Eric V Stabb

List of Publications by Year
in descending order

68 papers	3,310 citations	159585 30 h-index	155660 55 g-index
85 all docs	85 docs citations	85 times ranked	2596 citing authors

#	Article	IF	Citations
1	Vibrio fischeri Amidase Activity Is Required for Normal Cell Division, Motility, and Symbiotic Competence. Applied and Environmental Microbiology, 2021, 87, .	3.1	2
2	Wavelike propagation of quorum activation through a spatially distributed bacterial population under natural regulation. Physical Biology, 2021, 18, 046008.	1.8	0
3	A lasting symbiosis: how Vibrio fischeri finds a squid partner and persists within its natural host. Nature Reviews Microbiology, 2021, 19, 654-665.	28.6	68
4	Dimension-reduction simplifies the analysis of signal crosstalk in a bacterial quorum sensing pathway. Scientific Reports, 2021, 11, 19719.	3.3	1
5	A Chemical Counterpunch: Chromobacterium violaceum ATCC 31532 Produces Violacein in Response to Translation-Inhibiting Antibiotics. MBio, 2020, 11, .	4.1	23
6	Spatially propagating activation of quorum sensing in Vibrio fischeri and the transition to low population density. Physical Review E, 2020, 101, 062421.	2.1	5
7	Special Meeting Sections for the 7th Conference on Beneficial Microbes. Applied and Environmental Microbiology, 2019, 85, .	3.1	0
8	Bacterial Analogs of Plant Tetrahydropyridine Alkaloids Mediate Microbial Interactions in a Rhizosphere Model System. Applied and Environmental Microbiology, 2019, 85, .	3.1	25
9	Bacterial Bioluminescence. , 2019, , .		0
10	Introducing THOR, a Model Microbiome for Genetic Dissection of Community Behavior. MBio, 2019, 10, .	4.1	48
11	Should they stay or should they go? Nitric oxide and the clash of regulators governing Vibrio fischeri biofilm formation. Molecular Microbiology, 2019, 111, 1-5.	2.5	5
12	Mutagenesis of Vibrio fischeri and Other Marine Bacteria Using Hyperactive Mini-Tn5 Derivatives. Methods in Molecular Biology, 2019, 2016, 87-104.	0.9	6
13	Vibrio fischeri DarR Directs Responses to d -Aspartate and Represents a Group of Similar LysR-Type Transcriptional Regulators. Journal of Bacteriology, 2018, 200, .	2.2	9
14	An Iterative, Synthetic Approach To Engineer a High-Performance PhoB-Specific Reporter. Applied and Environmental Microbiology, 2018, 84, .	3.1	8
15	Could Positive Feedback Enable Bacterial Pheromone Signaling To Coordinate Behaviors in Response to Heterogeneous Environmental Cues?. MBio, 2018, 9, .	4.1	11
16	An Expanded Transposon Mutant Library Reveals that Vibrio fischeri Î´-Aminolevulinate Auxotrophs Can Colonize Euprymna scolopes. Applied and Environmental Microbiology, 2017, 83, .	3.1	9
17	Comparative analysis reveals regulatory motifs at the ainS/ainR pheromone-signaling locus of Vibrio fischeri. Scientific Reports, 2017, 7, 11734.	3.3	6
18	Metabolite exchange between microbiome members produces compounds that influence Drosophila behavior. ELife, 2017, 6, .	6.0	152

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19	Genomic and Secondary Metabolite Analyses of Streptomyces sp. 2AW Provide Insight into the Evolution of the Cycloheximide Pathway. Frontiers in Microbiology, 2016, 7, 573.	3.5	17
20	Antisocial luxO Mutants Provide a Stationary-Phase Survival Advantage in Vibrio fischeri ES114. Journal of Bacteriology, 2016, 198, 673-687.	2.2	24
21	Rethinking the roles of CRP, cAMP, and sugar-mediated global regulation in the Vibrionaceae. Current Genetics, 2016, 62, 39-45.	1.7	20
22	Growth on glucose decreases <scp>cAMP</scp>â€“<scp>CRP</scp> activity while paradoxically increasing intracellular <scp>cAMP</scp> in the lightâ€organ symbiont <scp>V</scp>ibrio fischeri. Molecular Microbiology, 2015, 97, 1114-1127.	2.5	14
23	Modeling Analysis of Signal Sensitivity and Specificity by Vibrio fischeri LuxR Variants. PLoS ONE, 2015, 10, e0126474.	2.5	24
24	Regulation of Bioluminescence in Photobacterium leiognathi Strain KNH6. Journal of Bacteriology, 2015, 197, 3676-3685.	2.2	19
25	Bright luminescence of <scp>V</scp>ibrio fischeri aconitase mutants reveals a connection between citrate and the <scp>G</scp>ac/<scp>C</scp>sr regulatory system. Molecular Microbiology, 2015, 95, 283-296.	2.5	30
26	Vibrio fisheri: Squid Symbiosis. , 2013, , 497-532.		33
27	Substrate Specificity and Function of the Pheromone Receptor AinR in Vibrio fischeri ES114. Journal of Bacteriology, 2013, 195, 5223-5232.	2.2	27
28	The Iron-Dependent Regulator Fur Controls Pheromone Signaling Systems and Luminescence in the Squid Symbiont Vibrio fischeri ES114. Applied and Environmental Microbiology, 2013, 79, 1826-1834.	3.1	20
29	Cyclic AMP Receptor Protein Regulates Pheromone-Mediated Bioluminescence at Multiple Levels in Vibrio fischeri ES114. Journal of Bacteriology, 2013, 195, 5051-5063.	2.2	28
30	Symbiotic Characterization of Vibrio fischeri ES114 Mutants That Display Enhanced Luminescence in Culture. Applied and Environmental Microbiology, 2013, 79, 2480-2483.	3.1	7
31	Who turned on the lights?: What the regulation of bacterial bioluminescence tells us about this and other bacterial group behaviours. Biochemist, 2013, 35, 18-23.	0.5	2
32	Coordination of the Arc Regulatory System and Pheromone-Mediated Positive Feedback in Controlling the Vibrio fischeri lux Operon. PLoS ONE, 2012, 7, e49590.	2.5	27
33	The haemâ€uptake gene cluster in Vibrio fischeri is regulated by Fur and contributes to symbiotic colonization. Environmental Microbiology, 2011, 13, 2855-2864.	3.8	40
34	Attenuation of host NO production by MAMPs potentiates development of the host in the squid-vibrio symbiosis. Cellular Microbiology, 2011, 13, 527-537.	2.1	49
35	The Escherichia coli Protein YfeX Functions as a Porphyrinogen Oxidase, Not a Heme Dechelatase. MBio, 2011, 2, e00248-11.	4.1	45
36	The Lipid A from Vibrio fischeri Lipopolysaccharide. Journal of Biological Chemistry, 2011, 286, 21203-21219.	3.4	31

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37	Contribution of Rapid Evolution of theluxR-luxIIntergenic Region to the Diverse Bioluminescence Outputs ofVibrio fischeriStrains Isolated from Different Environments. Applied and Environmental Microbiology, 2011, 77, 2445-2457.	3.1	33
38	FNR-mediated regulation of bioluminescence and anaerobic respiration in the light-organ symbiontVibrio fischeri. FEMS Microbiology Letters, 2010, 306, 72-81.	1.8	14
39	The alternative oxidase (AOX) gene in Vibrio fischeri is controlled by NsrR and upregulated in response to nitric oxide. Molecular Microbiology, 2010, 77, 44-55.	2.5	50
40	Bright Mutants ofVibrio fischeriES114 Reveal Conditions and Regulators That Control Bioluminescence and Expression of theluxOperon. Journal of Bacteriology, 2010, 192, 5103-5114.	2.2	44
41	Mutations in ampG and Lytic Transglycosylase Genes Affect the Net Release of Peptidoglycan Monomers from Vibrio fischeri. Journal of Bacteriology, 2009, 191, 2012-2022.	2.2	42
42	A single regulatory gene is sufficient to alter bacterial host range. Nature, 2009, 458, 215-218.	27.8	177
43	Peptidoglycan induces loss of a nuclear peptidoglycan recognition protein during host tissue development in a beneficial animal-bacterial symbiosis. Cellular Microbiology, 2009, 11, 1114-1127.	2.1	83
44	Is the Vibrio fischeri-;Euprymna scolopes Symbiosis a Defensive Mutualism?. Mycology, 2009, , .	0.5	7
45	Effects of luxCDABEG induction in Vibrio fischeri: enhancement of symbiotic colonization and conditional attenuation of growth in culture. Archives of Microbiology, 2008, 190, 169-183.	2.2	98
46	The twin arginine translocation system contributes to symbiotic colonization ofEuprymna scolopesbyVibrio fischeri. FEMS Microbiology Letters, 2008, 279, 251-258.	1.8	8
47	Comparative genomics-based investigation of resequencing targets in Vibrio fischeri: Focus on point miscalls and artefactual expansions. BMC Genomics, 2008, 9, 138.	2.8	72
48	Effective Mutagenesis of Vibrio fischeri by Using Hyperactive Mini-Tn 5 Derivatives. Applied and Environmental Microbiology, 2008, 74, 7059-7063.	3.1	36
49	Identification of a Cellobiose Utilization Gene Cluster with Cryptic Î²-Galactosidase Activity in Vibrio fischeri. Applied and Environmental Microbiology, 2008, 74, 4059-4069.	3.1	19
50	Genetic Analysis of Trimethylamine N -Oxide Reductases in the Light Organ Symbiont Vibrio fischeri ES114. Journal of Bacteriology, 2008, 190, 5814-5823.	2.2	28
51	Characterization of htrB and msbB Mutants of the Light Organ Symbiont Vibrio fischeri. Applied and Environmental Microbiology, 2008, 74, 633-644.	3.1	19
52	Bioluminescence in Vibrio fischeri is controlled by the redox-responsive regulator ArcA. Molecular Microbiology, 2007, 65, 538-553.	2.5	101
53	Beyond quorum sensing: the complexities of prokaryotic parliamentary procedures. Analytical and Bioanalytical Chemistry, 2007, 387, 391-398.	3.7	32
54	Breaching the great wall: peptidoglycan and microbial interactions. Nature Reviews Microbiology, 2006, 4, 710-716.	28.6	113

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55	New rfp - and pES213-Derived Tools for Analyzing Symbiotic Vibrio fischeri Reveal Patterns of Infection and lux Expression In Situ. Applied and Environmental Microbiology, 2006, 72, 802-810.	3.1	256
56	Photolyase Confers Resistance to UV Light but Does Not Contribute to the Symbiotic Benefit of Bioluminescence in Vibrio fischeri ES114. Applied and Environmental Microbiology, 2006, 72, 6600-6606.	3.1	19
57	Characterization of pES213, a small mobilizable plasmid from Vibrio fischeri. Plasmid, 2005, 54, 114-134.	1.4	78
58	Culture-Independent Characterization of the Microbiota of the Ant Lion Myrmeleon mobilis (Neuroptera: Myrmeleontidae). Applied and Environmental Microbiology, 2005, 71, 8784-8794.	3.1	67
59	Localization and bacteriostasis of introduced into the Pacific white shrimp,. Developmental and Comparative Immunology, 2005, 29, 681-691.	2.3	71
60	Correlation between Osmolarity and Luminescence of Symbiotic Vibrio fischeri Strain ES114. Journal of Bacteriology, 2004, 186, 2906-2908.	2.2	36
61	Microbial Factor-Mediated Development in a Host-Bacterial Mutualism. Science, 2004, 306, 1186-1188.	12.6	339
62	Contribution of pilA to Competitive Colonization of the Squid Euprymna scolopes by Vibrio fischeri. Applied and Environmental Microbiology, 2003, 69, 820-826.	3.1	55
63	Population Dynamics of Vibrio fischeri during Infection of Euprymna scolopes. Applied and Environmental Microbiology, 2003, 69, 5928-5934.	3.1	104
64	RP4-based plasmids for conjugation between Escherichia coli and members of the vibrionaceae. Methods in Enzymology, 2002, 358, 413-426.	1.0	208
65	Vibrio fischeri Genes hvnA and hvnB Encode Secreted NAD + -Glycohydrolases. Journal of Bacteriology, 2001, 183, 309-317.	2.2	104
66	Target Range of Zwittermicin A, an Aminopolyol Antibiotic from Bacillus cereus. Current Microbiology, 1998, 37, 6-11.	2.2	111
67	Genetic analysis of zwittermicin A resistance in Escherichia coli: effects on membrane potential and RNA polymerase. Molecular Microbiology, 1998, 27, 311-322.	2.5	27
68	The Vibrio fischeri-Euprymna scolopes Light Organ Symbiosis. , 0, , 204-218.		23