Dustin J Little

List of Publications by Citations

20 papers	547 citations	14 h-index	21 g-index
21 ext. papers	707 ext. citations	6.6 avg, IF	3.33 L-index

#	Paper	IF	Citations
20	Identification of Poly-N-acetylglucosamine as a Major Polysaccharide Component of the Bacillus subtilis Biofilm Matrix. *Journal of Biological Chemistry*, **2015**, 290, 19261-72	5.4	65
19	The structure- and metal-dependent activity of Escherichia coli PgaB provides insight into the partial de-N-acetylation of poly-β1,6-N-acetyl-D-glucosamine. *Journal of Biological Chemistry*, **2012**, 287, 31126-37	5.4	58
18	Sph3 Is a Glycoside Hydrolase Required for the Biosynthesis of Galactosaminogalactan in Aspergillus fumigatus. *Journal of Biological Chemistry*, **2015**, 290, 27438-50	5.4	52
17	Characterization of the Pseudomonas aeruginosa Glycoside Hydrolase PslG Reveals That Its Levels Are Critical for Psl Polysaccharide Biosynthesis and Biofilm Formation. *Journal of Biological Chemistry*, **2015**, 290, 28374-28387	5.4	42
16	PgaB orthologues contain a glycoside hydrolase domain that cleaves deacetylated poly-β(1,6)-N-acetylglucosamine and can disrupt bacterial biofilms. *PLoS Pathogens*, **2018**, 14, e1006998	7.6	38
15	P. aeruginosa SGNH hydrolase-like proteins AlgJ and AlgX have similar topology but separate and distinct roles in alginate acetylation. *PLoS Pathogens*, **2014**, 10, e1004334	7.6	37
14	Modification and periplasmic translocation of the biofilm exopolysaccharide poly-β1,6-N-acetyl-D-glucosamine. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11013-8	11.5	33
13	PilN Binding Modulates the Structure and Binding Partners of the Pseudomonas aeruginosa Type IVa Pilus Protein PilM. *Journal of Biological Chemistry*, **2016**, 291, 11003-15	5.4	28
12	The protein BpsB is a poly-β1,6-N-acetyl-D-glucosamine deacetylase required for biofilm formation in Bordetella bronchiseptica. *Journal of Biological Chemistry*, **2015**, 290, 22827-40	5.4	27
11	Functional characterization of Staphylococcus epidermidis IcaB, a de-N-acetylase important for biofilm formation. *Biochemistry*, **2013**, 52, 5463-71	3.2	27
10	In vitro characterization of the antivirulence target of Gram-positive pathogens, peptidoglycan O-acetyltransferase A (OatA). *PLoS Pathogens*, **2017**, 13, e1006667	7.6	24
9	PatB1 is an O-acetyltransferase that decorates secondary cell wall polysaccharides. *Nature Chemical Biology*, **2018**, 14, 79-85	11.7	24
8	Structural basis for the De-N-acetylation of Poly-β1,6-N-acetyl-D-glucosamine in Gram-positive bacteria. *Journal of Biological Chemistry*, **2014**, 289, 35907-17	5.4	20
7	Synthesis and evaluation of inhibitors of E. coli PgaB, a polysaccharide de-N-acetylase involved in biofilm formation. *Organic and Biomolecular Chemistry*, **2012**, 10, 7103-7	3.9	15
6	Combining in situ proteolysis and mass spectrometry to crystallize Escherichia coli PgaB. *Acta Crystallographica Section F: Structural Biology Communications*, **2012**, 68, 842-5		13
5	Regulatory Evolution Drives Evasion of Host Inflammasomes by Salmonella Typhimurium. *Cell Reports*, **2018**, 25, 825-832.e5	10.6	13
4	Functional diversification of the NleG effector family in enterohemorrhagic. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 10004-10009	11.5	11

List of Publications

3	Molecular basis for CesT recognition of type III secretion effectors in enteropathogenic Escherichia coli. *PLoS Pathogens*, **2018**, 14, e1007224	7.6	10
2	Direct Staudinger-Phosphonite Reaction Provides Methylphosphonamidates as Inhibitors of CE4 De-N-acetylases. *ChemBioChem*, **2015**, 16, 1350-6	3.8	8
1	Metal-Dependent Polysaccharide Deacetylase PgaB **2014**, 1-11		2