Nicola R Stanley-Wall

List of Publications by Year in Descending Order

57 papers	2,474 citations	29 h-index	49 g-index
80 ext. papers	3,281 ext. citations	6.3 avg, IF	5.34 L-index

#	Paper	IF	Citations
57	Bacillus subtilis biofilm formation and social interactions. *Nature Reviews Microbiology*, **2021**, 19, 600-614	22.2	43
56	Biofilm Dispersal for Spore Release in Bacillus subtilis. *Journal of Bacteriology*, **2021**, 203, e0019221	3.5	0
55	The Intertwined Roles of Specialized Metabolites within the Bacillus subtilis Biofilm. *Journal of Bacteriology*, **2021**, 203, e0043121	3.5	0
54	Genomic Differences between Listeria monocytogenes EGDe Isolates Reveal Crucial Roles for SigB and Wall Rhamnosylation in Biofilm Formation. *Journal of Bacteriology*, **2020**, 202,	3.5	11
53	The majority of the matrix protein TapA is dispensable for Bacillus subtilis colony biofilm architecture. *Molecular Microbiology*, **2020**, 114, 920-933	4.1	6
52	Comment on "Rivalry in Bacillus subtilis colonies: enemy or family?". *Soft Matter*, **2020**, 16, 3344-3346	3.6	4
51	Probiotic Bacillus subtilis Protects against □Synuclein Aggregation in C.□elegans. *Cell Reports*, **2020**, 30, 367-380.e7	10.6	56
50	Wrinkle patterns in active viscoelastic thin sheets. *Physical Review Research*, **2020**, 2,	3.9	8
49	The ComX Quorum Sensing Peptide of Affects Biofilm Formation Negatively and Sporulation Positively. *Microorganisms*, **2020**, 8,	4.9	14
48	Pulcherrimin formation controls growth arrest of the biofilm. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13553-13562	11.5	25
47	Functional Amyloid and Other Protein Fibers in the Biofilm Matrix. *Journal of Molecular Biology*, **2018**, 430, 3642-3656	6.5	51
46	Division of Labor during Biofilm Matrix Production. *Current Biology*, **2018**, 28, 1903-1913.e5	6.3	114
45	Biofilm Building: A Simple Board Game to Reinforce Knowledge of Biofilm Formation. *Journal of Microbiology and Biology Education*, **2018**, 19,	1.3	3
44	Formation of functional, non-amyloidogenic fibres by recombinant Bacillus subtilis TasA. *Molecular Microbiology*, **2018**, 110, 897-913	4.1	20
43	Social behaviours by Bacillus subtilis: quorum sensing, kin discrimination and beyond. *Molecular Microbiology*, **2018**, 110, 863-878	4.1	59
42	Spermidine promotes biofilm formation by activating expression of the matrix regulator. *Journal of Biological Chemistry*, **2017**, 292, 12041-12053	5.4	26
41	Bifunctionality of a biofilm matrix protein controlled by redox state. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E6184-E6191	11.5	39

40	Natural variations in the biofilm-associated protein BslA from the genus Bacillus. *Scientific Reports*, **2017**, 7, 6730	4.9	8
39	The Diverse Structures and Functions of Surfactant Proteins. *Trends in Biochemical Sciences*, **2016**, 41, 610-620	10.3	24
38	Microbe Motels: An Interactive Method to Introduce the Human Microbiome. *Journal of Microbiology and Biology Education*, **2016**, 17, 282-3	1.3	2
37	A phenomenological description of BslA assemblies across multiple length scales. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2016**, 374,	3	10
36	The Ess/Type VII secretion system of Staphylococcus aureus shows unexpected genetic diversity. *BMC Genomics*, **2016**, 17, 222	4.5	51
35	Just in case it rains: building a hydrophobic biofilm the Bacillus subtilis way. *Current Opinion in Microbiology*, **2016**, 34, 7-12	7.9	46
34	Giving structure to the biofilm matrix: an overview of individual strategies and emerging common themes. *FEMS Microbiology Reviews*, **2015**, 39, 649-69	15.1	311
33	An alternate route to phosphorylating DegU of Bacillus subtilis using acetyl phosphate. *BMC Microbiology*, **2015**, 15, 78	4.5	11
32	Interfacial self-assembly of a bacterial hydrophobin. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 5419-24	11.5	52
31	The Bacterial Hydrophobin BslA is a Switchable Ellipsoidal Janus Nanocolloid. *Langmuir*, **2015**, 31, 11558-63	4	22
30	Visualization of the Serratia Type VI Secretion System Reveals Unprovoked Attacks and Dynamic Assembly. *Cell Reports*, **2015**, 12, 2131-42	10.6	48
29	Connecting the dots between bacterial biofilms and ice cream. *Physical Biology*, **2015**, 12, 063001	3	13
28	Biofilm formation by Bacillus subtilis: new insights into regulatory strategies and assembly mechanisms. *Molecular Microbiology*, **2014**, 93, 587-98	4.1	147
27	Phosphorylated DegU manipulates cell fate differentiation in the Bacillus subtilis biofilm. *Journal of Bacteriology*, **2014**, 196, 16-27	3.5	40
26	Norspermidine is not a self-produced trigger for biofilm disassembly. *Cell*, **2014**, 156, 844-54	56.2	47
25	Enzymes in action: an interactive activity designed to highlight positive attributes of extracellular enzymes synthesized by microbes. *Journal of Microbiology and Biology Education*, **2014**, 15, 310-2	1.3	0
24	The protein tyrosine kinases EpsB and PtkA differentially affect biofilm formation in Bacillus subtilis. *Microbiology (United Kingdom)*, **2014**, 160, 682-691	2.9	33
23	FlgN is required for flagellum-based motility by Bacillus subtilis. *Journal of Bacteriology*, **2014**, 196, 2216-26	3.3	12

22	A holin and an endopeptidase are essential for chitinolytic protein secretion in Serratia marcescens. *Journal of Cell Biology*, **2014**, 207, 615-26	7.3	24
21	The prevalence and origin of exoprotease-producing cells in the Bacillus subtilis biofilm. *Microbiology (United Kingdom)*, **2014**, 160, 56-66	2.9	34
20	Role of the phosphopantetheinyltransferase enzyme, PswP, in the biosynthesis of antimicrobial secondary metabolites by Serratia marcescens Db10. *Microbiology (United Kingdom)*, **2014**, 160, 1609-1617	2.9	13
19	A mechanical signal transmitted by the flagellum controls signalling in Bacillus subtilis. *Molecular Microbiology*, **2013**, 90, 6-21	4.1	97
18	BslA is a self-assembling bacterial hydrophobin that coats the Bacillus subtilis biofilm. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 13600-5	11.5	185
17	Blast a biofilm: a hands-on activity for school children and members of the public. *Journal of Microbiology and Biology Education*, **2013**, 14, 252-4	1.3	2
16	Selective heterogeneity in exoprotease production by Bacillus subtilis. *PLoS ONE*, **2012**, 7, e38574	3.7	9
15	The insect pathogen Serratia marcescens Db10 uses a hybrid non-ribosomal peptide synthetase-polyketide synthase to produce the antibiotic althiomycin. *PLoS ONE*, **2012**, 7, e44673	3.7	38
14	Identification of Bacillus subtilis SipW as a bifunctional signal peptidase that controls surface-adhered biofilm formation. *Journal of Bacteriology*, **2012**, 194, 2781-90	3.5	53
13	Absolute SILAC-compatible expression strain allows Sumo-2 copy number determination in clinical samples. *Journal of Proteome Research*, **2011**, 10, 4869-75	5.6	33
12	YuaB functions synergistically with the exopolysaccharide and TasA amyloid fibers to allow biofilm formation by Bacillus subtilis. *Journal of Bacteriology*, **2011**, 193, 4821-31	3.5	91
11	Post-translational control of Bacillus subtilis biofilm formation mediated by tyrosine phosphorylation. *Molecular Microbiology*, **2010**, 78, 947-63	4.1	35
10	Evolution and multiplicity of arginine decarboxylases in polyamine biosynthesis and essential role in Bacillus subtilis biofilm formation. *Journal of Biological Chemistry*, **2010**, 285, 39224-38	5.4	81
9	The sensitivity of Bacillus subtilis to diverse antimicrobial compounds is influenced by Abh. *Archives of Microbiology*, **2010**, 192, 1059-67	3	9
8	DegU and Spo0A jointly control transcription of two loci required for complex colony development by Bacillus subtilis. *Journal of Bacteriology*, **2009**, 191, 100-8	3.5	76
7	A pivotal role for the response regulator DegU in controlling multicellular behaviour. *Microbiology (United Kingdom)*, **2009**, 155, 1-8	2.9	83
6	SigmaX is involved in controlling Bacillus subtilis biofilm architecture through the AbrB homologue Abh. *Journal of Bacteriology*, **2009**, 191, 6822-32	3.5	47
5	DegU co-ordinates multicellular behaviour exhibited by Bacillus subtilis. *Molecular Microbiology*, **2007**, 65, 554-68	4.1	152

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4	A degradation product of the salicylic acid pathway triggers oxidative stress resulting in down-regulation of Bacillus subtilis biofilm formation on Arabidopsis thaliana roots. *Planta*, **2007**, 226, 283-97	4.7	46
3	The majority of the matrix protein TapA is dispensable for biofilm formation byBacillus subtilis		2
2	Evolutionary variations in the biofilm-associated protein BslA from the genus Bacillus		1
1	Formation of functional, non-amyloidogenic fibres by recombinantBacillus subtilisTasA		1