

Yves V Brun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6840237/publications.pdf>

Version: 2024-02-01

160
papers

11,051
citations

34493

54
h-index

48101

92
g-index

180
all docs

180
docs citations

180
times ranked

9617
citing authors

#	ARTICLE	IF	CITATIONS
1	MicrobeJ, a tool for high throughput bacterial cell detection and quantitative analysis. <i>Nature Microbiology</i> , 2016, 1, 16077.	5.9	761
2	In situ Probing of Newly Synthesized Peptidoglycan in Live Bacteria with Fluorescent D-Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12519-12523.	7.2	541
3	Treadmilling by FtsZ filaments drives peptidoglycan synthesis and bacterial cell division. <i>Science</i> , 2017, 355, 739-743.	6.0	503
4	Bacterial adhesion at the single-cell level. <i>Nature Reviews Microbiology</i> , 2018, 16, 616-627.	13.6	380
5	The structure of FtsZ filaments in vivo suggests a force-generating role in cell division. <i>EMBO Journal</i> , 2007, 26, 4694-4708.	3.5	340
6	Synthesis of fluorescent D-amino acids and their use for probing peptidoglycan synthesis and bacterial growth in situ. <i>Nature Protocols</i> , 2015, 10, 33-52.	5.5	268
7	Obstruction of pilus retraction stimulates bacterial surface sensing. <i>Science</i> , 2017, 358, 535-538.	6.0	231
8	Adhesins Involved in Attachment to Abiotic Surfaces by Gram-Negative Bacteria. <i>Microbiology Spectrum</i> , 2015, 3, .	1.2	229
9	Getting in the Loop: Regulation of Development in <i>Caulobacter crescentus</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2010, 74, 13-41.	2.9	223
10	Cell shape dynamics during the staphylococcal cell cycle. <i>Nature Communications</i> , 2015, 6, 8055.	5.8	208
11	Adhesion of single bacterial cells in the micronewton range. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5764-5768.	3.3	204
12	Polar growth in the Alphaproteobacterial order Rhizobiales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1697-1701.	3.3	195
13	MapZ marks the division sites and positions FtsZ rings in <i>Streptococcus pneumoniae</i> . <i>Nature</i> , 2014, 516, 259-262.	13.7	194
14	Anammox Planctomycetes have a peptidoglycan cell wall. <i>Nature Communications</i> , 2015, 6, 6878.	5.8	194
15	Evolution-guided discovery of antibiotics that inhibit peptidoglycan remodelling. <i>Nature</i> , 2020, 578, 582-587.	13.7	177
16	Surface contact stimulates the just-in-time deployment of bacterial adhesins. <i>Molecular Microbiology</i> , 2012, 83, 41-51.	1.2	172
17	Interplay of the Serine/Threonine-Kinase StkP and the Paralogs DivIVA and GpsB in Pneumococcal Cell Elongation and Division. <i>PLoS Genetics</i> , 2014, 10, e1004275.	1.5	166
18	The Expression of Asymmetry During <i>Caulobacter</i> Cell Differentiation. <i>Annual Review of Biochemistry</i> , 1994, 63, 419-450.	5.0	140

#	ARTICLE	IF	CITATIONS
19	Factors essential for L,D-transpeptidase-mediated peptidoglycan cross-linking and β -lactam resistance in <i>Escherichia coli</i> . <i>ELife</i> , 2016, 5, .	2.8	137
20	Evolutionary determinants of genome-wide nucleotide composition. <i>Nature Ecology and Evolution</i> , 2018, 2, 237-240.	3.4	126
21	Discovery of chlamydial peptidoglycan reveals bacteria with murein sacculi but without FtsZ. <i>Nature Communications</i> , 2013, 4, 2856.	5.8	123
22	Dominant C-terminal deletions of FtsZ that affect its ability to localize in <i>Caulobacter</i> and its interaction with FtsA. <i>Molecular Microbiology</i> , 1998, 27, 1051-1063.	1.2	120
23	The mechanism of force transmission at bacterial focal adhesion complexes. <i>Nature</i> , 2016, 539, 530-535.	13.7	120
24	Regulation of Stalk Elongation by Phosphate in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2000, 182, 337-347.	1.0	117
25	Full color palette of fluorescent α -amino acids for in situ labeling of bacterial cell walls. <i>Chemical Science</i> , 2017, 8, 6313-6321.	3.7	111
26	Peptidoglycan transformations during <i>Bacillus subtilis</i> sporulation. <i>Molecular Microbiology</i> , 2013, 88, 673-686.	1.2	109
27	The <i>Caulobacter crescentus</i> polar organelle development protein PodJ is differentially localized and is required for polar targeting of the PleC development regulator. <i>Molecular Microbiology</i> , 2003, 47, 929-941.	1.2	103
28	Fluorescent D-amino-acids reveal bi-cellular cell wall modifications important for <i>Bdellovibrio bacteriovorus</i> predation. <i>Nature Microbiology</i> , 2017, 2, 1648-1657.	5.9	103
29	Development of Surface Adhesion in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1438-1447.	1.0	102
30	Mechanisms of Incorporation for α -Amino Acid Probes That Target Peptidoglycan Biosynthesis. <i>ACS Chemical Biology</i> , 2019, 14, 2745-2756.	1.6	101
31	A nutrient uptake role for bacterial cell envelope extensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11772-11777.	3.3	98
32	Diversity Takes Shape: Understanding the Mechanistic and Adaptive Basis of Bacterial Morphology. <i>PLoS Biology</i> , 2016, 14, e1002565.	2.6	96
33	A bacterial extracellular DNA inhibits settling of motile progeny cells within a biofilm. <i>Molecular Microbiology</i> , 2010, 77, 815-829.	1.2	88
34	α -Pbp2x localizes separately from α -Pbp2b and other peptidoglycan synthesis proteins during later stages of cell division of <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 2014, 94, 21-40.	1.2	88
35	Pathogenic <i>Chlamydia</i> Lack a Classical Sacculus but Synthesize a Narrow, Mid-cell Peptidoglycan Ring, Regulated by MreB, for Cell Division. <i>PLoS Pathogens</i> , 2016, 12, e1005590.	2.1	86
36	Structure of the hexagonal surface layer on <i>Caulobacter crescentus</i> cells. <i>Nature Microbiology</i> , 2017, 2, 17059.	5.9	85

#	ARTICLE	IF	CITATIONS
37	Identification of essential alphaproteobacterial genes reveals operational variability in conserved developmental and cell cycle systems. <i>Molecular Microbiology</i> , 2014, 93, 713-735.	1.2	79
38	In Situ Structure of an Intact Lipopolysaccharide-Bound Bacterial Surface Layer. <i>Cell</i> , 2020, 180, 348-358.e15.	13.5	79
39	Identification of Genes Required for Synthesis of the Adhesive Holdfast in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2003, 185, 1432-1442.	1.0	77
40	Characterization of the <i>Caulobacter crescentus</i> Holdfast Polysaccharide Biosynthesis Pathway Reveals Significant Redundancy in the Initiating Glycosyltransferase and Polymerase Steps. <i>Journal of Bacteriology</i> , 2008, 190, 7219-7231.	1.0	76
41	Morphological adaptation and inhibition of cell division during stationary phase in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 1998, 29, 963-973.	1.2	75
42	Fluorogenic d-amino acids enable real-time monitoring of peptidoglycan biosynthesis and high-throughput transpeptidation assays. <i>Nature Chemistry</i> , 2019, 11, 335-341.	6.6	72
43	<i>Caulobacter crescentus</i> Requires RodA and MreB for Stalk Synthesis and Prevention of Ectopic Pole Formation. <i>Journal of Bacteriology</i> , 2005, 187, 544-553.	1.0	70
44	Functional Characterization of UDP-Glucose:Undecaprenyl-Phosphate Glucose-1-Phosphate Transferases of <i>Escherichia coli</i> and <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2012, 194, 2646-2657.	1.0	70
45	c-di-GMP modulates type IV MSHA pilus retraction and surface attachment in <i>Vibrio cholerae</i> . <i>Nature Communications</i> , 2020, 11, 1549.	5.8	70
46	General Protein Diffusion Barriers Create Compartments within Bacterial Cells. <i>Cell</i> , 2012, 151, 1270-1282.	13.5	68
47	Cell cycle and positional constraints on FtsZ localization and the initiation of cell division in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2001, 39, 949-959.	1.2	67
48	Artifacts and unassigned masses encountered in peptide mass mapping. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 782, 363-383.	1.2	67
49	Proteomic analysis of the <i>Caulobacter crescentus</i> stalk indicates competence for nutrient uptake. <i>Molecular Microbiology</i> , 2002, 45, 1029-1041.	1.2	67
50	The Elastic Properties of the <i>Caulobacter crescentus</i> Adhesive Holdfast Are Dependent on Oligomers of N -Acetylglucosamine. <i>Journal of Bacteriology</i> , 2005, 187, 257-265.	1.0	66
51	Sequential evolution of bacterial morphology by co-option of a developmental regulator. <i>Nature</i> , 2014, 506, 489-493.	13.7	65
52	A localized multimeric anchor attaches the <i>Caulobacter</i> holdfast to the cell pole. <i>Molecular Microbiology</i> , 2010, 76, 409-427.	1.2	64
53	Biological Consequences and Advantages of Asymmetric Bacterial Growth. <i>Annual Review of Microbiology</i> , 2013, 67, 417-435.	2.9	64
54	Heterocyst Formation in <i>Anabaena</i> . , 2014, , 83-104.		63

#	ARTICLE	IF	CITATIONS
55	Timescales and Frequencies of Reversible and Irreversible Adhesion Events of Single Bacterial Cells. <i>Analytical Chemistry</i> , 2015, 87, 12032-12039.	3.2	63
56	Complex Regulatory Pathways Coordinate Cell-Cycle Progression and Development in <i>Caulobacter crescentus</i> . <i>Advances in Microbial Physiology</i> , 2008, 54, 1-101.	1.0	62
57	Molecular mechanisms for the evolution of bacterial morphologies and growth modes. <i>Frontiers in Microbiology</i> , 2015, 6, 580.	1.5	62
58	Real-time microscopy and physical perturbation of bacterial pili using maleimide-conjugated molecules. <i>Nature Protocols</i> , 2019, 14, 1803-1819.	5.5	61
59	Ordered expression of <i>ftsZ</i> during the <i>Caulobacter crescentus</i> cell cycle. <i>Molecular Microbiology</i> , 1998, 28, 421-434.	1.2	60
60	Comparative Genomic Evidence for a Close Relationship between the Dimorphic Prosthecate Bacteria <i>Hyphomonas neptunium</i> and <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2006, 188, 6841-6850.	1.0	57
61	A set of <i>ftsZ</i> mutants blocked at different stages of cell division in <i>Caulobacter</i> . <i>Molecular Microbiology</i> , 2001, 40, 347-360.	1.2	56
62	Minimal Peptidoglycan (PG) Turnover in Wild-Type and PG Hydrolase and Cell Division Mutants of <i>Streptococcus pneumoniae</i> D39 Growing Planktonically and in Host-Relevant Biofilms. <i>Journal of Bacteriology</i> , 2015, 197, 3472-3485.	1.0	56
63	Polarity and the diversity of growth mechanisms in bacteria. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 790-798.	2.3	55
64	The Molecular Basis of Noncanonical Bacterial Morphology. <i>Trends in Microbiology</i> , 2018, 26, 191-208.	3.5	53
65	Physiochemical Properties of <i>Caulobacter crescentus</i> Holdfast: A Localized Bacterial Adhesive. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10492-10503.	1.2	51
66	Roadmap on emerging concepts in the physical biology of bacterial biofilms: from surface sensing to community formation. <i>Physical Biology</i> , 2021, 18, 051501.	0.8	46
67	Cell cycle-dependent abundance, stability and localization of FtsA and FtsQ in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2004, 54, 60-74.	1.2	45
68	Dissection of functional domains of the polar localization factor PodJ in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2006, 59, 301-316.	1.2	44
69	Cell Cycle Control of a Holdfast Attachment Gene in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 1999, 181, 1118-1125.	1.0	44
70	The adhesive and cohesive properties of a bacterial polysaccharide adhesin are modulated by a deacetylase. <i>Molecular Microbiology</i> , 2013, 88, 486-500.	1.2	43
71	A programmed cell division delay preserves genome integrity during natural genetic transformation in <i>Streptococcus pneumoniae</i> . <i>Nature Communications</i> , 2017, 8, 1621.	5.8	42
72	Out on a limb: how the <i>Caulobacter</i> stalk can boost the study of bacterial cell shape. <i>Molecular Microbiology</i> , 2007, 64, 28-33.	1.2	41

#	ARTICLE	IF	CITATIONS
73	A Versatile Class of Cell Surface Directional Motors Gives Rise to Gliding Motility and Sporulation in <i>Mycococcus xanthus</i> . <i>PLoS Biology</i> , 2013, 11, e1001728.	2.6	41
74	Mutations in DivL and CckA Rescue a divJ Null Mutant of <i>Caulobacter crescentus</i> by Reducing the Activity of CtrA. <i>Journal of Bacteriology</i> , 2006, 188, 2473-2482.	1.0	39
75	A bifunctional ATPase drives tad pilus extension and retraction. <i>Science Advances</i> , 2019, 5, eaay2591.	4.7	39
76	Physiological role of stalk lengthening in <i>Caulobacter crescentus</i> . <i>Communicative and Integrative Biology</i> , 2013, 6, e24561.	0.6	38
77	The HfaB and HfaD adhesion proteins of <i>Caulobacter crescentus</i> are localized in the stalk. <i>Molecular Microbiology</i> , 2003, 49, 1671-1683.	1.2	37
78	Modes of cell wall growth differentiation in rod-shaped bacteria. <i>Current Opinion in Microbiology</i> , 2013, 16, 731-737.	2.3	37
79	Host-Polarized Cell Growth in Animal Symbionts. <i>Current Biology</i> , 2018, 28, 1039-1051.e5.	1.8	37
80	Actinomycete Development, Antibiotic Production, and Phylogeny: Questions and Challenges. , 0, , 9-31.		34
81	The scaffolding and signalling functions of a localization factor impact polar development. <i>Molecular Microbiology</i> , 2012, 84, 712-735.	1.2	33
82	Feedback regulation of <i>Caulobacter crescentus</i> holdfast synthesis by flagellum assembly via the holdfast inhibitor HfiA. <i>Molecular Microbiology</i> , 2018, 110, 219-238.	1.2	32
83	DNA replication initiation is required for mid-cell positioning of FtsZ rings in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2002, 45, 605-616.	1.2	31
84	Protein localization and dynamics within a bacterial organelle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5599-5604.	3.3	31
85	Morphogenesis and Properties of the Bacterial Spore. , 2014, , 191-218.		30
86	Layered Structure and Complex Mechanochemistry Underlie Strength and Versatility in a Bacterial Adhesive. <i>MBio</i> , 2018, 9, .	1.8	29
87	Cell cycle timing and developmental checkpoints in <i>Caulobacter crescentus</i> . <i>Current Opinion in Microbiology</i> , 2003, 6, 541-549.	2.3	28
88	Competence pili in <i>Streptococcus pneumoniae</i> are highly dynamic structures that retract to promote DNA uptake. <i>Molecular Microbiology</i> , 2021, 116, 381-396.	1.2	28
89	Precise mapping and comparison of two evolutionarily related regions of the <i>Escherichia coli</i> K-12 chromosome. <i>Journal of Molecular Biology</i> , 1990, 214, 825-843.	2.0	27
90	Closely spaced and divergent promoters for an aminoacyl-tRNA synthetase gene and a tRNA operon in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1990, 214, 845-864.	2.0	27

#	ARTICLE	IF	CITATIONS
91	Advantages and mechanisms of polarity and cell shape determination in <i>Caulobacter crescentus</i> . <i>Current Opinion in Microbiology</i> , 2007, 10, 630-637.	2.3	27
92	Coordinate synthesis and protein localization in a bacterial organelle by the action of a penicillin-binding protein. <i>Molecular Microbiology</i> , 2013, 90, 1162-1177.	1.2	27
93	Adhesins Involved in Attachment to Abiotic Surfaces by Gram-Negative Bacteria. , 0, , 163-199.		27
94	Genetic Analysis of Mecillinam-Resistant Mutants of <i>Caulobacter crescentus</i> Deficient in Stalk Biosynthesis. <i>Journal of Bacteriology</i> , 1998, 180, 5235-5239.	1.0	27
95	Type IV Pili: dynamic bacterial nanomachines. <i>FEMS Microbiology Reviews</i> , 2022, 46, .	3.9	26
96	Defining Absolute Confidence Limits in the Identification of <i>Caulobacter</i> Proteins by Peptide Mass Mapping. <i>Journal of Proteome Research</i> , 2002, 1, 325-335.	1.8	25
97	Mechanosensing: A Regulation Sensation. <i>Current Biology</i> , 2015, 25, R113-R115.	1.8	24
98	Surface sensing stimulates cellular differentiation in <i>Caulobacter crescentus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17984-17991.	3.3	23
99	Developmental Decisions during Sporulation in the Aerial Mycelium in <i>Streptomyces</i> . , 0, , 33-48.		23
100	Regulation of the Initiation of Endospore Formation in <i>Bacillus subtilis</i> . , 0, , 151-166.		23
101	Genome Sequences of Eight Morphologically Diverse Alphaproteobacteria. <i>Journal of Bacteriology</i> , 2011, 193, 4567-4568.	1.0	22
102	The Dimorphic Life Cycle of <i>Caulobacter</i> and Stalked Bacteria. , 0, , 295-317.		22
103	The Chlamydial Developmental Cycle. , 0, , 403-425.		22
104	FtsZ-Dependent Elongation of a Coccoid Bacterium. <i>MBio</i> , 2016, 7, .	1.8	21
105	Unipolar Peptidoglycan Synthesis in the <i>Rhizobiales</i> Requires an Essential Class A Penicillin-Binding Protein. <i>MBio</i> , 2021, 12, e0234621.	1.8	21
106	Novel Pseudotaxis Mechanisms Improve Migration of Straight-Swimming Bacterial Mutants Through a Porous Environment. <i>MBio</i> , 2015, 6, e00005.	1.8	20
107	The Two Chemotaxis Clusters in <i>Caulobacter crescentus</i> Play Different Roles in Chemotaxis and Biofilm Regulation. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	19
108	Mechanisms of bacterial morphogenesis: Evolutionary cell biology approaches provide new insights. <i>BioEssays</i> , 2015, 37, 413-425.	1.2	18

#	ARTICLE	IF	CITATIONS
109	Peptidoglycan Oâ€œacetylation is functionally related to cell wall biosynthesis and cell division in <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 2017, 106, 832-846.	1.2	18
110	Restricted Localization of Photosynthetic Intracytoplasmic Membranes (ICMs) in Multiple Genera of Purple Nonsulfur Bacteria. <i>MBio</i> , 2018, 9, .	1.8	18
111	Coordinating development with the cell cycle in <i>Caulobacter</i> . <i>Current Opinion in Microbiology</i> , 2000, 3, 589-595.	2.3	17
112	Flagellar Mutants Have Reduced Pilus Synthesis in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	17
113	Regulation of Flagellum Biosynthesis and Motility in <i>Caulobacter</i> . , 0, , 319-339.		17
114	Microchannel-Nanopore Device for Bacterial Chemotaxis Assays. <i>Analytical Chemistry</i> , 2010, 82, 9357-9364.	3.2	16
115	<i>Caulobacter crescentus</i> . <i>Current Biology</i> , 2012, 22, R507-R509.	1.8	16
116	Holdfast spreading and thickening during <i>Caulobacter crescentus</i> attachment to surfaces. <i>BMC Microbiology</i> , 2013, 13, 139.	1.3	16
117	Programmable, Pneumatically Actuated Microfluidic Device with an Integrated Nanochannel Array To Track Development of Individual Bacteria. <i>Analytical Chemistry</i> , 2016, 88, 8476-8483.	3.2	16
118	Origin of a Core Bacterial Gene via Co-option and Detoxification of a Phage Lysin. <i>Current Biology</i> , 2019, 29, 1634-1646.e6.	1.8	16
119	Comparative Analysis of Ionic Strength Tolerance between Freshwater and Marine <i>Caulobacteriales</i> Adhesins. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	15
120	A Division of Labor in the Recruitment and Topological Organization of a Bacterial Morphogenic Complex. <i>Current Biology</i> , 2020, 30, 3908-3922.e4.	1.8	15
121	Large scale sequencing projects using rapidly prepared double-stranded plasmid DNA. <i>DNA Sequence</i> , 1991, 1, 285-289.	0.7	14
122	Bypassing the need for subcellular localization of a polysaccharide exportâ€œanchor complex by overexpressing its protein subunits. <i>Molecular Microbiology</i> , 2013, 89, 350-371.	1.2	14
123	Mutations in Sugar-Nucleotide Synthesis Genes Restore Holdfast Polysaccharide Anchoring to <i>Caulobacter crescentus</i> Holdfast Anchor Mutants. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	14
124	Endospore-Forming Bacteria: an Overview. , 2014, , 131-150.		13
125	A Multiprotein Complex Anchors Adhesive Holdfast at the Outer Membrane of <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	13
126	Signal Transduction and Cell Cycle Checkpoints in Developmental Regulation of <i>Caulobacter</i> . , 0, , 341-359.		13

#	ARTICLE	IF	CITATIONS
127	Nitric oxide stimulates type IV MSHA pilus retraction in <i>Vibrio cholerae</i> via activation of the phosphodiesterase CdpA. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	13
128	Effects of Tryptic Peptide Esterification in MALDI Mass Spectrometry. Analytical Chemistry, 2005, 77, 4185-4193.	3.2	12
129	Complete genome sequence of <i>Hirschia baltica</i> type strain (IFAM 1418T). Standards in Genomic Sciences, 2011, 5, 287-297.	1.5	12
130	Microfluidic Device for Automated Synchronization of Bacterial Cells. Analytical Chemistry, 2012, 84, 8571-8578.	3.2	12
131	Introduction to the Myxobacteria. , 0, , 219-242.		12
132	A Molecular Beacon Defines Bacterial Cell Asymmetry. Cell, 2006, 124, 891-893.	13.5	11
133	Overproduction and domain structure of the glutamyl-tRNA synthetase of <i>Escherichia coli</i> . Biochemistry and Cell Biology, 1989, 67, 404-410.	0.9	10
134	A polysaccharide deacetylase enhances bacterial adhesion in high-ionic-strength environments. IScience, 2021, 24, 103071.	1.9	10
135	Regulation of the <i>Caulobacter</i> Cell Cycle. , 0, , 361-378.		10
136	Cyanobacterial Phylogeny and Development: Questions and Challenges. , 2014, , 49-81.		9
137	Swarming Migration by <i>Proteus</i> and Related Bacteria. , 0, , 379-401.		9
138	D-Alanine-Controlled Transient Intestinal Mono-Colonization with Non-Laboratory-Adapted Commensal <i>E. coli</i> Strain HS. PLoS ONE, 2016, 11, e0151872.	1.1	9
139	EGGS: Extraction of Gene Clusters Using Genome Context Based Sequence Matching Techniques. , 2007, , .		8
140	The cell wall hydrolase Pmp23 is important for assembly and stability of the division ring in <i>Streptococcus pneumoniae</i> . Scientific Reports, 2018, 8, 7591.	1.6	8
141	Effect of a <i>ctrA</i> promoter mutation, causing a reduction in CtrA abundance, on the cell cycle and development of <i>Caulobacter crescentus</i> . BMC Microbiology, 2013, 13, 166.	1.3	7
142	Asymmetric Division and Cell Fate during Sporulation in <i>Bacillus subtilis</i> . , 0, , 167-189.		7
143	Global analysis of a bacterial cell cycle: tracking down necessary functions and their regulators. Trends in Microbiology, 2001, 9, 405-407.	3.5	6
144	A Temperature-Sensitive Mutation in the <i>dnaE</i> Gene of <i>Caulobacter crescentus</i> That Prevents Initiation of DNA Replication but Not Ongoing Elongation of DNA. Journal of Bacteriology, 2004, 186, 1205-1212.	1.0	6

#	ARTICLE	IF	CITATIONS
145	Developmental Aggregation and Fruiting Body Formation in the Gliding Bacterium <i>Myxococcus xanthus</i> . , 0, , 243-262.		6
146	Developmental Cycle of <i>Coxiella burnetii</i> . , 0, , 427-440.		6
147	The Paleobiologic Record of Cyanobacterial Evolution. , 2014, , 105-129.		5
148	Draft Genome Sequence of <i>Prosthecomicrobium hirschii</i> ATCC 27832 T. <i>Genome Announcements</i> , 2015, 3, .	0.8	5
149	Prokaryotic Development: Strategies To Enhance Survival. , 0, , 1-7.		4
150	Integrated Microfluidic Devices for Studying Aging and Adhesion of Individual Bacteria. <i>Biophysical Journal</i> , 2015, 108, 371a.	0.2	3
151	Growth, Sporulation, and Other Tough Decisions. , 0, , 277-284.		3
152	Development of <i>Stigmatella</i> . , 0, , 285-294.		3
153	Cell-Interactive Sensing of the Environment. , 0, , 263-275.		2
154	Differentiation of Free-Living Rhizobia into Endosymbiotic Bacteroids. , 0, , 441-466.		2
155	A Novel Effector Protein Modulates Response Regulator Activity without Altering Phosphorylation. <i>Molecular Cell</i> , 2010, 39, 319-320.	4.5	0
156	Bacterial chromosome segregation: New insights into non-binary replication and division. <i>Current Biology</i> , 2021, 31, R1044-R1046.	1.8	0
157	Developmental Control in <i>Caulobacter crescentus</i> : Strategies for Survival in Oligotrophic Environments. , 0, , 385-395.		0
158	Co-Option and Detoxification of a Phage Lysin for Housekeeping Function. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
159	Special Sections for the 8th Biennial International Conference on the Biology of Vibrios. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	0
160	Special Sections for the 8th Biennial International Conference on the Biology of Vibrios. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	0