

Elizabeth Anne Shank

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,499
citations

361413

20
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

3527
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of the Three-State Folding of a Single Protein Molecule. <i>Science</i> , 2005, 309, 2057-2060.	12.6	587
2	MS/MS networking guided analysis of molecule and gene cluster families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2611-20.	7.1	250
3	The folding cooperativity of a protein is controlled by its chain topology. <i>Nature</i> , 2010, 465, 637-640.	27.8	222
4	Design of synthetic bacterial communities for predictable plant phenotypes. <i>PLoS Biology</i> , 2018, 16, e2003962.	5.6	182
5	New developments in microbial interspecies signaling. <i>Current Opinion in Microbiology</i> , 2009, 12, 205-214.	5.1	177
6	Thiopeptide antibiotics stimulate biofilm formation in <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3086-3091.	7.1	98
7	Extracellular signaling and multicellularity in <i>Bacillus subtilis</i> . <i>Current Opinion in Microbiology</i> , 2011, 14, 741-747.	5.1	97
8	Interspecies interactions that result in <i>Bacillus subtilis</i> forming biofilms are mediated mainly by members of its own genus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E1236-43.	7.1	94
9	Protein-DNA chimeras for single molecule mechanical folding studies with the optical tweezers. <i>European Biophysics Journal</i> , 2008, 37, 729-738.	2.2	93
10	Inhibition of Cell Differentiation in <i>Bacillus subtilis</i> by <i>Pseudomonas protegens</i> . <i>Journal of Bacteriology</i> , 2015, 197, 2129-2138.	2.2	90
11	EcoFABs: advancing microbiome science through standardized fabricated ecosystems. <i>Nature Methods</i> , 2019, 16, 567-571.	19.0	90
12	Large-Scale Bioinformatics Analysis of <i>Bacillus</i> Genomes Uncovers Conserved Roles of Natural Products in Bacterial Physiology. <i>MSystems</i> , 2017, 2, .	3.8	70
13	Cyclic di-AMP Acts as an Extracellular Signal That Impacts <i>Bacillus subtilis</i> Biofilm Formation and Plant Attachment. <i>MBio</i> , 2018, 9, .	4.1	69
14	Natural-Product Antibiotics: Cues for Modulating Bacterial Biofilm Formation. <i>Trends in Microbiology</i> , 2017, 25, 1016-1026.	7.7	50
15	A Dual-Species Biofilm with Emergent Mechanical and Protective Properties. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	45
16	DNA Molecular Handles for Single-Molecule Protein-Folding Studies by Optical Tweezers. <i>Methods in Molecular Biology</i> , 2011, 749, 255-271.	0.9	42
17	Pirated Siderophores Promote Sporulation in <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	37
18	Transparent soil microcosms for live-cell imaging and non-destructive stable isotope probing of soil microorganisms. <i>ELife</i> , 2020, 9, .	6.0	36

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19	Exploring subdomain cooperativity in T4 lysozyme I: Structural and energetic studies of a circular permutant and protein fragment. <i>Protein Science</i> , 2007, 16, 842-851.	7.6	35
20	Profiling the metabolic signals involved in chemical communication between microbes using imaging mass spectrometry. <i>FEMS Microbiology Reviews</i> , 2016, 40, 807-813.	8.6	34
21	Considering the Lives of Microbes in Microbial Communities. <i>MSystems</i> , 2018, 3, .	3.8	23
22	Imaging and Direct Sampling Capabilities of Nanospray Desorption Electrospray Ionization with Absorption-Mode 21 Tesla Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 3629-3636.	6.5	14
23	Defining the Expression, Production, and Signaling Roles of Specialized Metabolites during <i>Bacillus subtilis</i> Differentiation. <i>Journal of Bacteriology</i> , 2021, 203, e0033721.	2.2	13
24	Bacterial Community Members Increase <i>Bacillus subtilis</i> Maintenance on the Roots of <i>Arabidopsis thaliana</i> . <i>Phytobiomes Journal</i> , 2020, 4, 303-313.	2.7	12
25	Direct Visualization of Chemical Cues and Cellular Phenotypes throughout <i>Bacillus subtilis</i> Biofilms. <i>MSystems</i> , 2021, 6, e0103821.	3.8	10
26	Expanding Molecular Coverage in Mass Spectrometry Imaging of Microbial Systems Using Metal-Assisted Laser Desorption/Ionization. <i>Microbiology Spectrum</i> , 2021, 9, e0052021.	3.0	9
27	Inter-Modular Linkers play a crucial role in governing the biosynthesis of non-ribosomal peptides. <i>Bioinformatics</i> , 2019, 35, 3584-3591.	4.1	7
28	Using Coculture to Detect Chemically Mediated Interspecies Interactions. <i>Journal of Visualized Experiments</i> , 2013, , e50863.	0.3	5
29	Monitoring Bacterial Colonization and Maintenance on <i>Arabidopsis thaliana</i> Roots in a Floating Hydroponic System. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	4
30	Rhizobacteria Impact Colonization of <i>Listeria monocytogenes</i> on <i>Arabidopsis thaliana</i> Roots. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0141121.	3.1	2
31	Cyclic di-AMP in <i>Bacillus subtilis</i> Biofilm Formation. , 2020, , 277-291.		1
32	Selective Bacterial Community Enrichment between the Pitcher Plants <i>Sarracenia minor</i> and <i>Sarracenia flava</i> . <i>Microbiology Spectrum</i> , 2021, , e0069621.	3.0	1
33	Draft Genome Sequence of <i>Bacillus luciferensis</i> Isolated from Soil. <i>Genome Announcements</i> , 2016, 4, .	0.8	0