

Gregory Bennett Whitfield

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15

papers

369

citations

11

h-index

19

g-index

19

ext. papers

539

ext. citations

6.4

avg, IF

3.48

L-index

#	Paper	IF	Citations
15	The Pseudomonas aeruginosa homeostasis enzyme AlgL clears the periplasmic space of accumulated alginate during polymer biosynthesis.. <i>Journal of Biological Chemistry</i> , 2022 , 101560	5.4	1
14	Type IV Pili: Dynamic Bacterial Nanomachines. <i>FEMS Microbiology Reviews</i> , 2021 ,	15.1	2
13	Roadmap on emerging concepts in the physical biology of bacterial biofilms: from surface sensing to community formation. <i>Physical Biology</i> , 2021 , 18,	3	16
12	The Matrix Revisited: Opening Night for the Pel Polysaccharide Across Eubacterial Kingdoms. <i>Microbiology Insights</i> , 2021 , 14, 1178636120988588	2.5	1
11	PelX is a UDP--acetylglucosamine C4-epimerase involved in Pel polysaccharide-dependent biofilm formation. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11949-11962	5.4	6
10	A systematic pipeline for classifying bacterial operons reveals the evolutionary landscape of biofilm machineries. <i>PLoS Computational Biology</i> , 2020 , 16, e1007721	5	14
9	Discovery and characterization of a Gram-positive Pel polysaccharide biosynthetic gene cluster. <i>PLoS Pathogens</i> , 2020 , 16, e1008281	7.6	16
8	Pel Polysaccharide Biosynthesis Requires an Inner Membrane Complex Comprised of PelD, PelE, PelF, and PelG. <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	12
7	Surface sensing stimulates cellular differentiation in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17984-17991	11.5	13
6	Oligomeric lipoprotein PelC guides Pel polysaccharide export across the outer membrane of. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 2892-2897	11.5	17
5	Alginate Overproduction Promotes Coexistence with in a Model of Cystic Fibrosis Respiratory Infection. <i>MBio</i> , 2017 , 8,	7.8	78
4	PelA and PelB proteins form a modification and secretion complex essential for Pel polysaccharide-dependent biofilm formation in. <i>Journal of Biological Chemistry</i> , 2017 , 292, 19411-19422	5.4	22
3	Characterization of the Pseudomonas aeruginosa Glycoside Hydrolase PslG Reveals That Its Levels Are Critical for Psl Polysaccharide Biosynthesis and Biofilm Formation. <i>Journal of Biological Chemistry</i> , 2015 , 290, 28374-28387	5.4	42
2	Enzymatic modifications of exopolysaccharides enhance bacterial persistence. <i>Frontiers in Microbiology</i> , 2015 , 6, 471	5.7	71
1	Dimeric c-di-GMP is required for post-translational regulation of alginate production in Pseudomonas aeruginosa. <i>Journal of Biological Chemistry</i> , 2015 , 290, 12451-62	5.4	58