Ankur B Dalia

List of Publications by Year
in descending order

45 papers	2,314 citations	279798 23 h-index	265206 42 g-index
72 all docs	72 docs citations	72 times ranked	2572 citing authors

#	Article	IF	Citations
1	Nitric oxide stimulates type IV MSHA pilus retraction in <i>Vibrio cholerae</i> via activation of the phosphodiesterase CdpA. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
2	Natural Transformation in a Classical-Biotype Vibrio cholerae Strain. Applied and Environmental Microbiology, 2021, 87, .	3.1	2
3	Competence pili in <i>Streptococcus pneumoniae</i> are highly dynamic structures that retract to promote DNA uptake. Molecular Microbiology, 2021, 116, 381-396.	2.5	28
4	The ChiS-Family DNA-Binding Domain Contains a Cryptic Helix-Turn-Helix Variant. MBio, 2021, 12, .	4.1	3
5	Fresh Extension of Vibrio cholerae Competence Type IV Pili Predisposes Them for Motor-Independent Retraction. Applied and Environmental Microbiology, 2021, 87, e0047821.	3.1	7
6	Acinetobacter baylyi regulates type IV pilus synthesis by employing two extension motors and a motor protein inhibitor. Nature Communications, 2021, 12, 3744.	12.8	13
7	Motor-independent retraction of type IV pili is governed by an inherent property of the pilus filament. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
8	Species-Specific Quorum Sensing Represses the Chitobiose Utilization Locus in Vibrio cholerae. Applied and Environmental Microbiology, 2020, 86, .	3.1	6
9	Prophage-Dependent Neighbor Predation Fosters Horizontal Gene Transfer by Natural Transformation. MSphere, 2020, 5, .	2.9	16
10	ChiS is a noncanonical DNA-binding hybrid sensor kinase that directly regulates the chitin utilization program in <i>Vibrio cholerae</i>. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20180-20189.	7.1	22
11	CryoEM structure of the type IVa pilus secretin required for natural competence in Vibrio cholerae. Nature Communications, 2020, 11, 5080.	12.8	21
12	A modular chromosomally integrated toolkit for ectopic gene expression in Vibrio cholerae. Scientific Reports, 2020, 10, 15398.	3.3	17
13	c-di-GMP modulates type IV MSHA pilus retraction and surface attachment in Vibrio cholerae. Nature Communications, 2020, 11, 1549.	12.8	70
14	PilT and PilU are homohexameric ATPases that coordinate to retract type IVa pili. PLoS Genetics, 2019, 15, e1008448.	3.5	46
15	The quorum sensing transcription factor AphA directly regulates natural competence in Vibrio cholerae. PLoS Genetics, 2019, 15, e1008362.	3.5	25
16	Real-time microscopy and physical perturbation of bacterial pili using maleimide-conjugated molecules. Nature Protocols, 2019, 14, 1803-1819.	12.0	61
17	Diversity in Natural Transformation Frequencies and Regulation across <i>Vibrio</i> Species. MBio, 2019, 10, .	4.1	29
18	A bifunctional ATPase drives tad pilus extension and retraction. Science Advances, 2019, 5, eaay2591.	10.3	39

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19	Spatiotemporal Analysis of DNA Integration during Natural Transformation Reveals a Mode of Nongenetic Inheritance in Bacteria. Cell, 2019, 179, 1499-1511.e10.	28.9	31
20	Title is missing!. , 2019, 15, e1008362.		0
21	Title is missing!. , 2019, 15, e1008362.		0
22	Title is missing!. , 2019, 15, e1008362.		0
23	Title is missing!. , 2019, 15, e1008362.		0
24	ComM is a hexameric helicase that promotes branch migration during natural transformation in diverse Gram-negative species. Nucleic Acids Research, 2018, 46, 6099-6111.	14.5	39
25	Natural Transformation in Vibrio parahaemolyticus: a Rapid Method To Create Genetic Deletions. Journal of Bacteriology, 2018, 200, .	2.2	14
26	Natural Cotransformation and Multiplex Genome Editing by Natural Transformation (MuGENT) of Vibrio cholerae. Methods in Molecular Biology, 2018, 1839, 53-64.	0.9	60
27	Systematic genetic dissection of PTS in <i>Vibrio cholerae</i> uncovers a novel glucose transporter and a limited role for PTS during infection of a mammalian host. Molecular Microbiology, 2017, 104, 568-579.	2.5	49
28	Acute Hepatopancreatic Necrosis Disease-Causing Vibrio parahaemolyticus Strains Maintain an Antibacterial Type VI Secretion System with Versatile Effector Repertoires. Applied and Environmental Microbiology, 2017, 83, .	3.1	88
29	Enhancing multiplex genome editing by natural transformation (MuGENT) via inactivation of ssDNA exonucleases. Nucleic Acids Research, 2017, 45, 7527-7537.	14.5	33
30	Multiplex Genome Editing by Natural Transformation (MuGENT) for Synthetic Biology in <i>Vibrio natriegens</i>. ACS Synthetic Biology, 2017, 6, 1650-1655.	3.8	101
31	Obstruction of pilus retraction stimulates bacterial surface sensing. Science, 2017, 358, 535-538.	12.6	231
32	Systematic genetic dissection of chitin degradation and uptake in <i>Vibrio cholerae</i>. Environmental Microbiology, 2017, 19, 4154-4163.	3.8	35
33	The nucleoid occlusion protein SlmA is a direct transcriptional activator of chitobiose utilization in Vibrio cholerae. PLoS Genetics, 2017, 13, e1006877.	3.5	17
34	RpoS is required for natural transformation of <i>Vibrio cholerae</i> through regulation of chitinases. Environmental Microbiology, 2016, 18, 3758-3767.	3.8	23
35	A globally distributed mobile genetic element inhibits natural transformation of <i>Vibrio cholerae</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10485-10490.	7.1	58
36	Unravelling the Multiple Functions of the Architecturally Intricate Streptococcus pneumoniae Î²-galactosidase, BgaA. PLoS Pathogens, 2014, 10, e1004364.	4.7	49

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37	Tolerance of a Phage Element by Streptococcus pneumoniae Leads to a Fitness Defect during Colonization. Journal of Bacteriology, 2014, 196, 2670-2680.	2.2	24
38	Identification of a Membrane-Bound Transcriptional Regulator That Links Chitin and Natural Competence in Vibrio cholerae. MBio, 2014, 5, e01028-13.	4.1	106
39	Multiplex genome editing by natural transformation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8937-8942.	7.1	196
40	Characterization of Undermethylated Sites in Vibrio cholerae. Journal of Bacteriology, 2013, 195, 2389-2399.	2.2	48
41	Increased Chain Length Promotes Pneumococcal Adherence and Colonization. Infection and Immunity, 2012, 80, 3454-3459.	2.2	65
42	Minimization of Bacterial Size Allows for Complement Evasion and Is Overcome by the Agglutinating Effect of Antibody. Cell Host and Microbe, 2011, 10, 486-496.	11.0	112
43	Inhibition of the Pneumococcal Virulence Factor StrH and Molecular Insights into N-Glycan Recognition and Hydrolysis. Structure, 2011, 19, 1603-1614.	3.3	38
44	Molecular Basis of Increased Serum Resistance among Pulmonary Isolates of Non-typeable Haemophilus influenzae. PLoS Pathogens, 2011, 7, e1001247.	4.7	82
45	Three Surface Exoglycosidases from Streptococcus pneumoniae, NanA, BgaA, and StrH, Promote Resistance to Opsonophagocytic Killing by Human Neutrophils. Infection and Immunity, 2010, 78, 2108-2116.	2.2	111