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	Microbial Factor-Mediated Development in a Host-Bacterial Mutualism. Science, 2004, 306, 1186-1188.	12.6	339
2	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
3	RP4-based plasmids for conjugation between Escherichia coli and members of the vibrionaceae. Methods in Enzymology, 2002, 358, 413-426.	1.0	208
4	A single regulatory gene is sufficient to alter bacterial host range. Nature, 2009, 458, 215-218.	27.8	177
5	Metabolite exchange between microbiome members produces compounds that influence Drosophila behavior. ELife, 2017, 6, .	6.0	152
6	Breaching the great wall: peptidoglycan and microbial interactions. Nature Reviews Microbiology, 2006, 4, 710-716.	28.6	113
7	Target Range of Zwittermicin A, an Aminopolyol Antibiotic from Bacillus cereus. Current Microbiology, 1998, 37, 6-11.	2.2	111
8	Vibrio fischeri Genes hvnA and hvnB Encode Secreted NAD + -Glycohydrolases. Journal of Bacteriology, 2001, 183, 309-317.	2.2	104
9	Population Dynamics of Vibrio fischeri during Infection of Euprymna scolopes. Applied and Environmental Microbiology, 2003, 69, 5928-5934.	3.1	104
10	Bioluminescence in Vibrio fischeri is controlled by the redox-responsive regulator ArcA. Molecular Microbiology, 2007, 65, 538-553.	2.5	101
11	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
12	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
13	Characterization of pES213, a small mobilizable plasmid from Vibrio fischeri. Plasmid, 2005, 54, 114-134.	1.4	78
14	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
15	Localization and bacteriostasis of introduced into the Pacific white shrimp,. Developmental and Comparative Immunology, 2005, 29, 681-691.	2.3	71
16	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
17	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
18	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

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19	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
20	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
21	Introducing THOR, a Model Microbiome for Genetic Dissection of Community Behavior. MBio, 2019, 10, .	4.1	48
22	The Escherichia coli Protein YfeX Functions as a Porphyrinogen Oxidase, Not a Heme Dechelatase. MBio, 2011, 2, e00248-11.	4.1	45
23	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
24	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
25	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
26	Correlation between Osmolarity and Luminescence of Symbiotic Vibrio fischeri Strain ES114. Journal of Bacteriology, 2004, 186, 2906-2908.	2.2	36
27	Effective Mutagenesis of Vibrio fischeri by Using Hyperactive Mini-Tn 5 Derivatives. Applied and Environmental Microbiology, 2008, 74, 7059-7063.	3.1	36
28	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
29	Vibrio fisheri: Squid Symbiosis. , 2013, , 497-532.		33
30	Beyond quorum sensing: the complexities of prokaryotic parliamentary procedures. Analytical and Bioanalytical Chemistry, 2007, 387, 391-398.	3.7	32
31	The Lipid A from Vibrio fischeri Lipopolysaccharide. Journal of Biological Chemistry, 2011, 286, 21203-21219.	3.4	31
32	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
33	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
34	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
35	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
36	Substrate Specificity and Function of the Pheromone Receptor AinR in Vibrio fischeri ES114. Journal of Bacteriology, 2013, 195, 5223-5232.	2.2	27

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37	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
38	Bacterial Analogs of Plant Tetrahydropyridine Alkaloids Mediate Microbial Interactions in a Rhizosphere Model System. Applied and Environmental Microbiology, 2019, 85, .	3.1	25
39	Modeling Analysis of Signal Sensitivity and Specificity by Vibrio fischeri LuxR Variants. PLoS ONE, 2015, 10, e0126474.	2.5	24
40	Antisocial luxO Mutants Provide a Stationary-Phase Survival Advantage in Vibrio fischeri ES114. Journal of Bacteriology, 2016, 198, 673-687.	2.2	24
41	A Chemical Counterpunch: Chromobacterium violaceum ATCC 31532 Produces Violacein in Response to Translation-Inhibiting Antibiotics. MBio, 2020, 11, .	4.1	23
42	The Vibrio fischeri-Euprymna scolopes Light Organ Symbiosis. , 0, , 204-218.		23
43	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
44	Rethinking the roles of CRP, cAMP, and sugar-mediated global regulation in the Vibrionaceae. Current Genetics, 2016, 62, 39-45.	1.7	20
45	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
46	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
47	Characterization of htrB and msbB Mutants of the Light Organ Symbiont Vibrio fischeri. Applied and Environmental Microbiology, 2008, 74, 633-644.	3.1	19
48	Regulation of Bioluminescence in Photobacterium leiognathi Strain KNH6. Journal of Bacteriology, 2015, 197, 3676-3685.	2.2	19
49	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
50	FNR-mediated regulation of bioluminescence and anaerobic respiration in the light-organ symbiontVibrio fischeri. FEMS Microbiology Letters, 2010, 306, 72-81.	1.8	14
51	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
52	Could Positive Feedback Enable Bacterial Pheromone Signaling To Coordinate Behaviors in Response to Heterogeneous Environmental Cues?. MBio, 2018, 9, .	4.1	11
53	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
54	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

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55	The twin arginine translocation system contributes to symbiotic colonization ofEuprymna scolopesbyVibrio fischeri. FEMS Microbiology Letters, 2008, 279, 251-258.	1.8	8
56	An Iterative, Synthetic Approach To Engineer a High-Performance PhoB-Specific Reporter. Applied and Environmental Microbiology, 2018, 84, .	3.1	8
57	Symbiotic Characterization of Vibrio fischeri ES114 Mutants That Display Enhanced Luminescence in Culture. Applied and Environmental Microbiology, 2013, 79, 2480-2483.	3.1	7
58	Is the Vibrio fischeri-;Euprymna scolopes Symbiosis a Defensive Mutualism?. Mycology, 2009, , .	0.5	7
59	Comparative analysis reveals regulatory motifs at the ainS/ainR pheromone-signaling locus of Vibrio fischeri. Scientific Reports, 2017, 7, 11734.	3.3	6
60	Mutagenesis of Vibrio fischeri and Other Marine Bacteria Using Hyperactive Mini-Tn5 Derivatives. Methods in Molecular Biology, 2019, 2016, 87-104.	0.9	6
61	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
62	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
63	Vibrio fischeri Amidase Activity Is Required for Normal Cell Division, Motility, and Symbiotic Competence. Applied and Environmental Microbiology, 2021, 87, .	3.1	2
64	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
65	Dimension-reduction simplifies the analysis of signal crosstalk in a bacterial quorum sensing pathway. Scientific Reports, 2021, 11, 19719.	3.3	1
66	Special Meeting Sections for the 7th Conference on Beneficial Microbes. Applied and Environmental Microbiology, 2019, 85, .	3.1	0
67	Bacterial Bioluminescence. , 2019, , .		0
68	Wavelike propagation of quorum activation through a spatially distributed bacterial population under natural regulation. Physical Biology, 2021, 18, 046008.	1.8	0