Joseph A Sorg

List of Publications by Year
in descending order

51 papers	3,482 citations	172386 29 h-index	197736 49 g-index
57 all docs	57 docs citations	57 times ranked	2558 citing authors

#	Article	IF	Citations
1	Bile Salts and Glycine as Cogerminants for <i>Clostridium difficile</i> Spores. Journal of Bacteriology, 2008, 190, 2505-2512.	1.0	612
2	Clostridium difficile spore biology: sporulation, germination, and spore structural proteins. Trends in Microbiology, 2014, 22, 406-416.	3.5	346
3	Inhibiting the Initiation of<i>Clostridium difficile</i>Spore Germination using Analogs of Chenodeoxycholic Acid, a Bile Acid. Journal of Bacteriology, 2010, 192, 4983-4990.	1.0	290
4	Bile Acid Recognition by the Clostridium difficile Germinant Receptor, CspC, Is Important for Establishing Infection. PLoS Pathogens, 2013, 9, e1003356.	2.1	242
5	Chenodeoxycholate Is an Inhibitor of <i>Clostridium difficile</i> Spore Germination. Journal of Bacteriology, 2009, 191, 1115-1117.	1.0	178
6	Metabolism of Bile Salts in Mice Influences Spore Germination in Clostridium difficile. PLoS ONE, 2010, 5, e8740.	1.1	165
7	Laboratory Maintenance of <i>Clostridium difficile</i>. Current Protocols in Microbiology, 2009, 12, Unit9A.1.	6.5	129
8	Clostridioides difficile Biology: Sporulation, Germination, and Corresponding Therapies for C. difficile Infection. Frontiers in Cellular and Infection Microbiology, 2018, 8, 29.	1.8	102
9	Small molecule inhibitor of lipoteichoic acid synthesis is an antibiotic for Gram-positive bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3531-3536.	3.3	90
10	Spore Cortex Hydrolysis Precedes Dipicolinic Acid Release during Clostridium difficile Spore Germination. Journal of Bacteriology, 2015, 197, 2276-2283.	1.0	85
11	Genetic Manipulation of <i>Clostridium difficile</i>. Current Protocols in Microbiology, 2011, 20, Unit 9A.2.	6.5	84
12	Using CRISPR-Cas9-mediated genome editing to generate C. difficile mutants defective in selenoproteins synthesis. Scientific Reports, 2017, 7, 14672.	1.6	79
13	Identification of a Novel Lipoprotein Regulator of Clostridium difficile Spore Germination. PLoS Pathogens, 2015, 11, e1005239.	2.1	66
14	Muricholic Acids Inhibit Clostridium difficile Spore Germination and Growth. PLoS ONE, 2013, 8, e73653.	1.1	64
15	Germinants and Their Receptors in Clostridia. Journal of Bacteriology, 2016, 198, 2767-2775.	1.0	60
16	Both Fidaxomicin and Vancomycin Inhibit Outgrowth of Clostridium difficile Spores. Antimicrobial Agents and Chemotherapy, 2013, 57, 664-667.	1.4	59
17	Hierarchical recognition of amino acid co-germinants during Clostridioides difficile spore germination. Anaerobe, 2018, 49, 41-47.	1.0	53
18	Reexamining the Germination Phenotypes of Several Clostridium difficile Strains Suggests Another Role for the CspC Germinant Receptor. Journal of Bacteriology, 2016, 198, 777-786.	1.0	52

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19	Dipicolinic Acid Release by Germinating Clostridium difficile Spores Occurs through a Mechanosensing Mechanism. MSphere, 2016, 1, .	1.3	49
20	Site-Directed Mutations in the Lanthipeptide Mutacin 1140. Applied and Environmental Microbiology, 2013, 79, 4015-4023.	1.4	47
21	Bile acid-independent protection against Clostridioides difficile infection. PLoS Pathogens, 2021, 17, e1010015.	2.1	46
22	Secretion signal recognition by YscN, the Yersinia type III secretion ATPase. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16490-16495.	3.3	45
23	The requirement for co-germinants during Clostridium difficile spore germination is influenced by mutations in yabG and cspA. PLoS Pathogens, 2019, 15, e1007681.	2.1	41
24	Substrate recognition of type III secretion machines -testing the RNA signal hypothesis. Cellular Microbiology, 2005, 7, 1217-1225.	1.1	39
25	Effect of <i>tcdR</i> Mutation on Sporulation in the Epidemic Clostridium difficile Strain R20291. MSphere, 2017, 2, .	1.3	38
26	A Clostridium difficile alanine racemase affects spore germination and accommodates serine as a substrate. Journal of Biological Chemistry, 2017, 292, 10735-10742.	1.6	38
27	Role of the global regulator Rex in control of NAD⁺â€‐regeneration in <i>Clostridioides (Clostridium) difficile</i>. Molecular Microbiology, 2019, 111, 1671-1688.	1.2	37
28	Binding of SycH Chaperone to YscM1 and YscM2 Activates Effector yop Expression in Yersinia enterocolitica. Journal of Bacteriology, 2004, 186, 829-841.	1.0	36
29	Role of Bile in Infectious Disease: the Gall of 7Î±-Dehydroxylating Gut Bacteria. Cell Chemical Biology, 2019, 26, 1-3.	2.5	36
30	Impassable YscP Substrates and Their Impact on the <i>Yersinia enterocolitica</i> Type III Secretion Pathway. Journal of Bacteriology, 2008, 190, 6204-6216.	1.0	32
31	Rejection of Impassable Substrates by Yersinia Type III Secretion Machines. Journal of Bacteriology, 2005, 187, 7090-7102.	1.0	29
32	CRISPR Genome Editing Systems in the Genus <i>Clostridium</i> : a Timely Advancement. Journal of Bacteriology, 2019, 201, .	1.0	29
33	Effects of Surotomycin on Clostridium difficile Viability and Toxin ProductionIn Vitro. Antimicrobial Agents and Chemotherapy, 2015, 59, 4199-4205.	1.4	25
34	Reuterin disrupts <i>Clostridioides difficile</i> metabolism and pathogenicity through reactive oxygen species generation. Gut Microbes, 2020, 12, 1795388.	4.3	23
35	<i>Yersinia enterocolitica</i> type III secretion of YopR requires a structure in its mRNA. Molecular Microbiology, 2008, 70, 1210-1222.	1.2	19
36	Gut associated metabolites and their roles in <i>Clostridioides difficile</i> pathogenesis. Gut Microbes, 2022, 14, .	4.3	14

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37	Terbium chloride influences Clostridium difficile spore germination. Anaerobe, 2019, 58, 80-88.	1.0	13
38	The Secretion Signal of YopN, a Regulatory Protein of the Yersinia enterocolitica Type III Secretion Pathway. Journal of Bacteriology, 2004, 186, 6320-6324.	1.0	12
39	Clostridioides difficile spore germination: initiation to DPA release. Current Opinion in Microbiology, 2022, 65, 101-107.	2.3	12
40	Microbial Bile Acid Metabolic Clusters: The Bouncers at the Bar. Cell Host and Microbe, 2014, 16, 551-552.	5.1	10
41	The small acid-soluble proteins of Clostridioides difficile are important for UV resistance and serve as a check point for sporulation. PLoS Pathogens, 2021, 17, e1009516.	2.1	10
42	Clostridioides difficile SpoVAD and SpoVAE Interact and Are Required for Dipicolinic Acid Uptake into Spores. Journal of Bacteriology, 2021, 203, e0039421.	1.0	9
43	Conservation of the â€œOutside-inâ€•Germination Pathway in Paraclostridium bifermentans. Frontiers in Microbiology, 2018, 9, 2487.	1.5	8
44	Detecting Cortex Fragments During Bacterial Spore Germination. Journal of Visualized Experiments, 2016, , .	0.2	7
45	Factors and Conditions That Impact Electroporation of Clostridioides difficile Strains. MSphere, 2020, 5, .	1.3	7
46	The Selenophosphate Synthetase Gene, <i>selD</i> , Is Important for Clostridioides difficile Physiology. Journal of Bacteriology, 2021, 203, e0000821.	1.0	5
47	Imaging Clostridioides difficile Spore Germination and Germination Proteins. Journal of Bacteriology, 2022, 204, .	1.0	5
48	Regulatory transcription factors of <i>Clostridioides difficile</i> pathogenesis with a focus on toxin regulation. Critical Reviews in Microbiology, 2023, 49, 334-349.	2.7	4
49	Protease-stable DARPins as promising oral therapeutics. Protein Engineering, Design and Selection, 2021, 34, .	1.0	1
50	Editorial: Alternative Therapeutic Approaches For Multidrug Resistant Clostridium difficile. Frontiers in Microbiology, 2019, 10, 1216.	1.5	0
51	Virulence Studies of Clostridium difficile. Bio-protocol, 2013, 3, .	0.2	0