

Iain G Duggin

List of Publications by Citations

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47
papers

849
citations

16
h-index

28
g-index

53
ext. papers

1,147
ext. citations

7
avg, IF

4.2
L-index

#	Paper	IF	Citations
47	Response of the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> to UV damage. <i>Journal of Bacteriology</i> , 2007 , 189, 8708-18	3.5	110
46	The replication fork trap and termination of chromosome replication. <i>Molecular Microbiology</i> , 2008 , 70, 1323-33	4.1	84
45	CetZ tubulin-like proteins control archaeal cell shape. <i>Nature</i> , 2015 , 519, 362-5	50.4	83
44	Chromosome replication dynamics in the archaeon <i>Sulfolobus acidocaldarius</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 16737-42	11.5	57
43	Termination structures in the <i>Escherichia coli</i> chromosome replication fork trap. <i>Journal of Molecular Biology</i> , 2009 , 387, 532-9	6.5	55
42	Metabolic Adaptations of Uropathogenic in the Urinary Tract. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 241	5.9	44
41	Replication termination and chromosome dimer resolution in the archaeon <i>Sulfolobus solfataricus</i> . <i>EMBO Journal</i> , 2011 , 30, 145-53	13	33
40	Structure of the RTP-DNA complex and the mechanism of polar replication fork arrest. <i>Nature Structural Biology</i> , 2001 , 8, 206-10		31
39	The small GTPases Rab5 and RalA regulate intracellular traffic of P-glycoprotein. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007 , 1773, 1062-72	4.9	28
38	DNA damage induces nucleoid compaction via the Mre11-Rad50 complex in the archaeon <i>Haloferax volcanii</i> . <i>Molecular Microbiology</i> , 2013 , 87, 168-79	4.1	27
37	The chromosome replication machinery of the archaeon <i>Sulfolobus solfataricus</i> . <i>Journal of Biological Chemistry</i> , 2006 , 281, 15029-32	5.4	27
36	The sub-cellular localization of <i>Sulfolobus</i> DNA replication. <i>Nucleic Acids Research</i> , 2012 , 40, 5487-96	20.1	25
35	Site-directed mutants of RTP of <i>Bacillus subtilis</i> and the mechanism of replication fork arrest. <i>Journal of Molecular Biology</i> , 1999 , 286, 1325-35	6.5	24
34	Division plane placement in pleomorphic archaea is dynamically coupled to cell shape. <i>Molecular Microbiology</i> , 2019 , 112, 785-799	4.1	22
33	Functional specificity of the replication fork-arrest complexes of <i>Bacillus subtilis</i> and <i>Escherichia coli</i> : significant specificity for Tus-Ter functioning in <i>E. coli</i> . <i>Molecular Microbiology</i> , 2000 , 36, 1327-35	4.1	17
32	Improved growth and morphological plasticity of. <i>Microbiology (United Kingdom)</i> , 2021 , 167,	2.9	17
31	Developing a genetic manipulation system for the Antarctic archaeon, <i>Halorubrum lacusprofundi</i> : investigating acetamidase gene function. <i>Scientific Reports</i> , 2016 , 6, 34639	4.9	14

30	A novel mass spectrometric strategy "BEMAP" reveals Extensive O-linked protein glycosylation in Enterotoxigenic Escherichia coli. <i>Scientific Reports</i> , 2016 , 6, 32016	4.9	14
29	Molecular Interactions of the Min Protein System Reproduce Spatiotemporal Patterning in Growing and Dividing Escherichia coli Cells. <i>PLoS ONE</i> , 2015 , 10, e0128148	3.7	11
28	A complex mechanism determines polarity of DNA replication fork arrest by the replication terminator complex of Bacillus subtilis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 13105-13	5.4	11
27	The Tubulin Superfamily in Archaea. <i>Sub-Cellular Biochemistry</i> , 2017 , 84, 393-417	5.5	11
26	Improved growth and morphological plasticity of Haloferax volcanii		10
25	The impact of single cysteine residue mutations on the replication terminator protein. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 310, 1096-103	3.4	9
24	Two FtsZ proteins orchestrate archaeal cell division through distinct functions in ring assembly and constriction		9
23	Establishing Live-Cell Single-Molecule Localization Microscopy Imaging and Single-Particle Tracking in the Archaeon. <i>Frontiers in Microbiology</i> , 2020 , 11, 583010	5.7	7
22	Cell division in the archaeon Haloferax volcanii relies on two FtsZ proteins with distinct functions in division ring assembly and constriction. <i>Nature Microbiology</i> , 2021 , 6, 594-605	26.6	7
21	Archaeal cell biology: diverse functions of tubulin-like cytoskeletal proteins at the cell envelope. <i>Emerging Topics in Life Sciences</i> , 2018 , 2, 547-559	3.5	6
20	Distinct Morphological Fates of Uropathogenic Intracellular Bacterial Communities: Dependency on Urine Composition and pH. <i>Infection and Immunity</i> , 2020 , 88,	3.7	5
19	Conserved residues are critical for Haloferax volcanii archaeosortase catalytic activity: Implications for convergent evolution of the catalytic mechanisms of non-homologous sortases from archaea and bacteria. <i>Molecular Microbiology</i> , 2018 , 108, 276-287	4.1	5
18	DNA replication fork arrest by the Bacillus subtilis RTP-DNA complex involves a mechanism that is independent of the affinity of RTP-DNA binding. <i>Journal of Molecular Biology</i> , 2006 , 361, 1-6	6.5	5
17	Identification and characterisation of the RalA-ERp57 interaction: evidence for GDI activity of ERp57. <i>PLoS ONE</i> , 2012 , 7, e50879	3.7	5
16	An Oscillating MinD Protein Determines the Cellular Positioning of the Motility Machinery in Archaea. <i>Current Biology</i> , 2020 , 30, 4956-4972.e4	6.3	4
15	Analysis of the Archaeal ESCRT Apparatus. <i>Methods in Molecular Biology</i> , 2019 , 1998, 1-11	1.4	4
14	Non-linear Min protein interactions generate harmonics that signal mid-cell division in Escherichia coli. <i>PLoS ONE</i> , 2017 , 12, e0185947	3.7	3
13	Interaction of the replication terminator protein of Bacillus subtilis with DNA probed by NMR spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 335, 361-6	3.4	3

12	Patterning of the MinD cell division protein in cells of arbitrary shape can be predicted using a heuristic dispersion relation. <i>AIMS Biophysics</i> , 2016 , 3, 119-145	0.8	3
11	An oscillating MinD protein determines the cellular positioning of the motility machinery in archaea		3
10	Mycobacterial infection-induced miR-206 inhibits protective neutrophil recruitment via the CXCL12/CXCR4 signalling axis. <i>PLoS Pathogens</i> , 2021 , 17, e1009186	7.6	3
9	A newly identified prophage-encoded gene, , causes SOS-inducible filamentation in. <i>Journal of Bacteriology</i> , 2021 ,	3.5	3
8	Mycobacterial infection-induced miR-206 inhibits protective neutrophil recruitment via the CXCL12/CXCR4 signalling axis		2
7	The Repressor C Protein, Pf4r, Controls Superinfection of PAO1 by the Pf4 Filamentous Phage and Regulates Host Gene Expression. <i>Viruses</i> , 2021 , 13,	6.2	2
6	The novel E. coli cell division protein, YtfB, plays a role in eukaryotic cell adhesion. <i>Scientific Reports</i> , 2020 , 10, 6745	4.9	1
5	Establishing live-cell single-molecule localization microscopy imaging and single-particle tracking in the archaeon <i>Haloferax volcanii</i>		1
4	High-throughput sequencing of sorted expression libraries reveals inhibitors of bacterial cell division. <i>BMC Genomics</i> , 2018 , 19, 781	4.5	1
3	CdrS Is a Global Transcriptional Regulator Influencing Cell Division in <i>Haloferax volcanii</i> . <i>MBio</i> , 2021 , 12, e0141621	7.8	1
2	Termination of DNA Replication in Prokaryotes1-15		
1	Cysteine biosynthesis contributes to ̢-methylamino-L-alanine tolerance in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , 2021 , 172, 103852		4