Yu-Ling Shih

List of Publications by Year
in descending order

31	1,953	394421 19	501196 28
papers	citations	h-index	g-index
32	32	32	1803
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Division site selection in <i>Escherichia coli</i> involves dynamic redistribution of Min proteins within coiled structures that extend between the two cell poles. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7865-7870.	7.1	331
2	Spatial control of bacterial division-site placement. Nature Reviews Microbiology, 2005, 3, 959-968.	28.6	249
3	The Bacterial Cytoskeleton. Microbiology and Molecular Biology Reviews, 2006, 70, 729-754.	6.6	225
4	The MinE ring required for proper placement of the division site is a mobile structure that changes its cellular location during the Escherichia coli division cycle. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 980-985.	7.1	126
5	Division site placement in E.coli: mutations that prevent formation of the MinE ring lead to loss of the normal midcell arrest of growth of polar MinD membrane domains. EMBO Journal, 2002, 21, 3347-3357.	7.8	106
6	The hexA gene of Erwinia carotovora encodes a LysR homologue and regulates motility and the expression of multiple virulence determinants. Molecular Microbiology, 2002, 28, 705-717.	2.5	106
7	The MreB and Min cytoskeletal-like systems play independent roles in prokaryotic polar differentiation. Molecular Microbiology, 2005, 58, 917-928.	2.5	103
8	Direct MinEâ€“membrane interaction contributes to the proper localization of MinDE in <i>E. coli</i>. Molecular Microbiology, 2010, 75, 499-512.	2.5	82
9	Assembly of the MreBâ€associated cytoskeletal ring of <i>Escherichia coli</i>. Molecular Microbiology, 2009, 72, 170-182.	2.5	79
10	Structural basis for the topological specificity function of MinE. Nature Structural Biology, 2000, 7, 1013-1017.	9.7	75
11	Involvement of type VI secretion system in secretion of iron chelator pyoverdine in Pseudomonas taiwanensis. Scientific Reports, 2016, 6, 32950.	3.3	60
12	Polar Explorers. Cell, 2001, 106, 13-16.	28.9	55
13	A Multivalent Marine Lectin from <i>Crenomytilus grayanus</i> Possesses Anti-cancer Activity through Recognizing Globotriose Gb3. Journal of the American Chemical Society, 2016, 138, 4787-4795.	13.7	51
14	Effector loading onto the VgrG carrier activates type <scp>VI</scp> secretion system assembly. EMBO Reports, 2020, 21, e47961.	4.5	47
15	Generalized transduction in the potato blackleg pathogen Erwinia carotovora subsp. atroseptica by bacteriophage M1. Microbiology (United Kingdom), 1997, 143, 2433-2438.	1.8	41
16	The N-Terminal Amphipathic Helix of the Topological Specificity Factor MinE Is Associated with Shaping Membrane Curvature. PLoS ONE, 2011, 6, e21425.	2.5	39
17	The hexY genes of Erwinia carotovora ssp. carotovora and ssp. atroseptica encode novel proteins that regulate virulence and motility co-ordinately. Environmental Microbiology, 1999, 1, 535-547.	3.8	27
18	Spatial control of the cell division site by the <scp>Min</scp> system in <i><scp>E</scp>scherichia coli</i>. Environmental Microbiology, 2013, 15, 3229-3239.	3.8	27

#	Article	IF	Citations
19	Mitochondrial Genome Maintenance 1 (Mgm1) Protein Alters Membrane Topology and Promotes Local Membrane Bending. Journal of Molecular Biology, 2015, 427, 2599-2609.	4.2	25
20	Quantitative Proteomics Analysis Reveals the Min System of Escherichia coli Modulates Reversible Protein Association with the Inner Membrane. Molecular and Cellular Proteomics, 2016, 15, 1572-1583.	3.8	22
21	Self-Assembly of MinE on the Membrane Underlies Formation of the MinE Ring to Sustain Function of the Escherichia coli Min System. Journal of Biological Chemistry, 2014, 289, 21252-21266.	3.4	18
22	Active Transport of Membrane Components by Self-Organization of the Min Proteins. Biophysical Journal, 2019, 116, 1469-1482.	0.5	17
23	Atomic Force Microscopy Characterization of Protein Fibrils Formed by the Amyloidogenic Region of the Bacterial Protein MinE on Mica and a Supported Lipid Bilayer. PLoS ONE, 2015, 10, e0142506.	2.5	17
24	Polar positional information in Escherichia coli spherical cells. Biochemical and Biophysical Research Communications, 2007, 353, 493-500.	2.1	11
25	Probing bacterial cell wall growth by tracing wall-anchored protein complexes. Nature Communications, 2021, 12, 2160.	12.8	6
26	Peptidoglycan Endopeptidase Spr of Uropathogenic Escherichia coli Contributes to Kidney Infections and Competitive Fitness During Bladder Colonization. Frontiers in Microbiology, 2020, 11, 586214.	3.5	5
27	Quantitative inner membrane proteome datasets of the wild-type and the Î”min mutant of Escherichia coli. Data in Brief, 2016, 8, 304-307.	1.0	1
28	Harnessing Fluorescent Moenomycin A Antibiotics for Bacterial Cell Wall Imaging Studies. ChemBioChem, 2021, 22, 3462-3468.	2.6	1
29	Mgm1 Alters Membrane Topology and Promotes Local Membrane Bending to Drive Mitochondrial Membrane Fusion. Biophysical Journal, 2013, 104, 98a.	0.5	0
30	Study of Min Protein-Induced Membrane Waves in vitro. Biophysical Journal, 2015, 108, 78a.	0.5	0
31	Analyses of dynamic properties of the MinD cytoskeleton. FASEB Journal, 2008, 22, 262-262.	0.5	0