

Iain G Duggin

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9512084/iain-g-duggin-publications-by-year.pdf>

Version: 2024-04-27

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.

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	Cell division in the archaeon <i>Haloferax volcanii</i> 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
46	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
45	A newly identified prophage-encoded gene, , causes SOS-inducible filamentation in. <i>Journal of Bacteriology</i> , 2021 ,	3.5	3
44	Cysteine biosynthesis contributes to ϵ -methylamino-l-alanine tolerance in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , 2021 , 172, 103852	4	
43	Improved growth and morphological plasticity of. <i>Microbiology (United Kingdom)</i> , 2021 , 167,	2.9	17
42	CdrS Is a Global Transcriptional Regulator Influencing Cell Division in <i>Haloferax volcanii</i> . <i>MBio</i> , 2021 , 12, e0141621	7.8	1
41	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
40	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
39	Distinct Morphological Fates of Uropathogenic Intracellular Bacterial Communities: Dependency on Urine Composition and pH. <i>Infection and Immunity</i> , 2020 , 88,	3.7	5
38	The novel <i>E. coli</i> cell division protein, YtfB, plays a role in eukaryotic cell adhesion. <i>Scientific Reports</i> , 2020 , 10, 6745	4.9	1
37	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
36	Division plane placement in pleomorphic archaea is dynamically coupled to cell shape. <i>Molecular Microbiology</i> , 2019 , 112, 785-799	4.1	22
35	Analysis of the Archaeal ESCRT Apparatus. <i>Methods in Molecular Biology</i> , 2019 , 1998, 1-11	1.4	4
34	Conserved residues are critical for <i>Haloferax volcanii</i> 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
33	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
32	High-throughput sequencing of sorted expression libraries reveals inhibitors of bacterial cell division. <i>BMC Genomics</i> , 2018 , 19, 781	4.5	1
31	Non-linear Min protein interactions generate harmonics that signal mid-cell division in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2017 , 12, e0185947	3.7	3

30	Metabolic Adaptations of Uropathogenic in the Urinary Tract. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 241	5.9	44
29	The Tubulin Superfamily in Archaea. <i>Sub-Cellular Biochemistry</i> , 2017 , 84, 393-417	5.5	11
28	Developing a genetic manipulation system for the Antarctic archaeon, Halorubrum lacusprofundi: investigating acetamidase gene function. <i>Scientific Reports</i> , 2016 , 6, 34639	4.9	14
27	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
26	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
25	CetZ tubulin-like proteins control archaeal cell shape. <i>Nature</i> , 2015 , 519, 362-5	50.4	83
24	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
23	DNA damage induces nucleoid compaction via the Mre11-Rad50 complex in the archaeon Haloferax volcanii. <i>Molecular Microbiology</i> , 2013 , 87, 168-79	4.1	27
22	The sub-cellular localization of Sulfolobus DNA replication. <i>Nucleic Acids Research</i> , 2012 , 40, 5487-96	20.1	25
21	Identification and characterisation of the RalA-ERp57 interaction: evidence for GDI activity of ERp57. <i>PLoS ONE</i> , 2012 , 7, e50879	3.7	5
20	Replication termination and chromosome dimer resolution in the archaeon Sulfolobus solfataricus. <i>EMBO Journal</i> , 2011 , 30, 145-53	13	33
19	Termination structures in the Escherichia coli chromosome replication fork trap. <i>Journal of Molecular Biology</i> , 2009 , 387, 532-9	6.5	55
18	The replication fork trap and termination of chromosome replication. <i>Molecular Microbiology</i> , 2008 , 70, 1323-33	4.1	84
17	Chromosome replication dynamics in the archaeon Sulfolobus acidocaldarius. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 16737-42	11.5	57
16	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
15	Response of the hyperthermophilic archaeon Sulfolobus solfataricus to UV damage. <i>Journal of Bacteriology</i> , 2007 , 189, 8708-18	3.5	110
14	The chromosome replication machinery of the archaeon Sulfolobus solfataricus. <i>Journal of Biological Chemistry</i> , 2006 , 281, 15029-32	5.4	27
13	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

12	Interaction of the replication terminator protein of <i>Bacillus subtilis</i> with DNA probed by NMR spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 335, 361-6	3-4	3
11	A complex mechanism determines polarity of DNA replication fork arrest by the replication terminator complex of <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 13105-13	5-4	11
10	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
9	Structure of the RTP-DNA complex and the mechanism of polar replication fork arrest. <i>Nature Structural Biology</i> , 2001 , 8, 206-10		31
8	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
7	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
6	Termination of DNA Replication in Prokaryotes 1-15		
5	An oscillating MinD protein determines the cellular positioning of the motility machinery in archaea		3
4	Improved growth and morphological plasticity of <i>Haloferax volcanii</i>		10
3	Two FtsZ proteins orchestrate archaeal cell division through distinct functions in ring assembly and constriction		9
2	Establishing live-cell single-molecule localization microscopy imaging and single-particle tracking in the archaeon <i>Haloferax volcanii</i>		1
1	Mycobacterial infection-induced miR-206 inhibits protective neutrophil recruitment via the CXCL12/CXCR4 signalling axis		2