

Nicola R Stanley-Wall

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5237293/nicola-r-stanley-wall-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Giving structure to the biofilm matrix: an overview of individual strategies and emerging common themes. <i>FEMS Microbiology Reviews</i> , 2015 , 39, 649-69	15.1	311
56	BslA is a self-assembling bacterial hydrophobin that coats the <i>Bacillus subtilis</i> biofilm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13600-5	11.5	185
55	DegU co-ordinates multicellular behaviour exhibited by <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2007 , 65, 554-68	4.1	152
54	Biofilm formation by <i>Bacillus subtilis</i> : new insights into regulatory strategies and assembly mechanisms. <i>Molecular Microbiology</i> , 2014 , 93, 587-98	4.1	147
53	Division of Labor during Biofilm Matrix Production. <i>Current Biology</i> , 2018 , 28, 1903-1913.e5	6.3	114
52	A mechanical signal transmitted by the flagellum controls signalling in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2013 , 90, 6-21	4.1	97
51	YuaB functions synergistically with the exopolysaccharide and TasA amyloid fibers to allow biofilm formation by <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2011 , 193, 4821-31	3.5	91
50	A pivotal role for the response regulator DegU in controlling multicellular behaviour. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 1-8	2.9	83
49	Evolution and multiplicity of arginine decarboxylases in polyamine biosynthesis and essential role in <i>Bacillus subtilis</i> biofilm formation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 39224-38	5.4	81
48	DegU and Spo0A jointly control transcription of two loci required for complex colony development by <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2009 , 191, 100-8	3.5	76
47	Social behaviours by <i>Bacillus subtilis</i> : quorum sensing, kin discrimination and beyond. <i>Molecular Microbiology</i> , 2018 , 110, 863-878	4.1	59
46	Probiotic <i>Bacillus subtilis</i> Protects against β -Synuclein Aggregation in <i>C. elegans</i> . <i>Cell Reports</i> , 2020 , 30, 367-380.e7	10.6	56
45	Identification of <i>Bacillus subtilis</i> SipW as a bifunctional signal peptidase that controls surface-adhered biofilm formation. <i>Journal of Bacteriology</i> , 2012 , 194, 2781-90	3.5	53
44	Interfacial self-assembly of a bacterial hydrophobin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5419-24	11.5	52
43	Functional Amyloid and Other Protein Fibers in the Biofilm Matrix. <i>Journal of Molecular Biology</i> , 2018 , 430, 3642-3656	6.5	51
42	The Ess/Type VII secretion system of <i>Staphylococcus aureus</i> shows unexpected genetic diversity. <i>BMC Genomics</i> , 2016 , 17, 222	4.5	51
41	Visualization of the <i>Serratia</i> Type VI Secretion System Reveals Unprovoked Attacks and Dynamic Assembly. <i>Cell Reports</i> , 2015 , 12, 2131-42	10.6	48

40	Norspermidine is not a self-produced trigger for biofilm disassembly. <i>Cell</i> , 2014 , 156, 844-54	56.2	47
39	SigmaX is involved in controlling <i>Bacillus subtilis</i> biofilm architecture through the AbrB homologue Abh. <i>Journal of Bacteriology</i> , 2009 , 191, 6822-32	3.5	47
38	A degradation product of the salicylic acid pathway triggers oxidative stress resulting in down-regulation of <i>Bacillus subtilis</i> biofilm formation on <i>Arabidopsis thaliana</i> roots. <i>Planta</i> , 2007 , 226, 283-97	4.7	46
37	Just in case it rains: building a hydrophobic biofilm the <i>Bacillus subtilis</i> way. <i>Current Opinion in Microbiology</i> , 2016 , 34, 7-12	7.9	46
36	<i>Bacillus subtilis</i> biofilm formation and social interactions. <i>Nature Reviews Microbiology</i> , 2021 , 19, 600-614	22.2	43
35	Phosphorylated DegU manipulates cell fate differentiation in the <i>Bacillus subtilis</i> biofilm. <i>Journal of Bacteriology</i> , 2014 , 196, 16-27	3.5	40
34	Bifunctionality of a biofilm matrix protein controlled by redox state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6184-E6191	11.5	39
33	The insect pathogen <i>Serratia marcescens</i> Db10 uses a hybrid non-ribosomal peptide synthetase-polyketide synthase to produce the antibiotic althiomycin. <i>PLoS ONE</i> , 2012 , 7, e44673	3.7	38
32	Post-translational control of <i>Bacillus subtilis</i> biofilm formation mediated by tyrosine phosphorylation. <i>Molecular Microbiology</i> , 2010 , 78, 947-63	4.1	35
31	The prevalence and origin of exoprotease-producing cells in the <i>Bacillus subtilis</i> biofilm. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 56-66	2.9	34
30	The protein tyrosine kinases EpsB and PtkA differentially affect biofilm formation in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2014 , 160, 682-691	2.9	33
29	Absolute SILAC-compatible expression strain allows Sumo-2 copy number determination in clinical samples. <i>Journal of Proteome Research</i> , 2011 , 10, 4869-75	5.6	33
28	Spermidine promotes biofilm formation by activating expression of the matrix regulator. <i>Journal of Biological Chemistry</i> , 2017 , 292, 12041-12053	5.4	26
27	Pulcherrimin formation controls growth arrest of the biofilm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13553-13562	11.5	25
26	The Diverse Structures and Functions of Surfactant Proteins. <i>Trends in Biochemical Sciences</i> , 2016 , 41, 610-620	10.3	24
25	A holin and an endopeptidase are essential for chitinolytic protein secretion in <i>Serratia marcescens</i> . <i>Journal of Cell Biology</i> , 2014 , 207, 615-26	7.3	24
24	The Bacterial Hydrophobin BslA is a Switchable Ellipsoidal Janus Nanocolloid. <i>Langmuir</i> , 2015 , 31, 11558-63	7.3	22
23	Formation of functional, non-amyloidogenic fibres by recombinant <i>Bacillus subtilis</i> TasA. <i>Molecular Microbiology</i> , 2018 , 110, 897-913	4.1	20

22	The ComX Quorum Sensing Peptide of Affects Biofilm Formation Negatively and Sporulation Positively. <i>Microorganisms</i> , 2020 , 8,	4.9	14
21	Connecting the dots between bacterial biofilms and ice cream. <i>Physical Biology</i> , 2015 , 12, 063001	3	13
20	Role of the phosphopantetheinyltransferase enzyme, PswP, in the biosynthesis of antimicrobial secondary metabolites by <i>Serratia marcescens</i> Db10. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1609-1617	4.7	13
19	FlgN is required for flagellum-based motility by <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2014 , 196, 2216-2226	3.5	12
18	An alternate route to phosphorylating DegU of <i>Bacillus subtilis</i> using acetyl phosphate. <i>BMC Microbiology</i> , 2015 , 15, 78	4.5	11
17	Genomic Differences between <i>Listeria monocytogenes</i> EGDe Isolates Reveal Crucial Roles for SigB and Wall Rhamnosylation in Biofilm Formation. <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	11
16	A phenomenological description of BslA assemblies across multiple length scales. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	3	10
15	Selective heterogeneity in exoprotease production by <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2012 , 7, e38574	3.7	9
14	The sensitivity of <i>Bacillus subtilis</i> to diverse antimicrobial compounds is influenced by Abh. <i>Archives of Microbiology</i> , 2010 , 192, 1059-67	3	9
13	Natural variations in the biofilm-associated protein BslA from the genus <i>Bacillus</i> . <i>Scientific Reports</i> , 2017 , 7, 6730	4.9	8
12	Wrinkle patterns in active viscoelastic thin sheets. <i>Physical Review Research</i> , 2020 , 2,	3.9	8
11	The majority of the matrix protein TapA is dispensable for <i>Bacillus subtilis</i> colony biofilm architecture. <i>Molecular Microbiology</i> , 2020 , 114, 920-933	4.1	6
10	Comment on "Rivalry in <i>Bacillus subtilis</i> colonies: enemy or family?". <i>Soft Matter</i> , 2020 , 16, 3344-3346	3.6	4
9	Biofilm Building: A Simple Board Game to Reinforce Knowledge of Biofilm Formation. <i>Journal of Microbiology and Biology Education</i> , 2018 , 19,	1.3	3
8	Blast a biofilm: a hands-on activity for school children and members of the public. <i>Journal of Microbiology and Biology Education</i> , 2013 , 14, 252-4	1.3	2
7	The majority of the matrix protein TapA is dispensable for biofilm formation by <i>Bacillus subtilis</i>		2
6	Microbe Motels: An Interactive Method to Introduce the Human Microbiome. <i>Journal of Microbiology and Biology Education</i> , 2016 , 17, 282-3	1.3	2
5	Evolutionary variations in the biofilm-associated protein BslA from the genus <i>Bacillus</i>		1

4	Formation of functional, non-amyloidogenic fibres by recombinant <i>Bacillus subtilis</i> TasA		1
3	Enzymes in action: an interactive activity designed to highlight positive attributes of extracellular enzymes synthesized by microbes. <i>Journal of Microbiology and Biology Education</i> , 2014 , 15, 310-2	1-3	○
2	Biofilm Dispersal for Spore Release in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2021 , 203, e0019221	3-5	○
1	The Intertwined Roles of Specialized Metabolites within the <i>Bacillus subtilis</i> Biofilm. <i>Journal of Bacteriology</i> , 2021 , 203, e0043121	3-5	○