

# Elizabeth J Harry

## List of Publications by Year in descending order

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90  
papers

4,955  
citations

66234

42  
h-index

98622

67  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding, Monitoring, and Controlling Biofilm Growth in Drinking Water Distribution Systems. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8954-8976.	4.6	302
2	Cell-division inhibitors: new insights for future antibiotics. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 324-338.	21.5	221
3	3D-SIM Super Resolution Microscopy Reveals a Bead-Like Arrangement for FtsZ and the Division Machinery: Implications for Triggering Cytokinesis. <i>PLoS Biology</i> , 2012, 10, e1001389.	2.6	186
4	Use of immunofluorescence to visualize cell-specific gene expression during sporulation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1995, 177, 3386-3393.	1.0	181
5	Bacterial Cell Division: The Mechanism and Its Precision. <i>International Review of Cytology</i> , 2006, 253, 27-94.	6.2	158
6	Visualization of the subcellular location of sporulation proteins in <i>Bacillus subtilis</i> using immunofluorescence microscopy. <i>Molecular Microbiology</i> , 1995, 18, 459-470.	1.2	149
7	CetZ tubulin-like proteins control archaeal cell shape. <i>Nature</i> , 2015, 519, 362-365.	13.7	138
8	Therapeutic Manuka Honey: No Longer So Alternative. <i>Frontiers in Microbiology</i> , 2016, 7, 569.	1.5	128
9	Manuka-type honeys can eradicate biofilms produced by <i>Staphylococcus aureus</i> strains with different biofilm-forming abilities. <i>PeerJ</i> , 2014, 2, e326.	0.9	122
10	Role of penicillin-binding protein PBP 2B in assembly and functioning of the division machinery of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2000, 35, 299-311.	1.2	113
11	Characterization of the essential cell division gene <i>ftsZ</i> of <i>Bacillus subtilis</i> and its role in the assembly of the division apparatus. <i>Molecular Microbiology</i> , 1998, 29, 593-604.	1.2	112
12	Extracellular signal protein triggering the proteolytic activation of a developmental transcription factor in <i>B. subtilis</i> . <i>Cell</i> , 1995, 83, 219-226.	13.5	109
13	DNA Replication Is the Target for the Antibacterial Effects of Nonsteroidal Anti-Inflammatory Drugs. <i>Chemistry and Biology</i> , 2014, 21, 481-487.	6.2	102
14	Bacterial cell division: regulating Z-ring formation. <i>Molecular Microbiology</i> , 2001, 40, 795-803.	1.2	96
15	Coordinating Bacterial Cell Division with Nutrient Availability: a Role for Glycolysis. <i>MBio</i> , 2014, 5, e00935-14.	1.8	93
16	Metabolic Adaptations of Uropathogenic <i>E. coli</i> in the Urinary Tract. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 241.	1.8	93
17	A longitudinal study of the diabetic skin and wound microbiome. <i>PeerJ</i> , 2017, 5, e3543.	0.9	93
18	Synergism between Medihoney and Rifampicin against Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>PLoS ONE</i> , 2013, 8, e57679.	1.1	91

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19	The Effect of New Zealand Kanuka, Manuka and Clover Honeys on Bacterial Growth Dynamics and Cellular Morphology Varies According to the Species. <i>PLoS ONE</i> , 2013, 8, e55898.	1.1	88
20	A new assembly pathway for the cytokinetic Z ring from a dynamic helical structure in vegetatively growing cells of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2007, 64, 487-499.	1.2	85
21	Cell Division in <i>Bacillus subtilis</i> : FtsZ and FtsA Association Is Z-Ring Independent, and FtsA Is Required for Efficient Midcell Z-Ring Assembly. <i>Journal of Bacteriology</i> , 2005, 187, 6536-6544.	1.0	79
22	The Min System and Nucleoid Occlusion Are Not Required for Identifying the Division Site in <i>Bacillus subtilis</i> but Ensure Its Efficient Utilization. <i>PLoS Genetics</i> , 2012, 8, e1002561.	1.5	79
23	Division site positioning in bacteria: one size does not fit all. <i>Frontiers in Microbiology</i> , 2014, 5, 19.	1.5	78
24	Widespread and Indiscriminate Nanosilver Use: Genuine Potential for Microbial Resistance. <i>ACS Nano</i> , 2017, 11, 3438-3445.	7.3	77
25	Co-ordinating DNA replication with cell division in bacteria: a link between the early stages of a round of replication and mid-cell Z ring assembly. <i>Molecular Microbiology</i> , 1999, 33, 33-40.	1.2	70
26	Lateral FtsZ association and the assembly of the cytokinetic Z ring in bacteria. <i>Molecular Microbiology</i> , 2009, 74, 1004-1017.	1.2	68
27	Essential Biological Processes of an Emerging Pathogen: DNA Replication, Transcription, and Cell Division in <i>Acinetobacter</i> spp. <i>Microbiology and Molecular Biology Reviews</i> , 2010, 74, 273-297.	2.9	68
28	Analysis of the flavonoid component of bioactive New Zealand mānuka ( <i>Leptospermum scoparium</i> ) honey and the isolation, characterisation and synthesis of an unusual pyrrole. <i>Food Chemistry</i> , 2013, 141, 1772-1781.	4.2	68
29	Honey can inhibit and eliminate biofilms produced by <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2019, 9, 18160.	1.6	63
30	The Antibacterial Activity of Australian <i>Leptospermum</i> Honey Correlates with Methylglyoxal Levels. <i>PLoS ONE</i> , 2016, 11, e0167780.	1.1	61
31	Early targeting of Min proteins to the cell poles in germinated spores of <i>Bacillus subtilis</i> : evidence for division apparatus-independent recruitment of Min proteins to the division site. <i>Molecular Microbiology</i> , 2003, 47, 37-48.	1.2	58
32	Specific non-peroxide antibacterial effect of manuka honey on the <i>Staphylococcus aureus</i> proteome. <i>International Journal of Antimicrobial Agents</i> , 2012, 40, 43-50.	1.1	58
33	The membrane-bound cell division protein DivIB is localized to the division site in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 1997, 25, 275-283.	1.2	56
34	The midcell replication factory in <i>Bacillus subtilis</i> is highly mobile: implications for coordinating chromosome replication with other cell cycle events. <i>Molecular Microbiology</i> , 2004, 54, 452-463.	1.2	56
35	Super-resolution imaging of the bacterial cytokinetic protein FtsZ. <i>Micron</i> , 2011, 42, 336-341.	1.1	54
36	The Min system is not required for precise placement of the midcell Z ring in <i>Bacillus subtilis</i> . <i>EMBO Reports</i> , 2002, 3, 1163-1167.	2.0	51

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37	Discovery of Lead Compounds Targeting the Bacterial Sliding Clamp Using a Fragment-Based Approach. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2799-2806.	2.9	49
38	Dinuclear ruthenium(<sc>ii</sc>) antimicrobial agents that selectively target polysomes in vivo. <i>Chemical Science</i> , 2014, 5, 685-693.	3.7	48
39	Mid-cell Z ring assembly in the absence of entry into the elongation phase of the round of replication in bacteria: co-ordinating chromosome replication with cell division. <i>Molecular Microbiology</i> , 2000, 38, 423-434.	1.2	47
40	Increasing the Ratio of Soj to SpoJ Promotes Replication Initiation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2003, 185, 6316-6324.	1.0	47
41	FtsZ as an Antibacterial Target: Status and Guidelines for Progressing This Avenue. <i>ACS Infectious Diseases</i> , 2019, 5, 1279-1294.	1.8	47
42	Trapping of a Spiral-Like Intermediate of the Bacterial Cytokinetic Protein FtsZ. <i>Journal of Bacteriology</i> , 2006, 188, 1680-1690.	1.0	46
43	Influence of the nucleoid and the early stages of DNA replication on positioning the division site in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2010, 76, 634-647.	1.2	46
44	The <i>Bacillus subtilis</i> division protein DivC is a highly abundant membrane-bound protein that localizes to the division site. <i>Molecular Microbiology</i> , 1997, 26, 1047-1055.	1.2	45
45	Antibiotic-specific differences in the response of <i>Staphylococcus aureus</i> to treatment with antimicrobials combined with manuka honey. <i>Frontiers in Microbiology</i> , 2014, 5, 779.	1.5	44
46	Characterization of mutations in divB of <i>Bacillus subtilis</i> and cellular localization of the DivB protein. <i>Molecular Microbiology</i> , 1993, 7, 611-621.	1.2	42
47	The <i>Bacillus subtilis</i> cell division proteins FtsL and DivC are intrinsically unstable and do not interact with one another in the absence of other septasomal components. <i>Molecular Microbiology</i> , 2002, 44, 663-674.	1.2	42
48	Connecting the dots of the bacterial cell cycle: Coordinating chromosome replication and segregation with cell division. <i>Seminars in Cell and Developmental Biology</i> , 2016, 53, 2-9.	2.3	42
49	Structure and function of a spectrin-like regulator of bacterial cytokinesis. <i>Nature Communications</i> , 2014, 5, 5421.	5.8	41
50	Cloning and expression of a <i>Bacillus subtilis</i> division initiation gene for which a homolog has not been identified in another organism. <i>Journal of Bacteriology</i> , 1989, 171, 6835-6839.	1.0	40
51	A simple plasmid-based system that allows rapid generation of tightly controlled gene expression in <i>Staphylococcus aureus</i> . <i>Microbiology (United Kingdom)</i> , 2011, 157, 666-676.	0.7	40
52	<i>Bacillus subtilis</i> YabA is involved in determining the timing and synchrony of replication initiation. <i>FEMS Microbiology Letters</i> , 2005, 247, 73-79.	0.7	39
53	Septal Localization of the Membrane-Bound Division Proteins of <i>Bacillus subtilis</i> DivIB and DivIC Is Codependent Only at High Temperatures and Requires FtsZ. <i>Journal of Bacteriology</i> , 2000, 182, 3607-3611.	1.0	37
54	Rifampicin-Manuka Honey Combinations Are Superior to Other Antibiotic-Manuka Honey Combinations in Eradicating <i>Staphylococcus aureus</i> Biofilms. <i>Frontiers in Microbiology</i> , 2017, 8, 2653.	1.5	37

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55	Characterizing the Mechanism of Action of an Ancient Antimicrobial, Manuka Honey, against <i>Pseudomonas aeruginosa</i> Using Modern Transcriptomics. <i>MSystems</i> , 2020, 5, .	1.7	30
56	Improved 2-DE of microorganisms after acidic extraction. <i>Electrophoresis</i> , 2006, 27, 1630-1640.	1.3	29
57	Coordination of Chromosome Segregation and Cell Division in <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1575.	1.5	29
58	Heritable nanosilver resistance in priority pathogen: a unique genetic adaptation and comparison with ionic silver and antibiotics. <i>Nanoscale</i> , 2020, 12, 2384-2392.	2.8	29
59	<i>Cryptococcus</i> Strains with Different Pathogenic Potentials Have Diverse Protein Secretomes. <i>Eukaryotic Cell</i> , 2015, 14, 554-563.	3.4	28
60	Harnessing Single Cell Sorting to Identify Cell Division Genes and Regulators in Bacteria. <i>PLoS ONE</i> , 2013, 8, e60964.	1.1	27
61	You Are What You Eat: Metabolic Control of Bacterial Division. <i>Trends in Microbiology</i> , 2016, 24, 181-189.	3.5	26
62	Cell division protein DivIB influences the Spo0J/Soj system of chromosome segregation in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2004, 55, 349-367.	1.2	25
63	Nanosilver and the microbiological activity of the particulate solids versus the leached soluble silver. <i>Nanotoxicology</i> , 2018, 12, 263-273.	1.6	23
64	Conservation of the 168 divIB gene in <i>Bacillus subtilis</i> W23 and <i>B. licheniformis</i> , and evidence for homology to ftsQ of <i>Escherichia coli</i> . <i>Gene</i> , 1994, 147, 85-89.	1.0	19
65	Coordinating DNA replication with cell division: Lessons from outgrowing spores. <i>Biochimie</i> , 2001, 83, 75-81.	1.3	18
66	Identifying how bacterial cells find their middle: a new perspective. <i>Molecular Microbiology</i> , 2013, 87, 231-234.	1.2	17
67	Time-Course Proteome Analysis Reveals the Dynamic Response of <i>Cryptococcus gattii</i> Cells to Fluconazole. <i>PLoS ONE</i> , 2012, 7, e42835.	1.1	17
68	Super-resolution Imaging of the Cytokinetic Z Ring in Live Bacteria Using Fast 3D-Structured Illumination Microscopy (f3D-SIM). <i>Journal of Visualized Experiments</i> , 2014, , 51469.	0.2	14
69	Requirement for the Cell Division Protein DivIB in Polar Cell Division and Engulfment during Sporulation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 7677-7685.	1.0	12
70	The divisomal protein DivIB contains multiple epitopes that mediate its recruitment to incipient division sites. <i>Molecular Microbiology</i> , 2008, 67, 1143-1155.	1.2	12
71	The ParB homologs, Spo0J and Noc, together prevent premature midcell Z ring assembly when the early stages of replication are blocked in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2019, 112, 766-784.	1.2	11
72	A cost-effective colourimetric assay for quantifying hydrogen peroxide in honey. <i>Access Microbiology</i> , 2019, 1, e000065.	0.2	11

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73	Expression of divB of <i>Bacillus subtilis</i> during vegetative growth. <i>Journal of Bacteriology</i> , 1994, 176, 1172-1179.	1.0	10
74	Analysis of FtsZ Crystal Structures Towards a New Target for Antibiotics. <i>Australian Journal of Chemistry</i> , 2019, 72, 184-193.	0.5	9
75	Immobilization Techniques of Bacteria for Live Super-resolution Imaging Using Structured Illumination Microscopy. <i>Methods in Molecular Biology</i> , 2017, 1535, 197-209.	0.4	8
76	DNA condensation in live <i>E. coli</i> provides evidence for transertion. <i>Molecular BioSystems</i> , 2017, 13, 677-680.	2.9	7
77	Uncovering novel susceptibility targets to enhance the efficacy of third-generation cephalosporins against ESBL-producing uropathogenic <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1415-1423.	1.3	7
78	A Newly Identified Prophage Gene, <i>yfmM</i> , Causes SOS-Inducible Filamentation in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	1.0	7
79	Cataloguing the small RNA content of honey using next generation sequencing. <i>Food Chemistry Molecular Sciences</i> , 2021, 2, 100014.	0.9	7
80	Illuminating the force: Bacterial mitosis?. <i>Trends in Microbiology</i> , 1997, 5, 295-297.	3.5	6
81	High-throughput sequencing of sorted expression libraries reveals inhibitors of bacterial cell division. <i>BMC Genomics</i> , 2018, 19, 781.	1.2	6
82	Inhibition of Dermatophyte Fungi by Australian Jarrah Honey. <i>Pathogens</i> , 2021, 10, 194.	1.2	6
83	A streamlined approach to high-throughput proteomics. <i>Expert Review of Proteomics</i> , 2005, 2, 173-185.	1.3	4
84	Effects of <i>oriC</i> relocation on control of replication initiation in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 3070-3082.	0.7	4
85	Factors affecting the production and measurement of hydrogen peroxide in honey samples. <i>Access Microbiology</i> , 2021, 3, 000198.	0.2	4
86	Synthesis and biological evaluation of 3,5-substituted pyrazoles as possible antibacterial agents. <i>Biorganic and Medicinal Chemistry</i> , 2021, 48, 116401.	1.4	4
87	The novel <i>E. coli</i> cell division protein, YtfB, plays a role in eukaryotic cell adhesion. <i>Scientific Reports</i> , 2020, 10, 6745.	1.6	3
88	You are what you secrete: extracellular proteins and virulence in <i>Cryptococcus</i> . <i>Microbiology Australia</i> , 2015, 36, 93.	0.1	2
89	A beacon for bacterial tubulin. <i>Nature</i> , 2014, 516, 175-176.	13.7	0
90	We Are What We Eat: True for Bacteria Too. <i>Frontiers for Young Minds</i> , 2017, 5, .	0.8	0