

Ankur B Dalia

List of Publications by Year in descending order

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Version: 2024-02-01

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	Obstruction of pilus retraction stimulates bacterial surface sensing. <i>Science</i> , 2017, 358, 535-538.	12.6	231
2	Multiplex genome editing by natural transformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8937-8942.	7.1	196
3	Minimization of Bacterial Size Allows for Complement Evasion and Is Overcome by the Agglutinating Effect of Antibody. <i>Cell Host and Microbe</i> , 2011, 10, 486-496.	11.0	112
4	Three Surface Exoglycosidases from <i>Streptococcus pneumoniae</i> , NanA, BgaA, and StrH, Promote Resistance to Opsonophagocytic Killing by Human Neutrophils. <i>Infection and Immunity</i> , 2010, 78, 2108-2116.	2.2	111
5	Identification of a Membrane-Bound Transcriptional Regulator That Links Chitin and Natural Competence in <i>Vibrio cholerae</i> . <i>MBio</i> , 2014, 5, e01028-13.	4.1	106
6	Multiplex Genome Editing by Natural Transformation (MuGENT) for Synthetic Biology in <i>Vibrio natriegens</i> . <i>ACS Synthetic Biology</i> , 2017, 6, 1650-1655.	3.8	101
7	Acute Hepatopancreatic Necrosis Disease-Causing <i>Vibrio parahaemolyticus</i> Strains Maintain an Antibacterial Type VI Secretion System with Versatile Effector Repertoires. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	88
8	Molecular Basis of Increased Serum Resistance among Pulmonary Isolates of Non-typeable <i>Haemophilus influenzae</i> . <i>PLoS Pathogens</i> , 2011, 7, e1001247.	4.7	82
9	c-di-GMP modulates type IV MSHA pilus retraction and surface attachment in <i>Vibrio cholerae</i> . <i>Nature Communications</i> , 2020, 11, 1549.	12.8	70
10	Increased Chain Length Promotes Pneumococcal Adherence and Colonization. <i>Infection and Immunity</i> , 2012, 80, 3454-3459.	2.2	65
11	Real-time microscopy and physical perturbation of bacterial pili using maleimide-conjugated molecules. <i>Nature Protocols</i> , 2019, 14, 1803-1819.	12.0	61
12	Natural Cotransformation and Multiplex Genome Editing by Natural Transformation (MuGENT) of <i>Vibrio cholerae</i> . <i>Methods in Molecular Biology</i> , 2018, 1839, 53-64.	0.9	60
13	A globally distributed mobile genetic element inhibits natural transformation of <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10485-10490.	7.1	58
14	Unravelling the Multiple Functions of the Architecturally Intricate <i>Streptococcus pneumoniae</i> β -galactosidase, BgaA. <i>PLoS Pathogens</i> , 2014, 10, e1004364.	4.7	49
15	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. <i>Molecular Microbiology</i> , 2017, 104, 568-579.	2.5	49
16	Characterization of Undermethylated Sites in <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , 2013, 195, 2389-2399.	2.2	48
17	PilT and PilU are homohexameric ATPases that coordinate to retract type IVa pili. <i>PLoS Genetics</i> , 2019, 15, e1008448.	3.5	46
18	ComM is a hexameric helicase that promotes branch migration during natural transformation in diverse Gram-negative species. <i>Nucleic Acids Research</i> , 2018, 46, 6099-6111.	14.5	39

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19	A bifunctional ATPase drives tad pilus extension and retraction. <i>Science Advances</i> , 2019, 5, eaay2591.	10.3	39
20	Inhibition of the Pneumococcal Virulence Factor StrH and Molecular Insights into N-Glycan Recognition and Hydrolysis. <i>Structure</i> , 2011, 19, 1603-1614.	3.3	38
21	Systematic genetic dissection of chitin degradation and uptake in <i>Vibrio cholerae</i> . <i>Environmental Microbiology</i> , 2017, 19, 4154-4163.	3.8	35
22	Enhancing multiplex genome editing by natural transformation (MuGENT) via inactivation of ssDNA exonucleases. <i>Nucleic Acids Research</i> , 2017, 45, 7527-7537.	14.5	33
23	Spatiotemporal Analysis of DNA Integration during Natural Transformation Reveals a Mode of Nongenetic Inheritance in Bacteria. <i>Cell</i> , 2019, 179, 1499-1511.e10.	28.9	31
24	Diversity in Natural Transformation Frequencies and Regulation across <i>Vibrio</i> Species. <i>MBio</i> , 2019, 10, .	4.1	29
25	Competence pili in <i>Streptococcus pneumoniae</i> are highly dynamic structures that retract to promote DNA uptake. <i>Molecular Microbiology</i> , 2021, 116, 381-396.	2.5	28
26	The quorum sensing transcription factor AphA directly regulates natural competence in <i>Vibrio cholerae</i> . <i>PLoS Genetics</i> , 2019, 15, e1008362.	3.5	25
27	Tolerance of a Phage Element by <i>Streptococcus pneumoniae</i> Leads to a Fitness Defect during Colonization. <i>Journal of Bacteriology</i> , 2014, 196, 2670-2680.	2.2	24
28	RpoS is required for natural transformation of <i>Vibrio cholerae</i> through regulation of chitinases. <i>Environmental Microbiology</i> , 2016, 18, 3758-3767.	3.8	23
29	ChiS is a noncanonical DNA-binding hybrid sensor kinase that directly regulates the chitin utilization program in <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20180-20189.	7.1	22
30	CryoEM structure of the type IVa pilus secretin required for natural competence in <i>Vibrio cholerae</i> . <i>Nature Communications</i> , 2020, 11, 5080.	12.8	21
31	A modular chromosomally integrated toolkit for ectopic gene expression in <i>Vibrio cholerae</i> . <i>Scientific Reports</i> , 2020, 10, 15398.	3.3	17
32	The nucleoid occlusion protein SlmA is a direct transcriptional activator of chitobiose utilization in <i>Vibrio cholerae</i> . <i>PLoS Genetics</i> , 2017, 13, e1006877.	3.5	17
33	Prophage-Dependent Neighbor Predation Fosters Horizontal Gene Transfer by Natural Transformation. <i>MSphere</i> , 2020, 5, .	2.9	16
34	Natural Transformation in <i>Vibrio parahaemolyticus</i> : a Rapid Method To Create Genetic Deletions. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	14
35	<i>Acinetobacter baylyi</i> regulates type IV pilus synthesis by employing two extension motors and a motor protein inhibitor. <i>Nature Communications</i> , 2021, 12, 3744.	12.8	13
36	Nitric oxide stimulates type IV MSHA pilus retraction in <i>Vibrio cholerae</i> via activation of the phosphodiesterase CdpA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	13

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37	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
38	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
39	Species-Specific Quorum Sensing Represses the Chitobiose Utilization Locus in Vibrio cholerae. Applied and Environmental Microbiology, 2020, 86, .	3.1	6
40	The ChiS-Family DNA-Binding Domain Contains a Cryptic Helix-Turn-Helix Variant. MBio, 2021, 12, .	4.1	3
41	Natural Transformation in a Classical-Biotype Vibrio cholerae Strain. Applied and Environmental Microbiology, 2021, 87, .	3.1	2
42	Title is missing!. , 2019, 15, e1008362.		0
43	Title is missing!. , 2019, 15, e1008362.		0
44	Title is missing!. , 2019, 15, e1008362.		0
45	Title is missing!. , 2019, 15, e1008362.		0