Karen L Visick

List of Publications by Year
in descending order

81 papers	3,847 citations	126708 33 h-index	133063 59 g-index
85 all docs	85 docs citations	85 times ranked	2848 citing authors

#	Article	IF	Citations
1	Vibrio biofilms: so much the same yet so different. Trends in Microbiology, 2009, 17, 109-118.	3.5	399
2	Vibrio fischeri lux Genes Play an Important Role in Colonization and Development of the Host Light Organ. Journal of Bacteriology, 2000, 182, 4578-4586.	1.0	321
3	Get the Message Out: Cyclic-Di-GMP Regulates Multiple Levels of Flagellum-Based Motility. Journal of Bacteriology, 2008, 190, 463-475.	1.0	208
4	A single regulatory gene is sufficient to alter bacterial host range. Nature, 2009, 458, 215-218.	13.7	177
5	An Exclusive Contract: Specificity in the Vibrio fischeri-Euprymna scolopes Partnership. Journal of Bacteriology, 2000, 182, 1779-1787.	1.0	148
6	Vibrio fischeri and its host: it takes two to tango. Current Opinion in Microbiology, 2006, 9, 632-638.	2.3	139
7	A novel, conserved cluster of genes promotes symbiotic colonization and Ïƒ54-dependent biofilm formation byVibrio fischeri. Molecular Microbiology, 2005, 57, 1485-1498.	1.2	128
8	The symbiosis regulator RscS controls the syp gene locus, biofilm formation and symbiotic aggregation by Vibrio fischeri. Molecular Microbiology, 2006, 62, 1586-1600.	1.2	127
9	The Periplasmic, Group III Catalase of <i>Vibrio fischeri</i> Is Required for Normal Symbiotic Competence and Is Induced Both by Oxidative Stress and by Approach to Stationary Phase. Journal of Bacteriology, 1998, 180, 2087-2092.	1.0	119
10	Vibrio fischeri Ïƒ 54 Controls Motility, Biofilm Formation, Luminescence, and Colonization. Applied and Environmental Microbiology, 2004, 70, 2520-2524.	1.4	116
11	Decoding Microbial Chatter: Cell-Cell Communication in Bacteria. Journal of Bacteriology, 2005, 187, 5507-5519.	1.0	111
12	Bioluminescence in Vibrio fischeri is controlled by the redox-responsive regulator ArcA. Molecular Microbiology, 2007, 65, 538-553.	1.2	101
13	Two-Component Sensor Required for Normal Symbiotic Colonization of Euprymna scolopes by Vibrio fischeri. Journal of Bacteriology, 2001, 183, 835-842.	1.0	93
14	An intricate network of regulators controls biofilm formation and colonization by <i>Vibrio fischeri</i>. Molecular Microbiology, 2009, 74, 782-789.	1.2	80
15	Chemoattraction of Vibrio fischeri to Serine, Nucleosides, and N -Acetylneuraminic Acid, a Component of Squid Light-Organ Mucus. Applied and Environmental Microbiology, 2003, 69, 7527-7530.	1.4	76
16	A lasting symbiosis: how Vibrio fischeri finds a squid partner and persists within its natural host. Nature Reviews Microbiology, 2021, 19, 654-665.	13.6	68
17	Roles of the Structural Symbiosis Polysaccharide (<i>syp</i>) Genes in Host Colonization, Biofilm Formation, and Polysaccharide Biosynthesis in Vibrio fischeri. Journal of Bacteriology, 2012, 194, 6736-6747.	1.0	65
18	RscS Functions Upstream of SypG To Control the <i>syp</i> Locus and Biofilm Formation in <i>Vibrio fischeri</i>. Journal of Bacteriology, 2008, 190, 4576-4583.	1.0	64

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19	Two-Component Response Regulators of Vibrio fischeri : Identification, Mutagenesis, and Characterization. Journal of Bacteriology, 2007, 189, 5825-5838.	1.0	63
20	The Putative Hybrid Sensor Kinase SypF Coordinates Biofilm Formation in<i>Vibrio fischeri</i>by Acting Upstream of Two Response Regulators, SypG and VpsR. Journal of Bacteriology, 2008, 190, 4941-4950.	1.0	55
21	The Cyclic-di-GMP Phosphodiesterase BinA Negatively Regulates Cellulose-Containing Biofilms in<i>Vibrio fischeri</i>. Journal of Bacteriology, 2010, 192, 1269-1278.	1.0	54
22	Discovery of Calcium as a Biofilm-Promoting Signal for Vibrio fischeri Reveals New Phenotypes and Underlying Regulatory Complexity. Journal of Bacteriology, 2018, 200, .	1.0	50
23	Diguanylate Cyclases Control Magnesium-Dependent Motility of Vibrio fischeri. Journal of Bacteriology, 2006, 188, 8196-8205.	1.0	47
24	Magnesium Promotes Flagellation of Vibrio fischeri. Journal of Bacteriology, 2005, 187, 2058-2065.	1.0	45
25	CysK Plays a Role in Biofilm Formation and Colonization by Vibrio fischeri. Applied and Environmental Microbiology, 2015, 81, 5223-5234.	1.4	44
26	The response regulator <scp>SypE</scp> controls biofilm formation and colonization through phosphorylation of the <scp><i>syp</i></scp>â€encoded regulator <scp>SypA</scp> in <i><scp>V</scp>ibrio fischeri</i>. Molecular Microbiology, 2013, 87, 509-525.	1.2	43
27	Tools for Rapid Genetic Engineering of Vibrio fischeri. Applied and Environmental Microbiology, 2018, 84, .	1.4	42
28	Impact of Salt and Nutrient Content on Biofilm Formation by Vibrio fischeri. PLoS ONE, 2017, 12, e0169521.	1.1	42
29	The model squidâ€"vibrio symbiosis provides a window into the impact of strainâ€and speciesâ€level differences during the initial stages of symbiont engagement. Environmental Microbiology, 2019, 21, 3269-3283.	1.8	41
30	Role for Phosphoglucomutase in Vibrio fischeri-Euprymna scolopes Symbiosis. Journal of Bacteriology, 2002, 184, 5121-5129.	1.0	40
31	Inactivation of a novel response regulator is necessary for biofilm formation and host colonization by <i>Vibrio fischeri</i>. Molecular Microbiology, 2011, 82, 114-130.	1.2	40
32	Sensor Kinase RscS Induces the Production of Antigenically Distinct Outer Membrane Vesicles That Depend on the Symbiosis Polysaccharide Locus in Vibrio fischeri. Journal of Bacteriology, 2012, 194, 185-194.	1.0	38
33	Gimme shelter: how Vibrio fischeri successfully navigates an animalâ€™s multiple environments. Frontiers in Microbiology, 2013, 4, 356.	1.5	37
34	<scp>LuxU</scp> connects quorum sensing to biofilm formation in <i><scp>V</scp>ibrio fischeri</i>. Molecular Microbiology, 2012, 86, 954-970.	1.2	36
35	Signaling between two interacting sensor kinases promotes biofilms and colonization by a bacterial symbiont. Molecular Microbiology, 2015, 96, 233-248.	1.2	36
36	Control of biofilm formation and colonization in <i>Vibrio fischeri</i>: a role for partner switching?. Environmental Microbiology, 2010, 12, 2051-2059.	1.8	34

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37	Vibrio fisheri: Squid Symbiosis. , 2013, , 497-532.		33
38	Nitric oxide inhibits biofilm formation by <i>Vibrio fischeri</i> via the nitric oxide sensor HnoX. Molecular Microbiology, 2019, 111, 187-203.	1.2	29
39	Arabinose Induces Pellicle Formation by Vibrio fischeri. Applied and Environmental Microbiology, 2013, 79, 2069-2080.	1.4	27
40	The syp Enhancer Sequence Plays a Key Role in Transcriptional Activation by the Â54-Dependent Response Regulator SypG and in Biofilm Formation and Host Colonization by Vibrio fischeri. Journal of Bacteriology, 2013, 195, 5402-5412.	1.0	24
41	Inhibition of SypG-Induced Biofilms and Host Colonization by the Negative Regulator SypE in Vibrio fischeri. PLoS ONE, 2013, 8, e60076.	1.1	24
42	The putative oligosaccharide translocase SypK connects biofilm formation with quorum signaling in <i> <scp>V</scp> ibrio fischeri </i>. MicrobiologyOpen, 2014, 3, 836-848.	1.2	21
43	The Hybrid Sensor Kinase RscS Integrates Positive and Negative Signals To Modulate Biofilm Formation in <i>Vibrio fischeri</i>. Journal of Bacteriology, 2008, 190, 4437-4446.	1.0	20
44	Identification of a Novel Matrix Protein That Promotes Biofilm Maturation in Vibrio fischeri. Journal of Bacteriology, 2015, 197, 518-528.	1.0	20
45	Biofilms 2015: Multidisciplinary Approaches Shed Light into Microbial Life on Surfaces. Journal of Bacteriology, 2016, 198, 2553-2563.	1.0	20
46	Layers of Signaling in a Bacterium-Host Association. Journal of Bacteriology, 2005, 187, 3603-3606.	1.0	19
47	Identification of a Cellobiose Utilization Gene Cluster with Cryptic Î²-Galactosidase Activity in <i>Vibrio fischeri</i>. Applied and Environmental Microbiology, 2008, 74, 4059-4069.	1.4	19
48	A Semi-quantitative Approach to Assess Biofilm Formation Using Wrinkled Colony Development. Journal of Visualized Experiments, 2012, , e4035.	0.2	19
49	Role for<i>cheR</i>of<i>Vibrio fischeri</i>in the<i>Vibrio</i>â€"squid symbiosis. Canadian Journal of Microbiology, 2012, 58, 29-38.	0.8	18
50	Using Colonization Assays and Comparative Genomics To Discover Symbiosis Behaviors and Factors in Vibrio fischeri. MBio, 2020, 11, .	1.8	17
51	The Sugar Phosphotransferase System of Vibrio fischeri Inhibits both Motility and Bioluminescence. Journal of Bacteriology, 2007, 189, 2571-2574.	1.0	16
52	Vibrio fischeri Biofilm Formation Prevented by a Trio of Regulators. Applied and Environmental Microbiology, 2018, 84, .	1.4	16
53	LapG mediates biofilm dispersal in <i>Vibrio fischeri</i> by controlling maintenance of the VCBSâ€containing adhesin LapV. Molecular Microbiology, 2020, 114, 742-761.	1.2	16
54	Biofilms 2018: a Diversity of Microbes and Mechanisms. Journal of Bacteriology, 2019, 201, .	1.0	14

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55	<i>Vibrio fischeri</i>: Laboratory Cultivation, Storage, and Common Phenotypic Assays. Current Protocols in Microbiology, 2020, 57, e103.	6.5	14
56	Control of Competence in Vibrio fischeri. Applied and Environmental Microbiology, 2021, 87, .	1.4	12
57	Calcium-Responsive Diguanylate Cyclase CasA Drives Cellulose-Dependent Biofilm Formation and Inhibits Motility in Vibrio fischeri. MBio, 2021, 12, e0257321.	1.8	12
58	Quorum Sensing and Cyclic di-GMP Exert Control Over Motility of Vibrio fischeri KB2B1. Frontiers in Microbiology, 2021, 12, 690459.	1.5	11
59	Para-Aminobenzoic Acid, Calcium, and c-di-GMP Induce Formation of Cohesive, Syp-Polysaccharide-Dependent Biofilms in Vibrio fischeri. MBio, 2021, 12, e0203421.	1.8	10
60	Role of Cyclic Di-GMP in the Regulatory Networks of <i>Escherichia coli</i>. , 0, , 230-252.		9
61	Assessing the function of STAS domain protein SypA in Vibrio fischeri using a comparative analysis. Frontiers in Microbiology, 2015, 6, 760.	1.5	9
62	Genetic Manipulation of <i>Vibrio fischeri</i>. Current Protocols in Microbiology, 2020, 59, e115.	6.5	9
63	<i>Aerococcus urinae</i> Isolated from Women with Lower Urinary Tract Symptoms: <i>In Vitro</i> Aggregation and Genome Analysis. Journal of Bacteriology, 2020, 202, .	1.0	9
64	Multiple factors contribute to keeping levels of the symbiosis regulator RscS low. FEMS Microbiology Letters, 2008, 285, 33-39.	0.7	8
65	Roles of Bacterial Regulators in the Symbiosis between Vibrio fischeri and Euprymna scolopes. , 2006, 41, 277-290.		6
66	Engineering Vibrio fischeri for Inducible Gene Expression. Open Microbiology Journal, 2014, 8, 122-129.	0.2	6
67	Mutational Analysis of <i>Vibrio fischeri</i> c-di-GMP-Modulating Genes Reveals Complex Regulation of Motility. Journal of Bacteriology, 2022, 204, .	1.0	6
68	Csr (Rsm) System and Its Overlap and Interplay with Cyclic Di-GMP Regulatory Systems. , 2014, , 201-214.		4
69	Roles of Diguanylate Cyclases and Phosphodiesterases in Motility and Biofilm Formation in<i>Vibrio fischeri</i>. , 0, , 186-200.		3
70	Symbiosis. Environmental Microbiology Reports, 2010, 2, 475-478.	1.0	2
71	Role of Cyclic Di-GMP in Biofilm Development and Signaling in Yersinia pestis. , 2014, , 270-281.		2
72	Cyclic Di-GMP Signaling in Vibrio cholerae. , 2014, , 253-269.		2

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73	Vibrio fischeri Amidase Activity Is Required for Normal Cell Division, Motility, and Symbiotic Competence. Applied and Environmental Microbiology, 2021, 87, .	1.4	2
74	The Core Pathway: Diguanylate Cyclases, Cyclic Di-GMP-Specific Phosphodiesterases, and Cyclic Di-GMP-Binding Proteins. , 0, , 37-56.		2
75	sRNA chaperone Hfq controls bioluminescence and other phenotypes through Qrr1-dependent and -independent mechanisms in Vibrio fischeri. Gene, 2022, 809, 146048.	1.0	2
76	Symbiosis research, technology, and education: Proceedings of the 6th International Symbiosis Society Congress held in Madison Wisconsin, USA, August 2009. Symbiosis, 2010, 51, 1-12.	1.2	1
77	Cyclic Di-GMP: Using the Past To Peer into the Future. , 2014, , 321-332.		1
78	The Scr Circuit in <i>Vibrio parahaemolyticus</i> Modulates Swarming and Sticking. , 0, , 173-185.		0
79	Role of Cyclic Di-GMP in Pseudomonas aeruginosa Biofilm Development. , 2014, , 156-172.		0
80	Hierarchical Control of rdar Morphotype Development of <i>Salmonella enterica</i> by Cyclic Di-GMP. , 0, , 137-155.		0
81	Choosing the Right Lifestyle: Regulation of Developmental Pathways by Cyclic Di-GMP. , 0, , 97-119.		0