic ligands that activate and inhibit a quorum-sensing regulator in <i>Pseudomonas aeruginosa</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 3072-5	2.9	63
69	Global analysis of the <i>Burkholderia thailandensis</i> quorum sensing-controlled regulon. <i>Journal of Bacteriology</i> , 2014 , 196, 1412-24	3.5	61
68	Generation of virulence factor variants in <i>Staphylococcus aureus</i> biofilms. <i>Journal of Bacteriology</i> , 2007 , 189, 7961-7	3.5	61
67	Enhancement of antimicrobial activity against <i>pseudomonas aeruginosa</i> by coadministration of G10KHc and tobramycin. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 3833-8	5.9	58
66	Contribution of the RsaL global regulator to <i>Pseudomonas aeruginosa</i> virulence and biofilm formation. <i>FEMS Microbiology Letters</i> , 2009 , 301, 210-7	2.9	56
65	A mutational analysis defines <i>Vibrio fischeri</i> LuxR binding sites. <i>Journal of Bacteriology</i> , 2008 , 190, 4392-3	3.5	55

64	Acyl-homoserine lactone binding to and stability of the orphan <i>Pseudomonas aeruginosa</i> quorum-sensing signal receptor QscR. <i>Journal of Bacteriology</i> , 2011 , 193, 421-8	3.5	50
63	The two-component response regulator PprB modulates quorum-sensing signal production and global gene expression in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2005 , 56, 1287-301	4.1	48
62	Social cheating in a quorum-sensing variant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7021-7026	11.5	47
61	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, 10673-8	11.5	47
60	Quorum sensing control of Type VI secretion factors restricts the proliferation of quorum-sensing mutants. <i>ELife</i> , 2016 , 5,	8.9	45
59	Linear osmoregulated periplasmic glucans are encoded by the <i>opgGH</i> locus of <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2007 , 153, 3255-3263	2.9	44
58	Quorum Sensing Signal Selectivity and the Potential for Interspecies Cross Talk. <i>MBio</i> , 2019 , 10,	7.8	43
57	Rapid evolution of culture-impaired bacteria during adaptation to biofilm growth. <i>Cell Reports</i> , 2014 , 6, 293-300	10.6	43
56	LuxR- and luxI-type quorum-sensing circuits are prevalent in members of the <i>Populus deltoides</i> microbiome. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 5745-52	4.8	43
55	Role of flagella in virulence of the coral pathogen <i>Vibrio coralliilyticus</i> . <i>Applied and Environmental Microbiology</i> , 2009 , 75, 5704-7	4.8	43
54	Anaerobic p-coumarate degradation by <i>Rhodopseudomonas palustris</i> and identification of CouR, a MarR repressor protein that binds p-coumaroyl coenzyme A. <i>Journal of Bacteriology</i> , 2012 , 194, 1960-7	3.5	42
53	Octanoyl-homoserine lactone is the cognate signal for <i>Burkholderia mallei</i> BmaR1-Bmal1 quorum sensing. <i>Journal of Bacteriology</i> , 2007 , 189, 5034-40	3.5	41
52	Bacterial communication and group behavior. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1288-90	15.9	38
51	Sociality in <i>Escherichia coli</i> : Enterochelin Is a Private Good at Low Cell Density and Can Be Shared at High Cell Density. <i>Journal of Bacteriology</i> , 2015 , 197, 2122-2128	3.5	37
50	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	11.5	37
49	The genetic basis for the commitment to chronic versus acute infection in <i>Pseudomonas aeruginosa</i> . <i>Molecular Cell</i> , 2004 , 16, 497-8	17.6	37
48	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, 3862-71	3.5	36
47	Hydrogel Effects Rapid Biofilm Debridement with ex situ Contact-Kill to Eliminate Multidrug Resistant Bacteria in vivo. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20356-20367	9.5	34

46	Sources of diversity in bactobolin biosynthesis by <i>Burkholderia thailandensis</i> E264. <i>Organic Letters</i> , 2011 , 13, 3048-51	6.2	33
45	Activity of the <i>Rhodopseudomonas palustris</i> p-coumaroyl-homoserine lactone-responsive transcription factor RpaR. <i>Journal of Bacteriology</i> , 2011 , 193, 2598-607	3.5	33
44	Bactobolin A binds to a site on the 70S ribosome distinct from previously seen antibiotics. <i>Journal of Molecular Biology</i> , 2015 , 427, 753-755	6.5	32
43	An evolving perspective on the <i>Pseudomonas aeruginosa</i> orphan quorum sensing regulator QscR. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014 , 4, 152	5.9	32
42	Bactobolin resistance is conferred by mutations in the L2 ribosomal protein. <i>MBio</i> , 2012 , 3,	7.8	32
41	The Orphan Quorum Sensing Signal Receptor QscR Regulates Global Quorum Sensing Gene Expression by Activating a Single Linked Operon. <i>MBio</i> , 2018 , 9,	7.8	32
40	Microwave synthesis and evaluation of phenacylhomoserine lactones as anticancer compounds that minimally activate quorum sensing pathways in <i>Pseudomonas aeruginosa</i> . <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 1569-75	8.3	31
39	The <i>Burkholderia mallei</i> BmaR3-BmaI3 quorum-sensing system produces and responds to N-3-hydroxy-octanoyl homoserine lactone. <i>Journal of Bacteriology</i> , 2008 , 190, 5137-41	3.5	30
38	Quorum Sensing Influences <i>Burkholderia thailandensis</i> Biofilm Development and Matrix Production. <i>Journal of Bacteriology</i> , 2016 , 198, 2643-50	3.5	29
37	A <i>Burkholderia thailandensis</i> Acyl-Homoserine Lactone-Independent Orphan LuxR Homolog That Activates Production of the Cytotoxin Malleilactone. <i>Journal of Bacteriology</i> , 2015 , 197, 3456-62	3.5	27
36	Reversible signal binding by the <i>Pseudomonas aeruginosa</i> quorum-sensing signal receptor LasR. <i>MBio</i> , 2011 , 2, e00011-11	7.8	27
35	Delays in <i>Pseudomonas aeruginosa</i> quorum-controlled gene expression are conditional. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9008-13	11.5	25
34	Territoriality in <i>Proteus</i> : advertisement and aggression. <i>Chemical Reviews</i> , 2011 , 111, 188-94	68.1	24
33	Identity gene expression in <i>Proteus mirabilis</i> . <i>Journal of Bacteriology</i> , 2011 , 193, 3286-92	3.5	22
32	Quorum Sensing in a Methane-Oxidizing Bacterium. <i>Journal of Bacteriology</i> , 2017 , 199,	3.5	21
31	Primary radiation therapy in the treatment of squamous cell carcinoma of the soft palate. <i>Cancer</i> , 1989 , 63, 2442-5	6.4	21
30	A 5TUTR-Derived sRNA Regulates RhlR-Dependent Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2019 , 10,	7.8	20
29	A plant-responsive bacterial-signaling system senses an ethanolamine derivative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9785-9790	11.5	20

28	Tundrenone: An Atypical Secondary Metabolite from Bacteria with Highly Restricted Primary Metabolism. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2002-2006	16.4	19
27	Virulence of Burkholderia mallei quorum-sensing mutants. <i>Infection and Immunity</i> , 2013 , 81, 1471-8	3.7	19
26	BadR and BadM Proteins Transcriptionally Regulate Two Operons Needed for Anaerobic Benzoate Degradation by Rhodopseudomonas palustris. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 4253-62	4.8	18
25	An aryl-homoserine lactone quorum-sensing signal produced by a dimorphic prosthecate bacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 7587-7592	11.5	18
24	A LuxR Homolog in a Cottonwood Tree Endophyte That Activates Gene Expression in Response to a Plant Signal or Specific Peptides. <i>MBio</i> , 2016 , 7,	7.8	17
23	Homolog-Linked Biosynthetic Gene Clusters in. <i>MSystems</i> , 2018 , 3,	7.6	16
22	Positive Autoregulation of an Acyl-Homoserine Lactone Quorum-Sensing Circuit Synchronizes the Population Response. <i>MBio</i> , 2017 , 8,	7.8	16
21	The basis of silver staining of bacterial lipopolysaccharides in polyacrylamide gels. <i>Current Microbiology</i> , 1986 , 13, 29-31	2.4	16
20	Antisense RNA that affects Rhodopseudomonas palustris quorum-sensing signal receptor expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12141-6	11.5	15
19	Rifampin as a selective agent for the enumeration and isolation of spirochetes from salt marsh habitats. <i>Current Microbiology</i> , 1981 , 5, 303-306	2.4	15
18	Evolution of acyl-substrate recognition by a family of acyl-homoserine lactone synthases. <i>PLoS ONE</i> , 2014 , 9, e112464	3.7	14
17	Designer broad-spectrum polyimidazolium antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 31376-31385	11.5	12
16	Gene Duplication in Pseudomonas aeruginosa Improves Growth on Adenosine. <i>Journal of Bacteriology</i> , 2017 , 199,	3.5	10
15	Virulence Factor Identification in the Banana Pathogen Dickeya zeae MS2. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	7
14	Modulation of Quorum Sensing by Glutathione. <i>Journal of Bacteriology</i> , 2019 , 201,	3.5	7
13	The intracellular polyglucose storage granules of Spirochaeta aurantia. <i>Archives of Microbiology</i> , 1988 , 150, 289-295	3	6
12	Interspecies Chemical Signaling in a Methane-Oxidizing Bacterial Community. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	5
11	"Hot Stuff": The Many Uses of a Radiolabel Assay in Detecting Acyl-Homoserine Lactone Quorum-Sensing Signals. <i>Methods in Molecular Biology</i> , 2018 , 1673, 35-47	1.4	5

10	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	4.9	4
9	A Glycosylated Cationic Block Poly(ε-peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. <i>Angewandte Chemie</i> , 2020 , 132, 6886-6893	3.6	3
8	Woody Hastings: 65 years of fun. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14964-5	11.5	2
7	Quorum Sensing in Burkholderia40-57		2
6	Evolution of the Quorum Sensing Regulon in Cooperating Populations of Pseudomonas aeruginosa.. <i>MBio</i> , 2022 , 13, e0016122	7.8	2
5	Dynamics of cheater invasion in a cooperating population of Pseudomonas aeruginosa. <i>Scientific Reports</i> , 2019 , 9, 10190	4.9	1
4	AHL signals induce rubrifacine production in a brul mutant of Brenneria rubrifaciens. <i>Phytopathology</i> , 2012 , 102, 195-203	3.8	1
3	Ironing Out the Biofilm Problem:The Role of Iron in Biofilm Formation. <i>Springer Series on Biofilms</i> , 2008 , 141-156		1
2	Pseudomonas aeruginosa quorum sensing: A target for antipa thogenic drug discovery. <i>Pharmacochemistry Library</i> , 2002 , 207-212		1
1	The Pseudomonas aeruginosa whole genome sequence: A 20th anniversary celebration. <i>Advances in Microbial Physiology</i> , 2021 , 79, 25-88	4.4	1