Aimee Shen

List of Publications by Year
in descending order

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50	2,540	218592	223716
papers	citations	26	46
		h-index	g-index

69	69	69	2100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A security check that monitors cell morphogenesis. Trends in Microbiology, 2022, , .	3.5	0
2	Editorial overview: Gene regulation mechanisms governing Clostridioides difficile physiology and virulence. Current Opinion in Microbiology, 2022, 67, 102139.	2.3	0
3	Development of a Dual-Fluorescent-Reporter System in Clostridioides difficile Reveals a Division of Labor between Virulence and Transmission Gene Expression. MSphere, 2022, 7, .	1.3	10
4	Identification of a Novel Regulator of Clostridioides difficile Cortex Formation. MSphere, 2021, 6, e0021121.	1.3	6
5	A lipoprotein allosterically activates the CwlD amidase during Clostridioides difficile spore formation. PLoS Genetics, 2021, 17, e1009791.	1.5	8
6	Epigenomic characterization of Clostridioides difficile finds a conserved DNA methyltransferase that mediates sporulation and pathogenesis. Nature Microbiology, 2020, 5, 166-180.	5.9	75
7	Role of SpoIVA ATPase Motifs during Clostridioides difficile Sporulation. Journal of Bacteriology, 2020, 202, .	1.0	9
8	Clostridioides difficile Spore Formation and Germination: New Insights and Opportunities for Intervention. Annual Review of Microbiology, 2020, 74, 545-566.	2.9	42
9	Translation of Microbiota Short-Chain Fatty Acid Mechanisms Affords Anti-infective Acyl-Salicylic Acid Derivatives. ACS Chemical Biology, 2020, 15, 1141-1147.	1.6	7
10	Clostridioides difficile Spores: Bile Acid Sensors and Trojan Horses of Transmission. Clinics in Colon and Rectal Surgery, 2020, 33, 058-066.	0.5	4
11	Differential effects of â€˜resurrecting' Csp pseudoproteases during Clostridioides difficile spore germination. Biochemical Journal, 2020, 477, 1459-1478.	1.7	5
12	Expanding the repertoire of conservative site-specific recombination in Clostridioides difficile. Anaerobe, 2019, 60, 102073.	1.0	9
13	The CspC pseudoprotease regulates germination of Clostridioides difficile spores in response to multiple environmental signals. PLoS Genetics, 2019, 15, e1008224.	1.5	32
14	Expanding the Clostridioides difficile Genetics Toolbox. Journal of Bacteriology, 2019, 201, .	1.0	5
15	SpoIVA-SipL Complex Formation Is Essential for Clostridioides difficile Spore Assembly. Journal of Bacteriology, 2019, 201, .	1.0	19
16	Sporulation and Germination in Clostridial Pathogens. Microbiology Spectrum, 2019, 7, .	1.2	60
17	Genome-wide detection of conservative site-specific recombination in bacteria. PLoS Genetics, 2018, 14, e1007332.	1.5	41
18	Clostridium difficile Lipoprotein GerS Is Required for Cortex Modification and Thus Spore Germination. MSphere, 2018, 3, .	1.3	33

#	Article	IF	Citations
19	Differential requirements for conserved peptidoglycan remodeling enzymes during Clostridioides difficile spore formation. Molecular Microbiology, 2018, 110, 370-389.	1.2	24
20	A Clostridium difficile -Specific, Gel-Forming Protein Required for Optimal Spore Germination. MBio, 2017, 8, .	1.8	37
21	The Conserved Spore Coat Protein SpoVM Is Largely Dispensable in Clostridium difficile Spore Formation. MSphere, 2017, 2, .	1.3	40
22	Revisiting the Role of Csp Family Proteins in Regulating Clostridium difficile Spore Germination. Journal of Bacteriology, 2017, 199, .	1.0	27
23	Levels of L-malate and other low molecular weight metabolites in spores of Bacillus species and Clostridium difficile. PLoS ONE, 2017, 12, e0182656.	1.1	9
24	Characterization of Clostridium difficile Spores Lacking Either SpoVAC or Dipicolinic Acid Synthetase. Journal of Bacteriology, 2016, 198, 1694-1707.	1.0	58
25	Inducing and Quantifying Clostridium difficile Spore Formation. Methods in Molecular Biology, 2016, 1476, 129-142.	0.4	32
26	Characterization of the Clostridium difficile volatile metabolome using comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1039, 8-16.	1.2	27
27	Editorial: Signals to sociality: how microbial communication fashions communities. FEMS Microbiology Reviews, 2016, 40, 795-797.	3.9	0
28	Effects of High-Pressure Treatment on Spores of Clostridium Species. Applied and Environmental Microbiology, 2016, 82, 5287-5297.	1.4	32
29	Regulation of Clostridium difficile spore germination by the CspA pseudoprotease domain. Biochimie, 2016, 122, 243-254.	1.3	60
30	Regulation of Clostridium difficile Spore Formation by the SpoIIQ and SpoIIIA Proteins. PLoS Genetics, 2015, 11, e1005562.	1.5	55
31	Identification of a Novel Lipoprotein Regulator of Clostridium difficile Spore Germination. PLoS Pathogens, 2015, 11, e1005239.	2.1	66
32	Diverse mechanisms regulate sporulation sigma factor activity in the Firmicutes. Current Opinion in Microbiology, 2015, 24, 88-95.	2.3	116
33	<scp>SpoIIID</scp>â€mediated regulation of Ïƒ<scp>^K</scp> function during <scp>C</scp>lostridium difficile sporulation. Molecular Microbiology, 2015, 95, 189-208.	1.2	66
34	Characterization of the Dynamic Germination of Individual Clostridium difficile Spores Using Raman Spectroscopy and Differential Interference Contrast Microscopy. Journal of Bacteriology, 2015, 197, 2361-2373.	1.0	60
35	A small-molecule antivirulence agent for treating Clostridium difficile infection. Science Translational Medicine, 2015, 7, 306ra148.	5.8	117
36	A Gut Odyssey: The Impact of the Microbiota on Clostridium difficile Spore Formation and Germination. PLoS Pathogens, 2015, 11, e1005157.	2.1	53

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37	Clostridium difficile spore biology: sporulation, germination, and spore structural proteins. Trends in Microbiology, 2014, 22, 406-416.	3.5	346
38	Simplified Protein Purification Using an Autoprocessing, Inducible Enzyme Tag. Methods in Molecular Biology, 2014, 1177, 59-70.	0.4	2
39	Global Analysis of the Sporulation Pathway of Clostridium difficile. PLoS Genetics, 2013, 9, e1003660.	1.5	219
40	Structural and Functional Analysis of the CspB Protease Required for Clostridium Spore Germination. PLoS Pathogens, 2013, 9, e1003165.	2.1	99
41	SpoIVA and SipL Are Clostridium difficile Spore Morphogenetic Proteins. Journal of Bacteriology, 2013, 195, 1214-1225.	1.0	129
42	<i>Clostridium difficile</i> Toxins: Mediators of Inflammation. Journal of Innate Immunity, 2012, 4, 149-158.	1.8	164
43	Defining an allosteric circuit in the cysteine protease domain of Clostridium difficile toxins. Nature Structural and Molecular Biology, 2011, 18, 364-371.	3.6	66
44	Rational Design of Inhibitors and Activity-Based Probes Targeting Clostridium difficile Virulence Factor TcdB. Chemistry and Biology, 2010, 17, 1201-1211.	6.2	58
45	Autoproteolytic Activation of Bacterial Toxins. Toxins, 2010, 2, 963-977.	1.5	16
46	Allosteric regulation of protease activity by small molecules. Molecular BioSystems, 2010, 6, 1431.	2.9	41
47	Mechanistic and structural insights into the proteolytic activation of Vibrio cholerae MARTX toxin. Nature Chemical Biology, 2009, 5, 469-478.	3.9	77
48	Simplified, Enhanced Protein Purification Using an Inducible, Autoprocessing Enzyme Tag. PLoS ONE, 2009, 4, e8119.	1.1	74
49	Friend or Foe? Turning a Host Defense Protein Into a Pathogen's Accomplice. Chemistry and Biology, 2008, 15, 879-880.	6.2	1
50	Sporulation and Germination in Clostridial Pathogens. , 0, , 903-926.		2