Bruce A Mcclane

List of Publications by Year
in descending order

169 papers	9,601 citations	23567 58 h-index	49909 87 g-index
173 all docs	173 docs citations	173 times ranked	3575 citing authors

#	Article	IF	Citations
1	Expansion of the Clostridium perfringens toxin-based typing scheme. Anaerobe, 2018, 53, 5-10.	2.1	365
2	Towards an understanding of the role of <i>Clostridium perfringens</i> toxins in human and animal disease. Future Microbiology, 2014, 9, 361-377.	2.0	328
3	Skewed genomic variability in strains of the toxigenic bacterial pathogen, Clostridium perfringens. Genome Research, 2006, 16, 1031-1040.	5.5	281
4	Claudin-4: A new target for pancreatic cancer treatment using Clostridium perfringens enterotoxin. Gastroenterology, 2001, 121, 678-684.	1.3	276
5	Inactivation of the gene (cpe) encoding Clostridium perfringens enterotoxin eliminates the ability of two cpe-positive C. perfringens type A human gastrointestinal disease isolates to affect rabbit ileal loops. Molecular Microbiology, 1999, 33, 946-958.	2.5	211
6	Toxin Plasmids of Clostridium perfringens. Microbiology and Molecular Biology Reviews, 2013, 77, 208-233.	6.6	204
7	Comparative Experiments To Examine the Effects of Heating on Vegetative Cells and Spores of Clostridium perfringens Isolates Carrying Plasmid Genes versus Chromosomal Enterotoxin Genes. Applied and Environmental Microbiology, 2000, 66, 3234-3240.	3.1	175
8	Evidence That the Enterotoxin Gene Can Be Episomal in <i>Clostridium perfringens</i> Isolates Associated with Non-Food-Borne Human Gastrointestinal Diseases. Journal of Clinical Microbiology, 1998, 36, 30-36.	3.9	159
9	Beta toxin is essential for the intestinal virulence of <i>Clostridium perfringens</i> type C disease isolate CN3685 in a rabbit ileal loop model. Molecular Microbiology, 2008, 67, 15-30.	2.5	157
10	Mechanisms of Action and Cell Death Associated with Clostridium perfringens Toxins. Toxins, 2018, 10, 212.	3.4	150
11	Association of beta2 toxin production withClostridium perfringenstype A human gastrointestinal disease isolates carrying a plasmid enterotoxin gene. Molecular Microbiology, 2005, 56, 747-762.	2.5	149
12	Detection of Enterotoxigenic Clostridium perfringens Type A Isolates in American Retail Foods. Applied and Environmental Microbiology, 2004, 70, 2685-2691.	3.1	145
13	Clostridium perfringens Enterotoxin: Action, Genetics, and Translational Applications. Toxins, 2016, 8, 73.	3.4	132
14	Construction of an Alpha Toxin Gene Knockout Mutant of Clostridium perfringens Type A by Use of a Mobile Group II Intron. Applied and Environmental Microbiology, 2005, 71, 7542-7547.	3.1	129
15	Genotyping of Enterotoxigenic Clostridium perfringens Fecal Isolates Associated with Antibiotic-Associated Diarrhea and Food Poisoning in North America. Journal of Clinical Microbiology, 2001, 39, 883-888.	3.9	122
16	Genotyping and Phenotyping of Beta2-Toxigenic Clostridium perfringens Fecal Isolates Associated with Gastrointestinal Diseases in Piglets. Journal of Clinical Microbiology, 2003, 41, 3584-3591.	3.9	116
17	Further Comparison of Temperature Effects on Growth and Survival of Clostridium perfringens Type A Isolates Carrying a Chromosomal or Plasmid-Borne Enterotoxin Gene. Applied and Environmental Microbiology, 2006, 72, 4561-4568.	3.1	107
18	The Agr-Like Quorum-Sensing System Regulates Sporulation and Production of Enterotoxin and Beta2 Toxin by Clostridium perfringens Type A Non-Food-Borne Human Gastrointestinal Disease Strain F5603. Infection and Immunity, 2011, 79, 2451-2459.	2.2	107

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19	Enterotoxin Plasmid from Clostridium perfringens Is Conjugative. Infection and Immunity, 2001, 69, 3483-3487.	2.2	102
20	The complex interactions between Clostridium perfringens enterotoxin and epithelial tight junctions. Toxicon, 2001, 39, 1781-1791.	1.6	101
21	CaCo-2 Cells Treated with Clostridium perfringensEnterotoxin Form Multiple Large Complex Species, One of Which Contains the Tight Junction Protein Occludin. Journal of Biological Chemistry, 2000, 275, 18407-18417.	3.4	98
22	Claudin-4 Overexpression in Epithelial Ovarian Cancer Is Associated with Hypomethylation and Is a Potential Target for Modulation of Tight Junction Barrier Function Using a C-Terminal Fragment of Clostridium perfringens Enterotoxin. Neoplasia, 2007, 9, 304-314.	5.3	98
23	The importance of calcium influx, calpain and calmodulin for the activation of CaCo-2 cell death pathways by Clostridium perfringens enterotoxin. Cellular Microbiology, 2004, 7, 129-146.	2.1	96
24	Fatal Necrotizing Colitis Following a Foodborne Outbreak of Enterotoxigenic Clostridium perfringens Type A Infection. Clinical Infectious Diseases, 2005, 40, e78-e83.	5.8	94
25	The effects ofClostridium perfringens enterotoxin on morphology, viability, and macromolecular synthesis in vero cells. Journal of Cellular Physiology, 1979, 99, 191-199.	4.1	92
26	Structure of the Claudin-binding Domain of Clostridium perfringens Enterotoxin. Journal of Biological Chemistry, 2008, 283, 268-274.	3.4	92
27	Death Pathways Activated in CaCo-2 Cells by Clostridium perfringens Enterotoxin. Infection and Immunity, 2003, 71, 4260-4270.	2.2	91
28	Clostridium perfringens Type E Animal Enteritis Isolates with Highly Conserved, Silent Enterotoxin Gene Sequences. Infection and Immunity, 1998, 66, 4531-4536.	2.2	90
29	Phenotypic Characterization of EnterotoxigenicClostridium perfringensIsolates from Non-foodborne Human Gastrointestinal Diseases. Anaerobe, 1998, 4, 69-79.	2.1	89
30	Clostridium perfringens toxin genotypes in the feces of healthy North Americans. Anaerobe, 2008, 14, 102-108.	2.1	86
31	Identification of a Prepore Large-Complex Stage in the Mechanism of Action of Clostridium perfringens Enterotoxin. Infection and Immunity, 2007, 75, 2381-2390.	2.2	85
32	Dissecting the Contributions of Clostridium perfringens Type C Toxins to Lethality in the Mouse Intravenous Injection Model. Infection and Immunity, 2006, 74, 5200-5210.	2.2	83
33	Pathogenicity and virulence of <i>Clostridium perfringens</i>. Virulence, 2021, 12, 723-753.	4.4	82
34	Complete Sequencing and Diversity Analysis of the Enterotoxin-Encoding Plasmids in Clostridium perfringens Type A Non-Food-Borne Human Gastrointestinal Disease Isolates. Journal of Bacteriology, 2006, 188, 1585-1598.	2.2	80
35	Use of an EZ-Tn5-Based Random Mutagenesis System to Identify a Novel Toxin Regulatory Locus in Clostridium perfringens Strain 13. PLoS ONE, 2009, 4, e6232.	2.5	80
36	Clostridium perfringens enterotoxin. Microbial Pathogenesis, 1988, 4, 317-323.	2.9	78

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37	The Enterotoxic Clostridia. , 2006, , 698-752.		78
38	Compositional and stoichiometric analysis of Clostridium perfringens enterotoxin complexes in Caco-2 cells and claudin 4 fibroblast transfectants. Cellular Microbiology, 2007, 9, 2734-2755.	2.1	77
39	Structure of the Food-Poisoning Clostridium perfringens Enterotoxin Reveals Similarity to the Aerolysin-Like Pore-Forming Toxins. Journal of Molecular Biology, 2011, 413, 138-149.	4.2	76
40	Clostridium perfringens enterotoxin acts by producing small molecule permeability alterations in plasma membranes. Toxicology, 1994, 87, 43-67.	4.2	75
41	An overview of Clostridium perfringens enterotoxin. Toxicon, 1996, 34, 1335-1343.	1.6	75
42	Necrotic Enteritis-Derived Clostridium perfringens Strain with Three Closely Related Independently Conjugative Toxin and Antibiotic Resistance Plasmids. MBio, 2011, 2, .	4.1	75
43	[15] Production, purification, and assay of Clostridium perfringens enterotoxin. Methods in Enzymology, 1988, 165, 94-103.	1.0	74
44	Animal models to study the pathogenesis of human and animal Clostridium perfringens infections. Veterinary Microbiology, 2015, 179, 23-33.	1.9	73
45	Genetic Characterization of Type A Enterotoxigenic Clostridium perfringens Strains. PLoS ONE, 2009, 4, e5598.	2.5	73
46	Comparative pathogenesis of enteric clostridial infections in humans and animals. Anaerobe, 2018, 53, 11-20.	2.1	71
47	Effects of <i>Clostridium perfringens</i> Beta-Toxin on the Rabbit Small Intestine and Colon. Infection and Immunity, 2008, 76, 4396-4404.	2.2	69
48	A Novel Small Acid Soluble Protein Variant Is Important for Spore Resistance of Most Clostridium perfringens Food Poisoning Isolates. PLoS Pathogens, 2008, 4, e1000056.	4.7	69
49	Sialidases Affect the Host Cell Adherence and Epsilon Toxin-Induced Cytotoxicity of Clostridium perfringens Type D Strain CN3718. PLoS Pathogens, 2011, 7, e1002429.	4.7	69
50	New insights into the cytotoxic mechanisms of Clostridium perfringens enterotoxin. Anaerobe, 2004, 10, 107-114.	2.1	68
51	Binding versus biological activity of Clostridium perfringens enterotoxin in Vero cells. Biochemical and Biophysical Research Communications, 1979, 87, 497-504.	2.1	67
52	Clostridium perfringens Enterotoxin as a Novel-Targeted Therapeutic for Brain Metastasis. Cancer Research, 2007, 67, 7977-7982.	0.9	67
53	Virulence Plasmid Diversity in Clostridium perfringens Type D Isolates. Infection and Immunity, 2007, 75, 2391-2398.	2.2	66
54	Epsilon-Toxin Plasmids of <i>Clostridium perfringens</i> Type D Are Conjugative. Journal of Bacteriology, 2007, 189, 7531-7538.	2.2	66

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55	Characterization of Toxin Plasmids in <i>Clostridium perfringens</i> Type C Isolates. Infection and Immunity, 2010, 78, 4860-4869.	2.2	66
56	Multiplex PCR Genotyping Assay That Distinguishes between Isolates of Clostridium perfringens Type A Carrying a Chromosomal Enterotoxin Gene (cpe) Locus, a Plasmid cpe Locus with an IS 1470 -Like Sequence, or a Plasmid cpe Locus with an IS 1151 Sequence. Journal of Clinical Microbiology, 2004, 42, 1552-1558.	3.9	65
57	Characterization of membrane permeability alterations induced in vero cells by Clostridium perfringens enterotoxin. Biochimica Et Biophysica Acta - Biomembranes, 1980, 600, 974-985.	2.6	64
58	<i>Clostridium perfringens</i> Sporulation and Sporulation-Associated Toxin Production. Microbiology Spectrum, 2016, 4, .	3.0	64
59	Organization of the Plasmid cpe Locus in Clostridium perfringens Type A Isolates. Infection and Immunity, 2002, 70, 4261-4272.	2.2	63
60	Identification of a Claudin-4 Residue Important for Mediating the Host Cell Binding and Action of <i>Clostridium perfringens</i> Enterotoxin. Infection and Immunity, 2010, 78, 505-517.	2.2	63
61	Comparative Biochemical and Immunocytochemical Studies Reveal Differences in the Effects of Clostridium perfringens Enterotoxin on Polarized CaCo-2 CellsVersus Vero Cells. Journal of Biological Chemistry, 2001, 276, 33402-33412.	3.4	62
62	Epsilon-Toxin Is Required for Most Clostridium perfringens Type D Vegetative Culture Supernatants To Cause Lethality in the Mouse Intravenous Injection Model. Infection and Immunity, 2005, 73, 7413-7421.	2.2	62
63	Comparative Effects of Osmotic, Sodium Nitrite-Induced, and pH-Induced Stress on Growth and Survival of Clostridium perfringens Type A Isolates Carrying Chromosomal or Plasmid-Borne Enterotoxin Genes. Applied and Environmental Microbiology, 2006, 72, 7620-7625.	3.1	62
64	Evaluating the Involvement of Alternative Sigma Factors SigF and SigG in Clostridium perfringens Sporulation and Enterotoxin Synthesis. Infection and Immunity, 2010, 78, 4286-4293.	2.2	62
65	Identification of a <i>Clostridium perfringens</i> Enterotoxin Region Required for Large Complex Formation and Cytotoxicity by Random Mutagenesis. Infection and Immunity, 1999, 67, 5634-5641.	2.2	62
66	Characterization of Virulence Plasmid Diversity among <i>Clostridium perfringens</i> Type B Isolates. Infection and Immunity, 2010, 78, 495-504.	2.2	60
67	Use of<i>Clostridium perfringens</i>Enterotoxin and the Enterotoxin Receptor-Binding Domain (C-CPE) for Cancer Treatment: Opportunities and Challenges. Journal of Toxicology, 2012, 2012, 1-9.	3.0	60
68	Osmotic stabilizers differentially inhibit permeability alterations induced in vero cells by Clostridium Perfringens enterotoxin. Biochimica Et Biophysica Acta - Biomembranes, 1984, 777, 99-106.	2.6	59
69	Contact with enterocyte-like Caco-2 cells induces rapid upregulation of toxin production byClostridium perfringenstype C isolates. Cellular Microbiology, 2009, 11, 1306-1328.	2.1	59
70	Prevalence of Enterotoxigenic Clostridium perfringens Isolates in Pittsburgh (Pennsylvania) Area Soils and Home Kitchens. Applied and Environmental Microbiology, 2007, 73, 7218-7224.	3.1	55
71	Evidence that the Agrâ€like quorum sensing system regulates the toxin production, cytotoxicity and pathogenicity of <i>Clostridium perfringens</i> type C isolate CN3685. Molecular Microbiology, 2012, 83, 179-194.	2.5	55
72	CodY Is a Global Regulator of Virulence-Associated Properties for Clostridium perfringens Type D Strain CN3718. MBio, 2013, 4, e00770-13.	4.1	55

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73	Development and Application of a Mouse Intestinal Loop Model To Study the In Vivo Action of Clostridium perfringens Enterotoxin. Infection and Immunity, 2011, 79, 3020-3027.	2.2	54
74	Both Epsilon-Toxin and Beta-Toxin Are Important for the Lethal Properties of Clostridium perfringens Type B Isolates in the Mouse Intravenous Injection Model. Infection and Immunity, 2007, 75, 1443-1452.	2.2	52
75	Identification of Novel Clostridium perfringens Type E Strains That Carry an Iota Toxin Plasmid with a Functional Enterotoxin Gene. PLoS ONE, 2011, 6, e20376.	2.5	51
76	Comparison of Virulence Plasmids among Clostridium perfringens Type E Isolates. Infection and Immunity, 2007, 75, 1811-1819.	2.2	50
77	Sequencing and Diversity Analyses Reveal Extensive Similarities between Some Epsilon-Toxin-Encoding Plasmids and the pCPF5603<i>Clostridium perfringens</i>Enterotoxin Plasmid. Journal of Bacteriology, 2008, 190, 7178-7188.	2.2	50
78	Development and Application of New Mouse Models To Study the Pathogenesis of <i>Clostridium perfringens</i> Type C Enterotoxemias. Infection and Immunity, 2009, 77, 5291-5299.	2.2	50
79	Clostridium perfringens type Aâ€"E toxin plasmids. Research in Microbiology, 2015, 166, 264-279.	2.1	50
80	Evidence for a Prepore Stage in the Action of Clostridium perfringens Epsilon Toxin. PLoS ONE, 2011, 6, e22053.	2.5	49
81	The Sialidases of Clostridium perfringens Type D Strain CN3718 Differ in Their Properties and Sensitivities to Inhibitors. Applied and Environmental Microbiology, 2014, 80, 1701-1709.	3.1	49
82	Protective effects of osmotic stabilizers on morphological and permeability alterations induced in vero cells by Clostridium perfringens enterotoxin. Biochimica Et Biophysica Acta - Biomembranes, 1981, 641, 401-409.	2.6	48
83	Noncytotoxic <i>Clostridium perfringens</i> Enterotoxin (CPE) Variants Localize CPE Intestinal Binding and Demonstrate a Relationship between CPE-Induced Cytotoxicity and Enterotoxicity. Infection and Immunity, 2008, 76, 3793-3800.	2.2	48
84	Enterotoxigenic <i>Clostridium perfringens</i>: Detection and Identification. Microbes and Environments, 2012, 27, 343-349.	1.6	48
85	Role of the Agr-Like Quorum-Sensing System in Regulating Toxin Production by Clostridium perfringens Type B Strains CN1793 and CN1795. Infection and Immunity, 2012, 80, 3008-3017.	2.2	48
86	Fine Mapping of the N-Terminal Cytotoxicity Region of Clostridium perfringens Enterotoxin by Site-Directed Mutagenesis. Infection and Immunity, 2004, 72, 6914-6923.	2.2	47
87	Human Claudin-8 and -14 Are Receptors Capable of Conveying the Cytotoxic Effects of Clostridium perfringens Enterotoxin. MBio, 2013, 4, .	4.1	47
88	Identification of a 50,000 Mr protein from rabbit brush border membranes that binds Clostridium perfringens enterotoxin. Biochemical and Biophysical Research Communications, 1983, 112, 1099-1105.	2.1	44
89	C Terminus of <i>Clostridium perfringens</i> Enterotoxin Downregulates CLDN4 and Sensitizes Ovarian Cancer Cells to Taxol and Carboplatin. Clinical Cancer Research, 2011, 17, 1065-1074.	7.0	44
90	CLOSTRIDIUM PERFRINGENS ENTEROTOXIN: STRUCTURE, ACTION AND DETECTION. Journal of Food Safety, 1991, 12, 237-252.	2.3	43

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91	Genotypic and Phenotypic Characterization of Clostridium perfringens Isolates from Darmbrand Cases in Post-World War II Germany. Infection and Immunity, 2012, 80, 4354-4363.	2.2	42
92	Clostridium perfringens Sialidases: Potential Contributors to Intestinal Pathogenesis and Therapeutic Targets. Toxins, 2016, 8, 341.	3.4	42
93	Epsilon-Toxin Production by Clostridium perfringens Type D Strain CN3718 Is Dependent upon the<i>agr</i>Operon but Not the VirS/VirR Two-Component Regulatory System. MBio, 2011, 2, .	4.1	41
94	Clostridium perfringens Epsilon Toxin Increases the Small Intestinal Permeability in Mice and Rats. PLoS ONE, 2009, 4, e7065.	2.5	41
95	Development of a Duplex PCR Genotyping Assay for Distinguishing Clostridium perfringens Type A Isolates Carrying Chromosomal Enterotoxin (cpe) Genes from Those Carrying Plasmid-Borne Enterotoxin (cpe) Genes. Journal of Clinical Microbiology, 2003, 41, 1494-1498.	3.9	40
96	The interaction of Clostridium perfringens enterotoxin with receptor claudins. Anaerobe, 2016, 41, 18-26.	2.1	40
97	Detection of Enterotoxigenic Clostridium perfringens in Meat Samples by Using Molecular Methods. Applied and Environmental Microbiology, 2011, 77, 7526-7532.	3.1	39
98	Evidence that alterations in small molecule permeability are involved in theClostridium perfringens type a enterotoxin-Induced inhibition of macromolecular synthesis in vero cells. Journal of Cellular Physiology, 1989, 140, 498-504.	4.1	38
99	Contributions of NanI Sialidase to Caco-2 Cell Adherence by Clostridium perfringens Type A and C Strains Causing Human Intestinal Disease. Infection and Immunity, 2014, 82, 4620-4630.	2.2	38
100	Further Characterization of Clostridium perfringens Small Acid Soluble Protein-4 (Ssp4) Properties and Expression. PLoS ONE, 2009, 4, e6249.	2.5	36
101	Comparison of receptors for Clostridium perfringens type A and cholera enterotoxins in isolated rabbit intestinal brush border membranes. Microbial Pathogenesis, 1986, 1, 89-100.	2.9	35
102	Development and Application of an Oral Challenge Mouse Model for Studying Clostridium perfringens Type D Infection. Infection and Immunity, 2007, 75, 4282-4288.	2.2	35
103	The VirS/VirR Two-Component System Regulates the Anaerobic Cytotoxicity, Intestinal Pathogenicity, and Enterotoxemic Lethality of Clostridium perfringens Type C Isolate CN3685. MBio, 2011, 2, e00338-10.	4.1	35
104	Enterotoxic Clostridia: <i>Clostridium perfringens</i> Enteric Diseases. Microbiology Spectrum, 2018, 6, .	3.0	35
105	Host cell-induced signaling causes<i>Clostridium perfringens</i>to upregulate production of toxins important for intestinal infections. Gut Microbes, 2014, 5, 96-107.	9.8	33
106	Synergistic Effects of Clostridium perfringens Enterotoxin and Beta Toxin in Rabbit Small Intestinal Loops. Infection and Immunity, 2014, 82, 2958-2970.	2.2	33
107	Clostridium perfringens Type A Enterotoxin Damages the Rabbit Colon. Infection and Immunity, 2014, 82, 2211-2218.	2.2	32
108	Cysteine-Scanning Mutagenesis Supports the Importance of Clostridium perfringens Enterotoxin Amino Acids 80 to 106 for Membrane Insertion and Pore Formation. Infection and Immunity, 2012, 80, 4078-4088.	2.2	31

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109	Characterization of Membrane-Associated <i>Clostridium perfringens</i> Enterotoxin following Pronase Treatment. Infection and Immunity, 1998, 66, 5897-5905.	2.2	31
110	Organization of the cpe Locus in CPE-Positive Clostridium perfringens Type C and D Isolates. PLoS ONE, 2010, 5, e10932.	2.5	29
111	Virulence Plasmids of Spore-Forming Bacteria. Microbiology Spectrum, 2014, 2, .	3.0	28
112	Structure-Function Analysis of Peptide Signaling in the Clostridium perfringens Agr-Like Quorum Sensing System. Journal of Bacteriology, 2015, 197, 1807-1818.	2.2	28
113	Clostridium perfringens enterotoxin and intestinal tight junctions. Trends in Microbiology, 2000, 8, 145-146.	7.7	27
114	Phenotypic and genotypic characterization of tetracycline and minocycline resistance in Clostridium perfringens. Archives of Microbiology, 2010, 192, 803-810.	2.2	24
115	Proteolytic Processing and Activation of Clostridium perfringens Epsilon Toxin by Caprine Small Intestinal Contents. MBio, 2014, 5, e01994-14.	4.1	24
116	Development and preliminary evaluation of a slide latex agglutination assay for detection of Clostridium perfringens type A enterotoxin. Journal of Immunological Methods, 1987, 100, 131-136.	1.4	23
117	Identification of a lambda toxin-negative Clostridium perfringens strain that processes and activates epsilon prototoxin intracellularly. Anaerobe, 2012, 18, 546-552.	2.1	23
118	Characterization of Clostridium perfringens TpeL Toxin Gene Carriage, Production, Cytotoxic Contributions, and Trypsin Sensitivity. Infection and Immunity, 2015, 83, 2369-2381.	2.2	23
119	NanI Sialidase, CcpA, and CodY Work Together To Regulate Epsilon Toxin Production by Clostridium perfringens Type D Strain CN3718. Journal of Bacteriology, 2015, 197, 3339-3353.	2.2	23
120	Native or Proteolytically Activated NanI Sialidase Enhances the Binding and Cytotoxic Activity of Clostridium perfringens Enterotoxin and Beta Toxin. Infection and Immunity, 2018, 86, .	2.2	23
121	Disruption of a toxin gene by introduction of a foreign gene into the chromosome of Clostridium perfringens using targetron-induced mutagenesis. Plasmid, 2007, 58, 182-189.	1.4	22
122	New insights into Clostridium perfringens epsilon toxin activation and action on the brain during enterotoxemia. Anaerobe, 2016, 41, 27-31.	2.1	21
123	Clostridium perfringens. , 0, , 465-489.		21
124	CodY Promotes Sporulation and Enterotoxin Production by Clostridium perfringens Type A Strain SM101. Infection and Immunity, 2017, 85, .	2.2	20
125	NanI Sialidase Can Support the Growth and Survival of Clostridium perfringens Strain F4969 in the Presence of Sialyated Host Macromolecules (Mucin) or Caco-2 Cells. Infection and Immunity, 2018, 86, .	2.2	20
126	Ulcerative Enteritis-Like Disease Associated with Clostridium perfringens Type A in Bobwhite Quail (Colinus virginianus). Avian Diseases, 2008, 52, 635-640.	1.0	18

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127	NanI Sialidase Is an Important Contributor to Clostridium perfringens Type F Strain F4969 Intestinal Colonization in Mice. Infection and Immunity, 2018, 86, .	2.2	18
128	RIP1, RIP3, and MLKL Contribute to Cell Death Caused by Clostridium perfringens Enterotoxin. MBio, 2019, 10, .	4.1	18
129	Structure of a C. perfringens Enterotoxin Mutant in Complex with a Modified Claudin-2 Extracellular Loop 2. Journal of Molecular Biology, 2014, 426, 3134-3147.	4.2	17
130	Evidence that Membrane Rafts Are Not Required for the Action of <i>Clostridium perfringens</i> Enterotoxin. Infection and Immunity, 2008, 76, 5677-5685.	2.2	16
131	Ulcerative Enterocolitis in Two Goats Associated with Enterotoxin- and beta2 Toxinâ€“Positive <i>Clostridium Perfringens</i> Type D. Journal of Veterinary Diagnostic Investigation, 2008, 20, 668-672.	1.1	16
132	Identification of an Important Orphan Histidine Kinase for the Initiation of Sporulation and Enterotoxin Production by <i>Clostridium perfringens</i> Type F Strain SM101. MBio, 2019, 10, .	4.1	15
133	Interferon pretreatment enhances the sensitivity of Vero cells to Clostridium perfringens type A enterotoxin. Microbial Pathogenesis, 1987, 3, 195-206.	2.9	13
134	NanR Regulates <i>nanI</i> Sialidase Expression by Clostridium perfringens F4969, a Human Enteropathogenic Strain. Infection and Immunity, 2017, 85, .	2.2	13
135	NanR Regulates Sporulation and Enterotoxin Production by Clostridium perfringens Type F Strain F4969. Infection and Immunity, 2018, 86, .	2.2	13
136	Bystander Host Cell Killing Effects of Clostridium perfringens Enterotoxin. MBio, 2016, 7, .	4.1	12
137	Regulation of Enterotoxin Production in Clostridium perfringens. , 1997, , 471-487.		12
138	Evidence that Clostridium perfringens Enterotoxin-Induced Intestinal Damage and Enterotoxemic Death in Mice Can Occur Independently of Intestinal Caspase-3 Activation. Infection and Immunity, 2018, 86, .	2.2	11
139	Enterotoxic Clostridia: Clostridium perfringens Type A and Clostridium difficile. , 0, , 703-714.		11
140	A Synthetic Peptide Corresponding to the Extracellular Loop 2 Region of Claudin-4 Protects against Clostridium perfringens Enterotoxin <i>In Vitro</i> and <i>In Vivo</i>. Infection and Immunity, 2014, 82, 4778-4788.	2.2	10
141	The Potential Therapeutic Agent Mepacrine Protects Caco-2 Cells against Clostridium perfringens Enterotoxin Action. MSphere, 2017, 2, .	2.9	10
142	<i>Clostridium perfringens</i>type C isolates rapidly upregulate their toxin production upon contact with host cells. Virulence, 2010, 1, 97-100.	4.4	9
143	Animal models to study the pathogenesis of enterotoxigenic Clostridium perfringens infections. Microbes and Infection, 2012, 14, 1009-1016.	1.9	8
144	Antibody against Microbial Neuraminidases Recognizes Human Sialidase 3 (NEU3): the Neuraminidase/Sialidase Superfamily Revisited. MBio, 2017, 8, .	4.1	8

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145	Effects of Claudin-1 on the Action of Clostridium perfringens Enterotoxin in Caco-2 Cells. Toxins, 2019, 11, 582.	3.4	8
146	The Agr-Like Quorum-Sensing System Is Important for <i>Clostridium perfringens</i> Type A Strain ATCC 3624 To Cause Gas Gangrene in a Mouse Model. MSphere, 2020, 5, .	2.9	8
147	Evidence That VirS Is a Receptor for the Signaling Peptide of the Clostridium perfringens Agr-like Quorum Sensing System. MBio, 2020, 11, .	4.1	8
148	Interactions Between Clostridium perfringens Enterotoxin and Claudins. Methods in Molecular Biology, 2011, 762, 63-75.	0.9	8
149	Identification and Characterization of Clostridium perfringens Beta Toxin Variants with Differing Trypsin Sensitivity and <i>In Vitro</i> Cytotoxicity Activity. Infection and Immunity, 2015, 83, 1477-1486.	2.2	7
150	The effects of Clostridiumperfringens enterotoxin on intracellular levels or transport of uridine, thymidine and leucine do not fully explain enterotoxin-induced inhibition of macromolecular synthesis in vero cells. Biochemical and Biophysical Research Communications, 1988, 153, 699-707.	2.1	4
151	Clostridium perfringens enterotoxin. , 2006, , 763-778.		4
152	Clostridium perfringens Type E Animal Enteritis Isolates with Highly Conserved, Silent Enterotoxin Gene Sequences. Infection and Immunity, 1998, 66, 4531-4536.	2.2	4
153	NanI Sialidase Enhances the Action of Clostridium perfringens Enterotoxin in the Presence of Mucus. MSphere, 2021, 6, e0084821.	2.9	4
154	Characterization of calcium involvement in the Clostridium perfringens type A enterotoxin-induced release of 3H-nucleotides from Vero cells. Microbial Pathogenesis, 1989, 6, 17-28.	2.9	3
155	Clostridium perfringens Sporulation and Sporulation-Associated Toxin Production. , 2016, , 331-347.		3
156	Potential Therapeutic Effects of Mepacrine against Clostridium perfringens Enterotoxin in a Mouse Model of Enterotoxemia. Infection and Immunity, 2019, 87, .	2.2	3
157	NanH Is Produced by Sporulating Cultures of Clostridium perfringens Type F Food Poisoning Strains and Enhances the Cytotoxicity of C. perfringens Enterotoxin. MSphere, 2021, 6, .	2.9	3
158	Inactivation of the gene (cpe) encoding Clostridium perfringens enterotoxin eliminates the ability of two cpe-positive C. perfringens type A human gastrointestinal disease isolates to affect rabbit ileal loops. Molecular Microbiology, 2000, 35, 249-249.	2.5	2
159	Crystallization and preliminary crystallographic analysis of theClostridium perfringensenterotoxin. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 794-797.	0.7	2
160	Evidence that the Agrâ€like quorum sensing system regulates the toxin production, cytotoxicity and pathogenicity of <i>Clostridium perfringens</i> type C isolate CN3685. Molecular Microbiology, 2012, 83, 1287-1287.	2.5	2
161	Clostridium perfringens enterotoxin. , 2015, , 815-838.		2
162	Enterotoxic Clostridia:Clostridium perfringensEnteric Diseases. , 2019, , 977-990.		2

#	Article	IF	Citations
163	Using More Than 1 (Path)Way to Kill a Host Cell: Lessons From Clostridium perfringens Enterotoxin. Microbiology Insights, 2020, 13, 117863612093151.	2.0	2
164	NanI Sialidase Contributes to the Growth and Adherence of Clostridium perfringens Type F Strain F4969 in the Presence of Adherent Mucus. Infection and Immunity, 2021, 89, e0025621.	2.2	2
165	Virulence Plasmids of Spore-Forming Bacteria. , 0, , 533-557.		1
166	Letter To The Editor. Anaerobe, 1995, 1, 237-238.	2.1	0
167	Identifying the Basis for VirS/VirR Two-Component Regulatory System Control of Clostridium perfringens Beta-Toxin Production. Journal of Bacteriology, 2021, 203, e0027921.	2.2	0
168	Clostridium difficile. K. Aktories , T. D. Wilkins. Quarterly Review of Biology, 2001, 76, 277-277.	0.1	0
169	Reevaluation of whether a Functional Agr-like Quorum-Sensing System Is Necessary for Production of Wild-Type Levels of Epsilon-Toxin by Clostridium perfringens Type D Strains. MBio, 2022, , e0049622.	4.1	0