Timothy L Yahr

List of Publications by Year
in descending order

73	5,062	87843 38	95218 68
papers	citations	h-index	g-index

74	74	74	3436
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ExoY, an adenylate cyclase secreted by the Pseudomonas aeruginosa type III system. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 13899-13904.	3.3	404
2	Active and passive immunization with the Pseudomonas V antigen protects against type III intoxication and lung injury. Nature Medicine, 1999, 5, 392-398.	15.2	341
3	Exoenzyme S of Pseudomonas aeruginosa is secreted by a type III pathway. Molecular Microbiology, 1996, 22, 991-1003.	1.2	278
4	Regional Isolation Drives Bacterial Diversification within Cystic Fibrosis Lungs. Cell Host and Microbe, 2015, 18, 307-319.	5.1	278
5	Identification of type III secreted products of the Pseudomonas aeruginosa exoenzyme S regulon. Journal of Bacteriology, 1997, 179, 7165-7168.	1.0	215
6	Transcriptional regulation of thePseudomonas aeruginosatype III secretion system. Molecular Microbiology, 2006, 62, 631-640.	1.2	214
7	ExsD is a negative regulator of the Pseudomonas aeruginosa type III secretion regulon. Molecular Microbiology, 2002, 46, 1123-1133.	1.2	151
8	Functional reconstitution of bacterial Tat translocation in vitro. EMBO Journal, 2001, 20, 2472-2479.	3.5	150
9	Regulation of ExoS Production and Secretion by Pseudomonas aeruginosa in Response to Tissue Culture Conditions. Infection and Immunity, 1999, 67, 914-920.	1.0	140
10	Genetic relationship between the 53- and 49-kilodalton forms of exoenzyme S from Pseudomonas aeruginosa. Journal of Bacteriology, 1996, 178, 1412-1419.	1.0	126
11	Biological Effects of Pseudomonas aeruginosa Type III-Secreted Proteins on CHO Cells. Infection and Immunity, 1999, 67, 2040-2044.	1.0	120
12	A novel anti-anti-activator mechanism regulates expression of the Pseudomonas aeruginosa type III secretion system. Molecular Microbiology, 2004, 53, 297-308.	1.2	116
13	A secreted regulatory protein couples transcription to the secretory activity of the Pseudomonas aeruginosa type III secretion system. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9930-9935.	3.3	110
14	Transcriptional analysis of the Pseudomonas aeruginosa exoenzyme S structural gene. Journal of Bacteriology, 1995, 177, 1169-1178.	1.0	105
15	An unusual CsrA family member operates in series with RsmA to amplify posttranscriptional responses in Pseudomonas aeruginosa. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15055-15060.	3.3	103
16	The Pseudomonas aeruginosa Vfr Regulator Controls Global Virulence Factor Expression through Cyclic AMP-Dependent and -Independent Mechanisms. Journal of Bacteriology, 2010, 192, 3553-3564.	1.0	100
17	Glucose Depletion in the Airway Surface Liquid Is Essential for Sterility of the Airways. PLoS ONE, 2011, 6, e16166.	1.1	99
18	Transcriptional organization of the trans-regulatory locus which controls exoenzyme S synthesis in Pseudomonas aeruginosa. Journal of Bacteriology, 1994, 176, 3832-3838.	1.0	95

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19	Intrinsic and extrinsic regulation of type III secretion gene expression in Pseudomonas aeruginosa. Frontiers in Microbiology, 2011, 2, 89.	1.5	90
20	In V itro and In V ivo Characterization of the Pseudomonas aeruginosa Cyclic AMP (cAMP) Phosphodiesterase CpdA, Required for cAMP Homeostasis and Virulence Factor Regulation. Journal of Bacteriology, 2010, 192, 2779-2790.	1.0	87
21	The AlgZR Two-Component System Recalibrates the RsmAYZ Posttranscriptional Regulatory System To Inhibit Expression of the Pseudomonas aeruginosa Type III Secretion System. Journal of Bacteriology, 2014, 196, 357-366.	1.0	87
22	Control of gene expression by type III secretory activity. Current Opinion in Microbiology, 2008, 11, 128-133.	2.3	84
23	Characterization of ExsA and of ExsAâ€dependent promoters required for expression of the Pseudomonas aeruginosa type III secretion system. Molecular Microbiology, 2008, 68, 657-671.	1.2	81
24	Sialic Acid Catabolism in Staphylococcus aureus. Journal of Bacteriology, 2013, 195, 1779-1788.	1.0	80
25	Vfr Directly Activates exsA Transcription To Regulate Expression of the Pseudomonas aeruginosa Type III Secretion System. Journal of Bacteriology, 2016, 198, 1442-1450.	1.0	71
26	Activation of thePseudomonas aeruginosaAlgU Regulon throughmucAMutation Inhibits Cyclic AMP/Vfr Signaling. Journal of Bacteriology, 2010, 192, 5709-5717.	1.0	69
27	Transcriptional Induction of the Pseudomonas aeruginosa Type III Secretion System by Low Ca2+ and Host Cell Contact Proceeds through Two Distinct Signaling Pathways. Infection and Immunity, 2006, 74, 3334-3341.	1.0	66
28	Translocation of ExsE into Chinese Hamster Ovary Cells Is Required for Transcriptional Induction of the Pseudomonas aeruginosa Type III Secretion System. Infection and Immunity, 2007, 75, 4432-4439.	1.0	63
29	Biochemical relationships between the 53-kilodalton (Exo53) and 49-kilodalton (ExoS) forms of exoenzyme S of Pseudomonas aeruginosa. Journal of Bacteriology, 1997, 179, 1609-1613.	1.0	61
30	Identification and Characterization of SpcU, a Chaperone Required for Efficient Secretion of the ExoU Cytotoxin. Journal of Bacteriology, 1998, 180, 6224-6231.	1.0	61
31	Interruption of Multiple Cellular Processes in HT-29 Epithelial Cells by Pseudomonas aeruginosa Exoenzyme S. Infection and Immunity, 1999, 67, 2847-2854.	1.0	55
32	ExsD Inhibits Expression of thePseudomonas aeruginosaType III Secretion System by Disrupting ExsA Self-Association and DNA Binding Activity. Journal of Bacteriology, 2010, 192, 1479-1486.	1.0	49
33	Pseudomonas aeruginosa Utilizes the Type III Secreted Toxin ExoS to Avoid Acidified Compartments within Epithelial Cells. PLoS ONE, 2013, 8, e73111.	1.1	49
34	Secretion of Flagellar Proteins by the Pseudomonas aeruginosa Type III Secretion-Injectisome System. Journal of Bacteriology, 2015, 197, 2003-2011.	1.0	49
35	Primary and Secondary Sequence Structure Requirements for Recognition and Discrimination of Target RNAs by Pseudomonas aeruginosa RsmA and RsmF. Journal of Bacteriology, 2016, 198, 2458-2469.	1.0	46
36	The Impact of ExoS on Pseudomonas aeruginosa Internalization by Epithelial Cells Is Independent of fleQ and Correlates with Bistability of Type Three Secretion System Gene Expression. MBio, 2018, 9, .	1.8	46

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37	RsmV, a Small Noncoding Regulatory RNA in Pseudomonas aeruginosa That Sequesters RsmA and RsmF from Target mRNAs. Journal of Bacteriology, 2018, 200, .	1.0	46
38	The RNA Helicase DeaD Stimulates ExsA Translation To Promote Expression of the Pseudomonas aeruginosa Type III Secretion System. Journal of Bacteriology, 2015, 197, 2664-2674.	1.0	44
39	Functional Domains of ExsA, the Transcriptional Activator of the Pseudomonas aeruginosa Type III Secretion System. Journal of Bacteriology, 2009, 191, 3811-3821.	1.0	43
40	The Pseudomonas aeruginosa Magnesium Transporter MgtE Inhibits Transcription of the Type III Secretion System. Infection and Immunity, 2010, 78, 1239-1249.	1.0	42
41	Fitting Pieces into the Puzzle of Pseudomonas aeruginosa Type III Secretion System Gene Expression. Journal of Bacteriology, 2019, 201, .	1.0	39
42	The Genetic Basis for the Commitment to Chronic versus Acute Infection in Pseudomonas aeruginosa. Molecular Cell, 2004, 16, 497-498.	4.5	38
43	Functional Analyses of the RsmY and RsmZ Small Noncoding Regulatory RNAs in Pseudomonas aeruginosa. Journal of Bacteriology, 2018, 200, .	1.0	37
44	Mechanism of Transcriptional Activation by Pseudomonas aeruginosa ExsA. Journal of Bacteriology, 2009, 191, 6654-6664.	1.0	35
45	Biochemical Characterization of a Regulatory Cascade Controlling Transcription of the Pseudomonas aeruginosa Type III Secretion System. Journal of Biological Chemistry, 2007, 282, 6136-6142.	1.6	33
46	Post-transcriptional regulation of type III secretion in plant and animal pathogens. Current Opinion in Microbiology, 2017, 36, 30-36.	2.3	30
47	Characterization of ExsC and ExsD Self-Association and Heterocomplex Formation. Journal of Bacteriology, 2006, 188, 6832-6840.	1.0	26
48	Inhibition of the Injectisome and Flagellar Type III Secretion Systems by INP1855 ImpairsPseudomonas aeruginosaPathogenicity and Inflammasome Activation. Journal of Infectious Diseases, 2016, 214, 1105-1116.	1.9	26
49	Inhibition of Pseudomonas aeruginosa ExsA DNA-Binding Activity byN-Hydroxybenzimidazoles. Antimicrobial Agents and Chemotherapy, 2016, 60, 766-776.	1.4	25
50	ExsA and LcrF Recognize Similar Consensus Binding Sites, but Differences in Their Oligomeric State Influence Interactions with Promoter DNA. Journal of Bacteriology, 2013, 195, 5639-5650.	1.0	22
51	Pseudomonas aeruginosa Magnesium Transporter MgtE Inhibits Type III Secretion System Gene Expression by Stimulating rsmYZ Transcription. Journal of Bacteriology, 2017, 199, .	1.0	21
52	A Critical New Pathway for Toxin Secretion?. New England Journal of Medicine, 2006, 355, 1171-1172.	13.9	20
53	Hfq and sRNA 179 Inhibit Expression of the Pseudomonas aeruginosa cAMP-Vfr and Type III Secretion Regulons. MBio, 2020, 11, .	1.8	20
54	Orientation of Pseudomonas aeruginosa ExsA Monomers Bound to Promoter DNA and Base-Specific Contacts with the PexoT Promoter. Journal of Bacteriology, 2012, 194, 2573-2585.	1.0	18

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55	H-NS Family Members MvaT and MvaU Regulate the Pseudomonas aeruginosa Type III Secretion System. Journal of Bacteriology, 2019, 201, .	1.0	18
56	ExsA Recruits RNA Polymerase to an Extended â˜'10 Promoter by Contacting Region 4.2 of Sigma-70. Journal of Bacteriology, 2010, 192, 3597-3607.	1.0	17
57	Chronic Pseudomonas aeruginosa infection reduces surfactant levels by inhibiting its biosynthesis. Cellular Microbiology, 2007, 9, 1062-1072.	1.1	16
58	Exotoxin S secreted by internalized Pseudomonas aeruginosa delays lytic host cell death. PLoS Pathogens, 2022, 18, e1010306.	2.1	14
59	Cystic Fibrosis Lung Function Decline after Within-Host Evolution Increases Virulence of Infecting Pseudomonas aeruginosa. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 637-640.	2.5	12
60	Pseudomonas aeruginosaDelays Kupffer Cell Death via Stabilization of the X-Chromosome-Linked Inhibitor of Apoptosis Protein. Journal of Immunology, 2007, 179, 505-513.	0.4	11
61	The Distal ExsA-Binding Site in Pseudomonas aeruginosa Type III Secretion System Promoters Is the Primary Determinant for Promoter-Specific Properties. Journal of Bacteriology, 2012, 194, 2564-2572.	1.0	11
62	Pseudomonas aeruginosa. , 2006, , 704-713.		10
63	Self-Association Is Required for Occupation of Adjacent Binding Sites in Pseudomonas aeruginosa Type III Secretion System Promoters. Journal of Bacteriology, 2014, 196, 3546-3555.	1.0	9
64	The transiently ordered regions in intrinsically disordered ExsE are correlated with structural elements involved in chaperone binding. Biochemical and Biophysical Research Communications, 2012, 417, 129-134.	1.0	8
65	Selfâ€trimerization ofExsDlimits inhibition of thePseudomonasÂaeruginosatranscriptional activatorExsAinÂvitro. FEBS Journal, 2013, 280, 1084-1094.	2.2	5
66	Genome Sequences of Two Pseudomonas aeruginosa Isolates with Defects in Type III Secretion System Gene Expression from a Chronic Ankle Wound Infection. Microbiology Spectrum, 2021, 9, e0034021.	1.2	5
67	Direct inhibition of RetS synthesis by RsmA contributes to homeostasis of the Pseudomonas aeruginosa Gac/Rsm signaling system. Journal of Bacteriology, 2022, , jb0058021.	1.0	5
68	Cautionary notes on the use of arabinose- and rhamnose-inducible expression vectors in Pseudomonas aeruginosa. Journal of Bacteriology, 2021, 203, e0022421.	1.0	4
69	Global Regulatory Pathways Converge To Control Expression of Pseudomonas aeruginosa Type IV Pili. MBio, 2022, , e0369621.	1.8	4
70	Genome-Wide Identification of Pseudomonas aeruginosa Genes Important for Desiccation Tolerance on Inanimate Surfaces. MSystems, 2022, 7, e0011422.	1.7	4
71	Limiting Too Much of a Good Thing: a Negative Feedback Mechanism Prevents Unregulated Translocation of Type III Effector Proteins. Journal of Bacteriology, 2008, 190, 2643-2644.	1.0	2
72	Identification and Characterization of SpcU, a Chaperone Required for Efficient Secretion of the ExoU Cytotoxin. Journal of Bacteriology, 1998, 180, 6224-6231.	1.0	2

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73	25th Annual Midwest Microbial Pathogenesis Conference. Journal of Bacteriology, 2019, 201, .	1.0	0