Aimee Shen

List of Publications by Year
in descending order

50 papers	2,540 citations	218592 26 h-index	223716 46 g-index
69 all docs	69 docs citations	69 times ranked	2100 citing authors

#	Article	IF	Citations
1	Clostridium difficile spore biology: sporulation, germination, and spore structural proteins. Trends in Microbiology, 2014, 22, 406-416.	3.5	346
2	Global Analysis of the Sporulation Pathway of Clostridium difficile. PLoS Genetics, 2013, 9, e1003660.	1.5	219
3	<i>Clostridium difficile</i> Toxins: Mediators of Inflammation. Journal of Innate Immunity, 2012, 4, 149-158.	1.8	164
4	SpoIVA and SipL Are Clostridium difficile Spore Morphogenetic Proteins. Journal of Bacteriology, 2013, 195, 1214-1225.	1.0	129
5	A small-molecule antivirulence agent for treating <i>Clostridium difficile</i> infection. Science Translational Medicine, 2015, 7, 306ra148.	5.8	117
6	Diverse mechanisms regulate sporulation sigma factor activity in the Firmicutes. Current Opinion in Microbiology, 2015, 24, 88-95.	2.3	116
7	Structural and Functional Analysis of the CspB Protease Required for Clostridium Spore Germination. PLoS Pathogens, 2013, 9, e1003165.	2.1	99
8	Mechanistic and structural insights into the proteolytic activation of Vibrio cholerae MARTX toxin. Nature Chemical Biology, 2009, 5, 469-478.	3.9	77
9	Epigenomic characterization of Clostridioides difficile finds a conserved DNA methyltransferase that mediates sporulation and pathogenesis. Nature Microbiology, 2020, 5, 166-180.	5.9	75
10	Simplified, Enhanced Protein Purification Using an Inducible, Autoprocessing Enzyme Tag. PLoS ONE, 2009, 4, e8119.	1.1	74
11	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
12	Identification of a Novel Lipoprotein Regulator of Clostridium difficile Spore Germination. PLoS Pathogens, 2015, 11, e1005239.	2.1	66
13	<scp>SpoIIID</scp>â€mediated regulation of Ïƒ<scp>^K</scp> function during <scp><i>C</i></scp><i>lostridium difficile</i> sporulation. Molecular Microbiology, 2015, 95, 189-208.	1.2	66
14	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
15	Regulation of Clostridium difficile spore germination by the CspA pseudoprotease domain. Biochimie, 2016, 122, 243-254.	1.3	60
16	Sporulation and Germination in Clostridial Pathogens. Microbiology Spectrum, 2019, 7, .	1.2	60
17	Rational Design of Inhibitors and Activity-Based Probes Targeting Clostridium difficile Virulence Factor TcdB. Chemistry and Biology, 2010, 17, 1201-1211.	6.2	58
18	Characterization of Clostridium difficile Spores Lacking Either SpoVAC or Dipicolinic Acid Synthetase. Journal of Bacteriology, 2016, 198, 1694-1707.	1.0	58

#	Article	IF	Citations
19	Regulation of Clostridium difficile Spore Formation by the SpoIIQ and SpoIIIA Proteins. PLoS Genetics, 2015, 11, e1005562.	1.5	55
20	A Gut Odyssey: The Impact of the Microbiota on Clostridium difficile Spore Formation and Germination. PLoS Pathogens, 2015, 11, e1005157.	2.1	53
21	<i>Clostridioides difficile</i> Spore Formation and Germination: New Insights and Opportunities for Intervention. Annual Review of Microbiology, 2020, 74, 545-566.	2.9	42
22	Allosteric regulation of protease activity by small molecules. Molecular BioSystems, 2010, 6, 1431.	2.9	41
23	Genome-wide detection of conservative site-specific recombination in bacteria. PLoS Genetics, 2018, 14, e1007332.	1.5	41
24	The Conserved Spore Coat Protein SpoVM Is Largely Dispensable in Clostridium difficile Spore Formation. MSphere, 2017, 2, .	1.3	40
25	A <i>Clostridium difficile</i> -Specific, Gel-Forming Protein Required for Optimal Spore Germination. MBio, 2017, 8, .	1.8	37
26	<i>Clostridium difficile</i> Lipoprotein GerS Is Required for Cortex Modification and Thus Spore Germination. MSphere, 2018, 3, .	1.3	33
27	Inducing and Quantifying Clostridium difficile Spore Formation. Methods in Molecular Biology, 2016, 1476, 129-142.	0.4	32
28	Effects of High-Pressure Treatment on Spores of Clostridium Species. Applied and Environmental Microbiology, 2016, 82, 5287-5297.	1.4	32
29	The CspC pseudoprotease regulates germination of Clostridioides difficile spores in response to multiple environmental signals. PLoS Genetics, 2019, 15, e1008224.	1.5	32
30	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
31	Revisiting the Role of Csp Family Proteins in Regulating Clostridium difficile Spore Germination. Journal of Bacteriology, 2017, 199, .	1.0	27
32	Differential requirements for conserved peptidoglycan remodeling enzymes during <i>Clostridioides difficile</i> spore formation. Molecular Microbiology, 2018, 110, 370-389.	1.2	24
33	SpoIVA-SipL Complex Formation Is Essential for <i>Clostridioides difficile</i> Spore Assembly. Journal of Bacteriology, 2019, 201, .	1.0	19
34	Autoproteolytic Activation of Bacterial Toxins. Toxins, 2010, 2, 963-977.	1.5	16
35	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
36	Expanding the repertoire of conservative site-specific recombination in Clostridioides difficile. Anaerobe, 2019, 60, 102073.	1.0	9

#	Article	IF	Citations
37	Role of SpoIVA ATPase Motifs during Clostridioides difficile Sporulation. Journal of Bacteriology, 2020, 202, .	1.0	9
38	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
39	A lipoprotein allosterically activates the CwlD amidase during Clostridioides difficile spore formation. PLoS Genetics, 2021, 17, e1009791.	1.5	8
40	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
41	Identification of a Novel Regulator of Clostridioides difficile Cortex Formation. MSphere, 2021, 6, e0021121.	1.3	6
42	Expanding the Clostridioides difficile Genetics Toolbox. Journal of Bacteriology, 2019, 201, .	1.0	5
43	Differential effects of â€˜resurrecting' Csp pseudoproteases during <i>Clostridioides difficile</i> spore germination. Biochemical Journal, 2020, 477, 1459-1478.	1.7	5
44	Clostridioides difficile Spores: Bile Acid Sensors and Trojan Horses of Transmission. Clinics in Colon and Rectal Surgery, 2020, 33, 058-066.	0.5	4
45	Sporulation and Germination in Clostridial Pathogens. , 0, , 903-926.		2
46	Simplified Protein Purification Using an Autoprocessing, Inducible Enzyme Tag. Methods in Molecular Biology, 2014, 1177, 59-70.	0.4	2
47	Friend or Foe? Turning a Host Defense Protein Into a Pathogen's Accomplice. Chemistry and Biology, 2008, 15, 879-880.	6.2	1
48	Editorial: Signals to sociality: how microbial communication fashions communities. FEMS Microbiology Reviews, 2016, 40, 795-797.	3.9	0
49	A security check that monitors cell morphogenesis. Trends in Microbiology, 2022, , .	3.5	0
50	Editorial overview: Gene regulation mechanisms governing Clostridioides difficile physiology and virulence. Current Opinion in Microbiology, 2022, 67, 102139.	2.3	0