

Brendan W Wren

List of Publications by Year in descending order

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289
papers

17,884
citations

13827

67
h-index

18606

119
g-index

321
all docs

321
docs citations

321
times ranked

13801
citing authors

#	ARTICLE	IF	CITATIONS
1	The multidrug-resistant human pathogen <i>Clostridium difficile</i> has a highly mobile, mosaic genome. <i>Nature Genetics</i> , 2006, 38, 779-786.	9.4	821
2	N-Linked Glycosylation in <i>Campylobacter jejuni</i> and Its Functional Transfer into <i>E. coli</i> . <i>Science</i> , 2002, 298, 1790-1793.	6.0	716
3	Emergence and global spread of epidemic healthcare-associated <i>Clostridium difficile</i> . <i>Nature Genetics</i> , 2013, 45, 109-113.	9.4	669
4	The complete genome sequence of <i>Francisella tularensis</i> , the causative agent of tularemia. <i>Nature Genetics</i> , 2005, 37, 153-159.	9.4	436
5	Comparative genome and phenotypic analysis of <i>Clostridium difficile</i> O27 strains provides insight into the evolution of a hypervirulent bacterium. <i>Genome Biology</i> , 2009, 10, R102.	13.9	431
6	Protein glycosylation in bacterial mucosal pathogens. <i>Nature Reviews Microbiology</i> , 2005, 3, 225-237.	13.6	380
7	Bacterial pathogenomics. <i>Nature</i> , 2007, 449, 835-842.	13.7	374
8	The HtrA family of serine proteases. <i>Molecular Microbiology</i> , 1997, 26, 209-221.	1.2	369
9	Evolutionary dynamics of <i>Clostridium difficile</i> over short and long time scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7527-7532.	3.3	346
10	The <i>Clostridium difficile spo0A</i> Gene Is a Persistence and Transmission Factor. <i>Infection and Immunity</i> , 2012, 80, 2704-2711.	1.0	324
11	The <i>Yersinia</i> "a" model genus to study the rapid evolution of bacterial pathogens. <i>Nature Reviews Microbiology</i> , 2003, 1, 55-64.	13.6	320
12	Antibiotic Treatment of <i>Clostridium difficile</i> Carrier Mice Triggers a Supershedder State, Spore-Mediated Transmission, and Severe Disease in Immunocompromised Hosts. <i>Infection and Immunity</i> , 2009, 77, 3661-3669.	1.0	315
13	Whole Genome Comparison of <i>Campylobacter jejuni</i> Human Isolates Using a Low-Cost Microarray Reveals Extensive Genetic Diversity. <i>Genome Research</i> , 2001, 11, 1706-1715.	2.4	278
14	Genetic and biochemical evidence of a <i>Campylobacter jejuni</i> capsular polysaccharide that accounts for Penner serotype specificity. <i>Molecular Microbiology</i> , 2002, 35, 529-541.	1.2	228
15	The Complete Genome Sequence and Comparative Genome Analysis of the High Pathogenicity <i>Yersinia enterocolitica</i> Strain 8081. <i>PLoS Genetics</i> , 2006, 2, e206.	1.5	227
16	The Response Regulator PhoP Is Important for Survival under Conditions of Macrophage-Induced Stress and Virulence in <i>Yersinia pestis</i> . <i>Infection and Immunity</i> , 2000, 68, 3419-3425.	1.0	210
17	Phase variation of a β -1,3 galactosyltransferase involved in generation of the ganglioside GM1-like lipo-oligosaccharide of <i>Campylobacter jejuni</i> . <i>Molecular Microbiology</i> , 2002, 37, 501-514.	1.2	206
18	Functional analysis of the <i>Campylobacter jejuni</i> N-linked protein glycosylation pathway. <i>Molecular Microbiology</i> , 2005, 55, 1695-1703.	1.2	193

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19	Re-annotation and re-analysis of the <i>Campylobacter jejuni</i> NCTC11168 genome sequence. <i>BMC Genomics</i> , 2007, 8, 162.	1.2	189
20	Molecular characterization of the surface layer proteins from <i>Clostridium difficile</i> . <i>Molecular Microbiology</i> , 2001, 40, 1187-1199.	1.2	177
21	<i>Campylobacter</i> – a tale of two protein glycosylation systems. <i>Trends in Microbiology</i> , 2003, 11, 233-238.	3.5	166
22	Adaptation of <i>Campylobacter jejuni</i> NCTC11168 to High-Level Colonization of the Avian Gastrointestinal Tract. <i>Infection and Immunity</i> , 2004, 72, 3769-3776.	1.0	162
23	Analysis of <i>Campylobacter jejuni</i> capsular loci reveals multiple mechanisms for the generation of structural diversity and the ability to form complex heptoses. <i>Molecular Microbiology</i> , 2004, 55, 90-103.	1.2	162
24	Comparative phylogenomics of the food-borne pathogen <i>Campylobacter jejuni</i> reveals genetic markers predictive of infection source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16043-16048.	3.3	158
25	Application of DNA Microarrays to Study the Evolutionary Genomics of <i>Yersinia pestis</i> and <i>Yersinia pseudotuberculosis</i> . <i>Genome Research</i> , 2003, 13, 2018-2029.	2.4	154
26	Parallel independent evolution of pathogenicity within the genus <i>Yersinia</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6768-6773.	3.3	154
27	A novel paralogous gene family involved in phase-variable flagella-mediated motility in <i>Campylobacter jejuni</i> . <i>Microbiology (United Kingdom)</i> , 2002, 148, 473-480.	0.7	149
28	Characterisation of <i>Clostridium difficile</i> Biofilm Formation, a Role for Spo0A. <i>PLoS ONE</i> , 2012, 7, e50527.	1.1	147
29	<i>Helicobacter pylori</i> Possesses Two CheY Response Regulators and a Histidine Kinase Sensor, CheA, Which Are Essential for Chemotaxis and Colonization of the Gastric Mucosa. <i>Infection and Immunity</i> , 2000, 68, 2016-2023.	1.0	140
30	<i>Campylobacter jejuni</i> Outer Membrane Vesicles Play an Important Role in Bacterial Interactions with Human Intestinal Epithelial Cells. <i>Infection and Immunity</i> , 2012, 80, 4089-4098.	1.0	138
31	'Add, stir and reduce': <i>Yersinia</i> spp. as model bacteria for pathogen evolution. <i>Nature Reviews Microbiology</i> , 2016, 14, 177-190.	13.6	130
32	Multiple N-acetyl neuraminic acid synthetase (<i>neuB</i>) genes in <i>Campylobacter jejuni</i> : identification and characterization of the gene involved in sialylation of lipo-oligosaccharide. <i>Molecular Microbiology</i> , 2000, 35, 1120-1134.	1.2	128
33	Genomic signatures of human and animal disease in the zoonotic pathogen <i>Streptococcus suis</i> . <i>Nature Communications</i> , 2015, 6, 6740.	5.8	124
34	Identification of N-acetylgalactosamine-containing glycoproteins PEB3 and CgpA in <i>Campylobacter jejuni</i> . <i>Molecular Microbiology</i> , 2002, 43, 497-508.	1.2	121
35	<i>Campylobacter jejuni</i> Glycosylation Island Important in Cell Charge, Legionaminic Acid Biosynthesis, and Colonization of Chickens. <i>Infection and Immunity</i> , 2009, 77, 2544-2556.	1.0	121
36	A Novel <i>Campylobacter jejuni</i> Two-Component Regulatory System Important for Temperature-Dependent Growth and Colonization. <i>Journal of Bacteriology</i> , 1999, 181, 3298-3302.	1.0	117

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37	Macro and Micro Diversity of <i>Clostridium difficile</i> Isolates from Diverse Sources and Geographical Locations. PLoS ONE, 2012, 7, e31559.	1.1	114
38	<i>Campylobacter jejuni</i> outer membrane vesicle-associated proteolytic activity promotes bacterial invasion by mediating cleavage of intestinal epithelial cell E-cadherin and occludin. Cellular Microbiology, 2016, 18, 561-572.	1.1	113
39	Microbial genome analysis: insights into virulence, host adaptation and evolution. Nature Reviews Genetics, 2000, 1, 30-39.	7.7	109
40	The <i>agr</i> Locus Regulates Virulence and Colonization Genes in <i>Clostridium difficile</i> O27. Journal of Bacteriology, 2013, 195, 3672-3681.	1.0	99
41	Para-cresol production by <i>Clostridium difficile</i> affects microbial diversity and membrane integrity of Gram-negative bacteria. PLoS Pathogens, 2018, 14, e1007191.	2.1	98
42	A major role for intestinal epithelial nucleotide oligomerization domain 1 (NOD1) in eliciting host bactericidal immune responses to <i>Campylobacter jejuni</i> . Cellular Microbiology, 2007, 9, 2404-2416.	1.1	95
43	Microarray analysis of the transcriptional responses of <i>Clostridium difficile</i> to environmental and antibiotic stress. Journal of Medical Microbiology, 2008, 57, 757-764.	0.7	94
44	Invertebrates as a source of emerging human pathogens. Nature Reviews Microbiology, 2004, 2, 833-841.	13.6	91
45	<i>Galleria mellonella</i> as an alternative infection model for <i>Yersinia pseudotuberculosis</i> . Microbiology (United Kingdom), 2009, 155, 1516-1522.	0.7	91
46	Single-Primer PCR Procedure for Rapid Identification of Transposon Insertion Sites. BioTechniques, 2000, 28, 1078-1082.	0.8	90
47	The glycome. FEMS Microbiology Reviews, 2005, 29, 377-390.	3.9	88
48	Revised nomenclature of <i>Clostridium difficile</i> toxins and associated genes. Journal of Medical Microbiology, 2005, 54, 113-117.	0.7	88
49	Commonality and Biosynthesis of the O-Methyl Phosphoramidate Capsule Modification in <i>Campylobacter jejuni</i> . Journal of Biological Chemistry, 2007, 282, 28566-28576.	1.6	86
50	Exploiting genome sequence: predictions for mechanisms of <i>Campylobacter</i> chemotaxis. Trends in Microbiology, 2002, 10, 155-159.	3.5	85
51	Explorative Multifactor Approach for Investigating Global Survival Mechanisms of <i>Campylobacter jejuni</i> under Environmental Conditions. Applied and Environmental Microbiology, 2005, 71, 2086-2094.	1.4	83
52	Neutrophil Extracellular Traps Exhibit Antibacterial Activity against <i>Burkholderia pseudomallei</i> and Are Influenced by Bacterial and Host Factors. Infection and Immunity, 2012, 80, 3921-3929.	1.0	83
53	Detection and Initial Characterization of Novel Capsular Polysaccharide among Diverse <i>Campylobacter jejuni</i> Strains Using Alcian Blue Dye. Journal of Clinical Microbiology, 2001, 39, 279-284.	1.8	81
54	Intestinal Innate Immunity to <i>Campylobacter jejuni</i> Results in Induction of Bactericidal Human Beta-Defensins 2 and 3. Infection and Immunity, 2005, 73, 7281-7289.	1.0	81

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55	Emergence of new PCR ribotypes from the hypervirulent <i>Clostridium difficile</i> O27 lineage. <i>Journal of Medical Microbiology</i> , 2012, 61, 49-56.	0.7	81
56	Structural characterization of lipo-oligosaccharide (LOS) from <i>Yersinia pestis</i> : regulation of LOS structure by the PhoPQ system. <i>Molecular Microbiology</i> , 2002, 44, 1637-1650.	1.2	80
57	Development of a Multiplex PCR Assay for Rapid Molecular Serotyping of <i>Haemophilus parasuis</i> . <i>Journal of Clinical Microbiology</i> , 2015, 53, 3812-3821.	1.8	80
58	Recent advances in the production of recombinant glycoconjugate vaccines. <i>Npj Vaccines</i> , 2019, 4, 16.	2.9	79
59	Application of Comparative Phylogenomics To Study the Evolution of <i>Yersinia enterocolitica</i> and To Identify Genetic Differences Relating to Pathogenicity. <i>Journal of Bacteriology</i> , 2006, 188, 3645-3653.	1.0	78
60	Demonstration of Polysaccharide Capsule in <i>Campylobacter jejuni</i> Using Electron Microscopy. <i>Infection and Immunity</i> , 2001, 69, 5921-5924.	1.0	76
61	Exploitation of bacterial N-linked glycosylation to develop a novel recombinant glycoconjugate vaccine against <i>Francisella tularensis</i> . <i>Open Biology</i> , 2013, 3, 130002.	1.5	76
62	Genome-Wide Saturation Mutagenesis of <i>Burkholderia pseudomallei</i> K96243 Predicts Essential Genes and Novel Targets for Antimicrobial Development. <i>MBio</i> , 2014, 5, e00926-13.	1.8	75
63	Cyclic diGMP Regulates Production of Sortase Substrates of <i>Clostridium difficile</i> and Their Surface Exposure through Zmpl Protease-mediated Cleavage. <i>Journal of Biological Chemistry</i> , 2015, 290, 24453-24469.	1.6	74
64	The importance of the glycosylation of antimicrobial peptides: natural and synthetic approaches. <i>Drug Discovery Today</i> , 2017, 22, 919-926.	3.2	73
65	Serotype Differences and Lack of Biofilm Formation Characterize <i>Yersinia pseudotuberculosis</i> Infection of the <i>Xenopsylla cheopis</i> Flea Vector of <i>Yersinia pestis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 1113-1119.	1.0	72
66	The RovA regulons of <i>Yersinia enterocolitica</i> and <i>Yersinia pestis</i> are distinct: evidence that many RovA-regulated genes were acquired more recently than the core genome. <i>Molecular Microbiology</i> , 2007, 66, 189-205.	1.2	72
67	Insect Infection Model for <i>Campylobacter jejuni</i> Reveals That O-methyl Phosphoramidate Has Insecticidal Activity. <i>Journal of Infectious Diseases</i> , 2010, 201, 100129142112076-000.	1.9	72
68	Bacterial epidemiology and biology - lessons from genome sequencing. <i>Genome Biology</i> , 2011, 12, 230.	13.9	72
69	Recent developments in bacterial protein glycan coupling technology and glycoconjugate vaccine design. <i>Journal of Medical Microbiology</i> , 2012, 61, 919-926.	0.7	71
70	Genome-Based Infection Tracking Reveals Dynamics of <i>Clostridium difficile</i> Transmission and Disease Recurrence. <i>Clinical Infectious Diseases</i> , 2016, 62, 746-752.	2.9	71
71	Pseudaminic Acid on <i>Campylobacter jejuni</i> Flagella Modulates Dendritic Cell IL-10 Expression via Siglec-10 Receptor: A Novel Flagellin-Host Interaction. <i>Journal of Infectious Diseases</i> , 2014, 210, 1487-1498.	1.9	70
72	Immunogenicity of a <i>Salmonella typhimurium</i> aroA aroD Vaccine Expressing a Nontoxic Domain of <i>Clostridium difficile</i> Toxin A. <i>Infection and Immunity</i> , 1999, 67, 2145-2152.	1.0	69

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73	Characterization of a haemolysin from <i>Mycobacterium tuberculosis</i> with homology to a virulence factor of <i>Serpulina hyodysenteriae</i> . <i>Microbiology (United Kingdom)</i> , 1998, 144, 1205-1211.	0.7	68
74	Proposal of serovars 17 and 18 of <i>Actinobacillus pleuropneumoniae</i> based on serological and genotypic analysis. <i>Veterinary Microbiology</i> , 2018, 217, 1-6.	0.8	64
75	Characterization of N-Linked Protein Glycosylation in <i>Helicobacter pullorum</i> . <i>Journal of Bacteriology</i> , 2010, 192, 5228-5236.	1.0	63
76	The <i>Campylobacter jejuni</i> Transcriptional Regulator Cj1556 Plays a Role in the Oxidative and Aerobic Stress Response and Is Important for Bacterial Survival <i>In Vivo</i> . <i>Journal of Bacteriology</i> , 2011, 193, 4238-4249.	1.0	63
77	Transcriptional Analysis of Temporal Gene Expression in Germinating <i>Clostridium difficile</i> 630 Endospores. <i>PLoS ONE</i> , 2013, 8, e64011.	1.1	63
78	<i>Yersinia enterocolitica</i> Provides the Link between Thyroid-Stimulating Antibodies and Their Germline Counterparts in Graves' Disease. <i>Journal of Immunology</i> , 2013, 190, 5373-5381.	0.4	62
79	Construction and characterisation of a <i>Yersinia enterocolitica</i> O:8ompR mutant. <i>FEMS Microbiology Letters</i> , 1998, 165, 145-151.	0.7	61
80	Comparative analysis of BI/NAP1/027 hypervirulent strains reveals novel toxin B-encoding gene (tcdB) sequences. <i>Journal of Medical Microbiology</i> , 2008, 57, 771-775.	0.7	61
81	Delineation of the Innate and Adaptive T-Cell Immune Outcome in the Human Host in Response to <i>Campylobacter jejuni</i> Infection. <i>PLoS ONE</i> , 2010, 5, e15398.	1.1	61
82	Comprehensive Longitudinal Microbiome Analysis of the Chicken Cecum Reveals a Shift From Competitive to Environmental Drivers and a Window of Opportunity for <i>Campylobacter</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2452.	1.5	60
83	<i>Clostridium difficile</i> Modulates Host Innate Immunity via Toxin-Independent and Dependent Mechanism(s). <i>PLoS ONE</i> , 2013, 8, e69846.	1.1	59
84	Intracellular replication of the well-armed pathogen <i>Burkholderia pseudomallei</i> . <i>Current Opinion in Microbiology</i> , 2016, 29, 94-103.	2.3	59
85	Assessing the role of p-cresol tolerance in <i>Clostridium difficile</i> . <i>Journal of Medical Microbiology</i> , 2008, 57, 745-749.	0.7	59
86	A Phylogenetic and Phenotypic Analysis of <i>Salmonella enterica</i> Serovar Weltevreden, an Emerging Agent of Diarrheal Disease in Tropical Regions. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004446.	1.3	59
87	Understanding and Managing Zoonotic Risk in the New Livestock Industries. <i>Environmental Health Perspectives</i> , 2013, 121, 873-877.	2.8	58
88	Characterization of the Structurally Diverse N-Linked Glycans of <i>Campylobacter</i> Species. <i>Journal of Bacteriology</i> , 2012, 194, 2355-2362.	1.0	57
89	<i>Yersinia pestis</i> pFra Shows Biovar-Specific Differences and Recent Common Ancestry with a <i>Salmonella enterica</i> Serovar Typhi Plasmid. <i>Journal of Bacteriology</i> , 2001, 183, 2586-2594.	1.0	56
90	Characterization of the <i>Burkholderia pseudomallei</i> K96243 Capsular Polysaccharide I Coding Region. <i>Infection and Immunity</i> , 2012, 80, 1209-1221.	1.0	56

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91	The failure of different strains of <i>Yersinia pestis</i> to produce lipopolysaccharide O-antigen under different growth conditions is due to mutations in the O-antigen gene cluster. <i>FEMS Microbiology Letters</i> , 2001, 197, 229-233.	0.7	55
92	Comparative phylogenomics of pathogenic bacteria by microarray analysis. <i>Current Opinion in Microbiology</i> , 2005, 8, 620-626.	2.3	54
93	Hypervirulent <i>Clostridium difficile</i> PCR-Ribotypes Exhibit Resistance to Widely Used Disinfectants. <i>PLoS ONE</i> , 2011, 6, e25754.	1.1	54
94	Patterns of antimicrobial resistance in <i>Streptococcus suis</i> isolates from pigs with or without streptococcal disease in England between 2009 and 2014. <i>Veterinary Microbiology</i> , 2017, 207, 117-124.	0.8	53
95	Genomic variations define divergence of water/wildlife-associated <i>Campylobacter jejuni</i> niche specialists from common clonal complexes. <i>Environmental Microbiology</i> , 2011, 13, 1549-1560.	1.8	52
96	<i>Galleria mellonella</i> is an effective model to study <i>Actinobacillus pleuropneumoniae</i> infection. <i>Microbiology (United Kingdom)</i> , 2015, 161, 387-400.	0.7	52
97	<i>Clostridium difficile</i> —A continually evolving and problematic pathogen. <i>Infection, Genetics and Evolution</i> , 2009, 9, 1410-1417.	1.0	50
98	Comparative Genome Analysis and Global Phylogeny of the Toxin Variant <i>Clostridium difficile</i> PCR Ribotype 017 Reveals the Evolution of Two Independent Sublineages. <i>Journal of Clinical Microbiology</i> , 2017, 55, 865-876.	1.8	50
99	Characterization of the lipopolysaccharide of <i>Yersinia pestis</i> . <i>Microbial Pathogenesis</i> , 2001, 30, 49-57.	1.3	49
100	Identification of Possible Virulence Marker from <i>Campylobacter jejuni</i> isolates. <i>Emerging Infectious Diseases</i> , 2014, 20, 1026-1029.	2.0	49
101	Role of Glycosyltransferases Modifying Type B Flagellin of Emerging Hypervirulent <i>Clostridium difficile</i> Lineages and Their Impact on Motility and Biofilm Formation. <i>Journal of Biological Chemistry</i> , 2016, 291, 25450-25461.	1.6	49
102	Comparative sequence analysis of the capsular polysaccharide loci of <i>Actinobacillus pleuropneumoniae</i> serovars 18, and development of two multiplex PCRs for comprehensive capsule typing. <i>Veterinary Microbiology</i> , 2018, 220, 83-89.	0.8	49
103	Sequencing of the <i>Francisella tularensis</i> Strain Schu 4 Genome Reveals the Shikimate and Purine Metabolic Pathways, Targets for the Construction of a Rationally Attenuated Auxotrophic Vaccine. <i>Microbial & Comparative Genomics</i> , 2000, 5, 25-39.	0.6	48
104	The Sudden Dominance of bla _{CTX-M} Harbouring Plasmids in <i>Shigella</i> spp. Circulating in Southern Vietnam. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e702.	1.3	48
105	Biological Roles of the O-Methyl Phosphoramidate Capsule Modification in <i>Campylobacter jejuni</i> . <i>PLoS ONE</i> , 2014, 9, e87051.	1.1	48
106	Characterization of the low-pH responses of <i>Helicobacter pylori</i> using genomic DNA arrays. <i>Microbiology (United Kingdom)</i> , 2001, 147, 2285-2292.	0.7	48
107	Biofilm Development on <i>Caenorhabditis elegans</i> by <i>Yersinia</i> Is Facilitated by Quorum Sensing-Dependent Repression of Type III Secretion. <i>PLoS Pathogens</i> , 2011, 7, e1001250.	2.1	47
108	The post-translational modification of the <i>Clostridium difficile</i> flagellin affects motility, cell surface properties and virulence. <i>Molecular Microbiology</i> , 2014, 94, 272-289.	1.2	47

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109	Genomic Epidemiology of a Protracted Hospital Outbreak Caused by a Toxin A-Negative <i>Clostridium difficile</i> Sublineage PCR Ribotype 017 Strain in London, England. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3141-3147.	1.8	46
110	Role of the Cj1371 periplasmic protein and the Cj0355c two-component regulator in the <i>Campylobacter jejuni</i> NCTC 11168 response to oxidative stress caused by paraquat. <i>Research in Microbiology</i> , 2008, 159, 718-726.	1.0	44
111	Deciphering <i>Campylobacter jejuni</i> cell surface interactions from the genome sequence. <i>Current Opinion in Microbiology</i> , 2001, 4, 35-40.	2.3	43
112	Hijacking bacterial glycosylation for the production of glycoconjugates, from vaccines to humanised glycoproteins. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 338-350.	1.2	43
113	Degenerate PCR primers for the amplification of fragments from genes encoding response regulators from a range of pathogenic bacteria. <i>FEMS Microbiology Letters</i> , 1992, 99, 287-291.	0.7	42
114	<i>Helicobacter pylori</i> Pore-Forming Cytolysin Orthologue TlyA Possesses In Vitro Hemolytic Activity and Has a Role in Colonization of the Gastric Mucosa. <i>Infection and Immunity</i> , 2001, 69, 1697-1703.	1.0	42
115	The <i>In Vitro</i> and <i>In Vivo</i> Effect of Carvacrol in Preventing <i>Campylobacter</i> Infection, Colonization and in Improving Productivity of Chicken Broilers. <i>Foodborne Pathogens and Disease</i> , 2017, 14, 341-349.	0.8	42
116	Whole Genome Sequencing for Surveillance of Antimicrobial Resistance in <i>Actinobacillus pleuropneumoniae</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 311.	1.5	42
117	<i>Yersinia pseudotuberculosis</i> mntH functions in intracellular manganese accumulation, which is essential for virulence and survival in cells expressing functional Nramp1. <i>Microbiology (United Kingdom)</i> Tj ETQq1 1 0.784304rgBT /Overlock		
118	Virulence characteristics of hcp + <i>Campylobacter jejuni</i> and <i>Campylobacter coli</i> isolates from retail chicken. <i>Gut Pathogens</i> , 2015, 7, 20.	1.6	41
119	Characterization of New Virulence Factors Involved in the Intracellular Growth and Survival of <i>Burkholderia pseudomallei</i> . <i>Infection and Immunity</i> , 2016, 84, 701-710.	1.0	41
120	Adaptation of host transmission cycle during <i>Clostridium difficile</i> speciation. <i>Nature Genetics</i> , 2019, 51, 1315-1320.	9.4	41
121	Are bacterial exotoxins cytokine network regulators?. <i>Trends in Microbiology</i> , 1997, 5, 454-458.	3.5	40
122	The importance of the Rcs phosphorelay in the survival and pathogenesis of the enteropathogenic <i>Yersinia</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 1117-1131.	0.7	40
123	Altered Innate Defenses in the Neonatal Gastrointestinal Tract in Response to Colonization by Neuropathogenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2013, 81, 3264-3275.	1.0	40
124	<i>Campylobacter jejuni</i> Lipooligosaccharide Sialylation, Phosphorylation, and Amide/Ester Linkage Modifications Fine-tune Human Toll-like Receptor 4 Activation. <i>Journal of Biological Chemistry</i> , 2013, 288, 19661-19672.	1.6	40
125	LsaA, an Antigen Involved in Cell Attachment and Invasion, Is Expressed by <i>Lawsonia intracellularis</i> during Infection In Vitro and In Vivo. <i>Infection and Immunity</i> , 2002, 70, 2899-2907.	1.0	39
126	A recombinant conjugated pneumococcal vaccine that protects against murine infections with a similar efficacy to Prevnar-13. <i>Npj Vaccines</i> , 2018, 3, 53.	2.9	39

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127	Quantitative Analyses Reveal Novel Roles for <i>N</i> -Glycosylation in a Major Enteric Bacterial Pathogen. <i>MBio</i> , 2019, 10, .	1.8	39
128	The <i>Campylobacter jejuni</i> Type VI Secretion System Enhances the Oxidative Stress Response and Host Colonization. <i>Frontiers in Microbiology</i> , 2019, 10, 2864.	1.5	39
129	Local and Systemic Neutralizing Antibody Responses Induced by Intranasal Immunization with the Nontoxic Binding Domain of Toxin A from <i>Clostridium difficile</i> . <i>Infection and Immunity</i> , 1999, 67, 5124-5132.	1.0	39
130	Investigation into the role of the serine protease HtrA in <i>Yersinia pestis</i> pathogenesis. <i>FEMS Microbiology Letters</i> , 2000, 186, 281-286.	0.7	38
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