Lothar H Wieler

List of Publications by Year
in descending order

177	12,183	26626 56	30920 102
papers	citations	h-index	g-index

188	188	188	11404
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sex and virulence in Escherichia coli: an evolutionary perspective. Molecular Microbiology, 2006, 60, 1136-1151.	2.5	1,806
2	Avian pathogenic, uropathogenic, and newborn meningitis-causing Escherichia coli: How closely related are they?. International Journal of Medical Microbiology, 2007, 297, 163-176.	3.6	449
3	Characterization of a porcine intestinal epithelial cell line for in vitro studies of microbial pathogenesis in swine. Histochemistry and Cell Biology, 2006, 125, 293-305.	1.7	313
4	Extended-Spectrum Beta-Lactamases Producing E. coli in Wildlife, yet Another Form of Environmental Pollution?. Frontiers in Microbiology, 2011, 2, 246.	3.5	297
5	A New Shiga Toxin 2 Variant (Stx2f) from Escherichia coli Isolated from Pigeons. Applied and Environmental Microbiology, 2000, 66, 1205-1208.	3.1	284
6	Emergence of human pandemic O25:H4-ST131 CTX-M-15 extended-spectrum-Î²-lactamase-producing Escherichia coli among companion animals. Journal of Antimicrobial Chemotherapy, 2010, 65, 651-660.	3.0	255
7	Livestock-Associated MRSA: The Impact on Humans. Antibiotics, 2015, 4, 521-543.	3.7	237
8	Molecular epidemiology of avian pathogenic Escherichia coli (APEC) isolated from colisepticemia in poultry. Veterinary Microbiology, 2004, 104, 91-101.	1.9	223
9	Identification of protective and broadly conserved vaccine antigens from the genome of extraintestinal pathogenic Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9072-9077.	7.1	222
10	Intestine and Environment of the Chicken as Reservoirs for Extraintestinal Pathogenic Escherichia coli Strains with Zoonotic Potential. Applied and Environmental Microbiology, 2009, 75, 184-192.	3.1	194
11	Identification of enterotoxigenic Escherichia coli (ETEC) clades with long-term global distribution. Nature Genetics, 2014, 46, 1321-1326.	21.4	192
12	Virulence genotype of Pasteurella multocida strains isolated from different hosts with various disease status. Veterinary Microbiology, 2006, 114, 304-317.	1.9	180
13	Combined Analysis of Variation in Core, Accessory and Regulatory Genome Regions Provides a Super-Resolution View into the Evolution of Bacterial Populations. PLoS Genetics, 2016, 12, e1006280.	3.5	177
14	Rapid Detection of Virulence-Associated Genes in Avian Pathogenic Escherichia coli by Multiplex Polymerase Chain Reaction. Avian Diseases, 2005, 49, 269-273.	1.0	162
15	The broader context of antibiotic resistance: Zinc feed supplementation of piglets increases the proportion of multi-resistant Escherichia coli in vivo. International Journal of Medical Microbiology, 2013, 303, 396-403.	3.6	162
16	CTX-M-15-D-ST648 Escherichia coli from companion animals and horses: another pandemic clone combining multiresistance and extraintestinal virulence?. Journal of Antimicrobial Chemotherapy, 2014, 69, 1224-1230.	3.0	160
17	Methicillin-resistant staphylococci (MRS) and extended-spectrum beta-lactamases (ESBL)-producing Enterobacteriaceae in companion animals: Nosocomial infections as one reason for the rising prevalence of these potential zoonotic pathogens in clinical samples. International Journal of Medical Microbiology, 2011, 301, 635-641.	3.6	148
18	Prevalence of Methicillin-resistant Staphylococcus pseudintermedius isolated from clinical samples of companion animals and equidaes. Veterinary Microbiology, 2009, 136, 197-201.	1.9	137

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19	Comparable High Rates of Extended-Spectrum-Beta-Lactamase-Producing Escherichia coli in Birds of Prey from Germany and Mongolia. PLoS ONE, 2012, 7, e53039.	2.5	127
20	Fluorescence in situ hybridization (FISH) analysis of the interactions between honeybee larvae and Paenibacillus larvae, the causative agent of American foulbrood of honeybees (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.8	122
21	Clonal spread and interspecies transmission of clinically relevant ESBL-producingEscherichia coliof ST410â€"another successful pandemic clone?. FEMS Microbiology Ecology, 2016, 92, fiv155.	2.7	120
22	Methicillin-resistant Staphylococcus aureus (MRSA) isolated from small and exotic animals at a university hospital during routine microbiological examinations. Veterinary Microbiology, 2008, 127, 171-178.	1.9	114
23	Identification of Genes Required for Avian Escherichia coli Septicemia by Signature-Tagged Mutagenesis. Infection and Immunity, 2005, 73, 2818-2827.	2.2	112
24	Clonal spread of highly successful ST15-CTX-M-15 Klebsiella pneumoniae in companion animals and horses. Journal of Antimicrobial Chemotherapy, 2014, 69, 2676-2680.	3.0	111
25	Adhesive threads of extraintestinal pathogenic Escherichia coli. Gut Pathogens, 2009, 1, 22.	3.4	104
26	Widespread rapid emergence of a distinct methicillin- and multidrug-resistant Staphylococcus pseudintermedius (MRSP) genetic lineage in Europe. Veterinary Microbiology, 2010, 144, 340-346.	1.9	103
27	Alarming Proportions of Methicillin-Resistant Staphylococcus aureus (MRSA) in Wound Samples from Companion Animals, Germany 2010â€"2012. PLoS ONE, 2014, 9, e85656.	2.5	102
28	Sharing More than Friendship â€" Nasal Colonization with Coagulase-Positive Staphylococci (CPS) and Co-Habitation Aspects of Dogs and Their Owners. PLoS ONE, 2012, 7, e35197.	2.5	101
29	The chicken as a natural model for extraintestinal infections caused by avian pathogenic Escherichia coli (APEC). Microbial Pathogenesis, 2008, 45, 361-369.	2.9	100
30	Antimicrobial resistance profiles of Escherichia coli from common European wild bird species. Veterinary Microbiology, 2010, 144, 219-225.	1.9	98
31	Shiga Toxin 2e-Producing Escherichia coli Isolates from Humans and Pigs Differ in Their Virulence Profiles and Interactions with Intestinal Epithelial Cells. Applied and Environmental Microbiology, 2005, 71, 8855-8863.	3.1	97
32	Comparative Molecular Analysis Substantiates Zoonotic Potential of Equine Methicillin-ResistantStaphylococcus aureus. Journal of Clinical Microbiology, 2009, 47, 704-710.	3.9	97
33	Influence of a Probiotic Strain ofEnterococcus faeciumonSalmonella entericaSerovar Typhimurium DT104 Infection in a Porcine Animal Infection Model. Applied and Environmental Microbiology, 2009, 75, 2621-2628.	3.1	97
34	Virulence Characteristics and Genetic Affinities of Multiple Drug Resistant Uropathogenic Escherichia coli from a Semi Urban Locality in India. PLoS ONE, 2011, 6, e18063.	2.5	95
35	Persistent anthrax as a major driver of wildlife mortality in a tropical rainforest. Nature, 2017, 548, 82-86.	27.8	95
36	Species-wide whole genome sequencing reveals historical global spread and recent local persistence in Shigella flexneri. ELife, 2015, 4, e07335.	6.0	94

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37	Comparative Genomic Analysis of Globally Dominant ST131 Clone with Other Epidemiologically Successful Extraintestinal Pathogenic Escherichia coli (ExPEC) Lineages. MBio, 2017, 8, .	4.1	86
38	Sequencing and Functional Annotation of Avian Pathogenic Escherichia coli Serogroup O78 Strains Reveal the Evolution of E. coli Lineages Pathogenic for Poultry via Distinct Mechanisms. Infection and Immunity, 2013, 81, 838-849.	2.2	82
39	Multiresistant Uropathogenic Escherichia coli from a Region in India Where Urinary Tract Infections Are Endemic: Genotypic and Phenotypic Characteristics of Sequence Type 131 Isolates of the CTX-M-15 Extended-Spectrum-Î²-Lactamase-Producing Lineage. Antimicrobial Agents and Chemotherapy, 2012, 56, 6358-6365.	3.2	81
40	Carriage of Extended-Spectrum Beta-Lactamase-Plasmids Does Not Reduce Fitness but Enhances Virulence in Some Strains of Pandemic E. coli Lineages. Frontiers in Microbiology, 2016, 7, 336.	3.5	81
41	Chromosomally encoded ESBL genes in Escherichia coli of ST38 from Mongolian wild birds. Journal of Antimicrobial Chemotherapy, 2017, 72, 1310-1313.	3.0	80
42	High prevalence of treponemes in bovine digital dermatitis-A molecular epidemiology. Veterinary Microbiology, 2008, 131, 293-300.	1.9	74
43	High dietary zinc feeding promotes persistence of multi-resistant E. coli in the swine gut. PLoS ONE, 2018, 13, e0191660.	2.5	74
44	Genomic and Functional Analysis of Emerging Virulent and Multidrug-Resistant Escherichia coli Lineage Sequence Type 648. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	71
45	Risk of Transmission of Antimicrobial Resistant Escherichia coli from Commercial Broiler and Free-Range Retail Chicken in India. Frontiers in Microbiology, 2017, 8, 2120.	3.5	70
46	Shiga toxin producing Escherichia coli: identification of non-O157:H7-Super-Shedding cows and related risk factors. Gut Pathogens, 2010, 2, 7.	3.4	67
47	The PGRS Domain of Mycobacterium tuberculosis PE_PGRS Protein Rv0297 Is Involved in Endoplasmic Reticulum Stress-Mediated Apoptosis through Toll-Like Receptor 4. MBio, 2018, 9, .	4.1	67
48	Frequent Combination of Antimicrobial Multiresistance and Extraintestinal Pathogenicity in Escherichia coli Isolates from Urban Rats (Rattus norvegicus) in Berlin, Germany. PLoS ONE, 2012, 7, e50331.	2.5	67
49	Composition of intestinal Enterobacteriaceae populations of healthy domestic pigs. Microbiology (United Kingdom), 2007, 153, 3830-3837.	1.8	64
50	Relevance of Campylobacter to public healthâ€"The need for a One Health approach. International Journal of Medical Microbiology, 2014, 304, 817-823.	3.6	64
51	Molecular Epidemiology and Genome Dynamics of New Delhi Metallo-Î²-Lactamase-Producing Extraintestinal Pathogenic Escherichia coli Strains from India. Antimicrobial Agents and Chemotherapy, 2016, 60, 6795-6805.	3.2	64
52	MRSA Variant in Companion Animals. Emerging Infectious Diseases, 2012, 18, 2017-2020.	4.3	63
53	Feeding the Probiotic Enterococcus faecium Strain NCIMB 10415 to Piglets Specifically Reduces the Number of Escherichia coli Pathotypes That Adhere to the Gut Mucosa. Applied and Environmental Microbiology, 2013, 79, 7896-7904.	3.1	63
54	A Transgenic Probiotic Secreting a Parasite Immunomodulator for Site-Directed Treatment of Gut Inflammation. Molecular Therapy, 2014, 22, 1730-1740.	8.2	63

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55	The gut microbiome of horses: current research on equine enteral microbiota and future perspectives. Animal Microbiome, 2019, 1, 14.	3.8	61
56	Characterization of Shiga-like Toxin Producing Escherichia coli (SLTEC) Isolated from Calves with and without Diarrhoea. Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology, 1992, 276, 243-253.	0.5	60
57	Impact of the locus of enterocyte effacement pathogenicity island on the evolution of pathogenic Escherichia coli. International Journal of Medical Microbiology, 2004, 294, 103-113.	3.6	60
58	First insights into antimicrobial resistance among faecal Escherichia coli isolates from small wild mammals in rural areas. Science of the Total Environment, 2010, 408, 3519-3522.	8.0	60
59	Î±-Haemolysin ofEscherichia coliin IBD: a potentiator of inflammatory activity in the colon. Gut, 2014, 63, 1893-1901.	12.1	60
60	Cyclicâ€diâ€<scp>GMP</scp> signalling and biofilmâ€related properties of the Shiga toxinâ€producing 2011 German outbreak <scp>E</scp>scherichia coli O104:H4. EMBO Molecular Medicine, 2014, 6, 1622-1637.	6.9	60
61	Insertion site of the locus of enterocyte effacement in enteropathogenic and enterohemorrhagic Escherichia coli differs in relation to the clonal phylogeny of the strains. FEMS Microbiology Letters, 2006, 156, 49-53.	1.8	57
62	No evidence of the Shiga toxin-producing E. coli O104:H4 outbreak strain or enteroaggregative E. coli (EAEC) found in cattle faeces in northern Germany, the hotspot of the 2011 HUS outbreak area. Gut Pathogens, 2011, 3, 17.	3.4	57
63	Timely approaches to identify probiotic species of the genus Lactobacillus. Gut Pathogens, 2013, 5, 27.	3.4	57
64	Adhesion of Human and Animal Escherichia coli Strains in Association with Their Virulence-Associated Genes and Phylogenetic Origins. Applied and Environmental Microbiology, 2013, 79, 5814-5829.	3.1	55
65	Extraintestinal pathogenic Escherichia coli (ExPEC) of human and avian origin belonging to sequence type complex 95 (STC95) portray indistinguishable virulence features. International Journal of Medical Microbiology, 2014, 304, 835-842.	3.6	55
66	High carriage rate of ESBL-producingEnterobacteriaceaeat presentation and follow-up among travellers with gastrointestinal complaints returning from India and Southeast Asia. Journal of Travel Medicine, 2016, 23, tav024.	3.0	55
67	Isolation and Characterization of Intestinal Escherichia coli Clones from Wild Boars in Germany. Applied and Environmental Microbiology, 2009, 75, 695-702.	3.1	53
68	Genetic diversity of porcine Pasteurella multocida strains from the respiratory tract of healthy and diseased swine. Veterinary Microbiology, 2009, 139, 97-105.	1.9	52
69	CTXâ€Mâ€15â€type extendedâ€spectrum betaâ€lactamasesâ€producing Escherichia coli from wild birds in Germany. Environmental Microbiology Reports, 2010, 2, 641-645.	2.4	51
70	Infections with Avian Pathogenic and Fecal Escherichia coli Strains Display Similar Lung Histopathology and Macrophage Apoptosis. PLoS ONE, 2012, 7, e41031.	2.5	51
71	Phylogeny and Disease Association of Shiga Toxinâ€“producingEscherichia coliO91. Emerging Infectious Diseases, 2009, 15, 1474-1477.	4.3	50
72	Detection of pandemic B2-O25-ST131 Escherichia coli harbouring the CTX-M-9 extended-spectrum Â-lactamase type in a feral urban brown rat (Rattus norvegicus). Journal of Antimicrobial Chemotherapy, 2010, 65, 582-584.	3.0	50

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73	Role of F1C Fimbriae, Flagella, and Secreted Bacterial Components in the Inhibitory Effect of Probiotic Escherichia coli Nissle 1917 on Atypical Enteropathogenic E. coli Infection. Infection and Immunity, 2014, 82, 1801-1812.	2.2	50
74	The zoonotic potential of Clostridium difficile from small companion animals and their owners. PLoS ONE, 2018, 13, e0193411.	2.5	50
75	Influenza-associated pneumonia as reference to assess seriousness of coronavirus disease (COVID-19). Eurosurveillance, 2020, 25, .	7.0	50
76	Treponema berlinense sp. nov. and Treponema porcinum sp. nov., novel spirochaetes isolated from porcine faeces. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1675-1680.	1.7	49
77	A novel locus of enterocyte effacement (LEE) pathogenicity island inserted atpheV in bovine Shiga toxin-producingEscherichia colistrain O103:H2. FEMS Microbiology Letters, 2001, 204, 75-79.	1.8	47
78	Bacillus cereus var. toyoi enhanced systemic immune response in piglets. Veterinary Immunology and Immunopathology, 2007, 118, 1-11.	1.2	47
79	ExPECâ€typical virulenceâ€associated genes correlate with successful colonization by intestinal E.â€ƒcoli in a small piglet group. Environmental Microbiology, 2008, 10, 1742-1751.	3.8	47
80	A Core Genome Multilocus Sequence Typing Scheme for Enterococcus faecalis. Journal of Clinical Microbiology, 2019, 57, .	3.9	47
81	E. coli Nissle 1917 Affects Salmonella Adhesion to Porcine Intestinal Epithelial Cells. PLoS ONE, 2011, 6, e14712.	2.5	47
82	Highly Virulent Non-O157 Enterohemorrhagic Escherichia coli (EHEC) Serotypes Reflect Similar Phylogenetic Lineages, Providing New Insights into the Evolution of EHEC. Applied and Environmental Microbiology, 2015, 81, 7041-7047.	3.1	46
83	Helcococcus ovis , an Emerging Pathogen in Bovine Valvular Endocarditis. Journal of Clinical Microbiology, 2008, 46, 3291-3295.	3.9	44
84	Signature-Tagged Mutagenesis in a Chicken Infection Model Leads to the Identification of a Novel Avian Pathogenic Escherichia coli Fimbrial Adhesin. PLoS ONE, 2009, 4, e7796.	2.5	43
85	Adaptation of host transmission cycle during Clostridium difficile speciation. Nature Genetics, 2019, 51, 1315-1320.	21.4	41
86	Clinically Relevant ESBL-Producing K. pneumoniae ST307 and E. coli ST38 in an Urban West African Rat Population. Frontiers in Microbiology, 2018, 9, 150.	3.5	40
87	Probiotic Escherichia coli Nissle 1917 reduces growth, Shiga toxin expression, release and thus cytotoxicity of enterohemorrhagic Escherichia coli. International Journal of Medical Microbiology, 2015, 305, 20-26.	3.6	38
88	Extended-spectrum beta-lactamases-producing gram-negative bacteria in companion animals: action is clearly warranted!. Berliner Und Munchener Tierarztliche Wochenschrift, 2011, 124, 94-101.	0.7	38
89	Phylogenetic and Molecular Analysis of Food-Borne Shiga Toxin-Producing Escherichia coli. Applied and Environmental Microbiology, 2013, 79, 2731-2740.	3.1	37
90	Phylogenetic Analysis of Staphylococcus aureus CC398 Reveals a Sub-Lineage Epidemiologically Associated with Infections in Horses. PLoS ONE, 2014, 9, e88083.	2.5	37

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91	Inactivation of Shiga toxin-producing Escherichia coli O104:H4 using cold atmospheric pressure plasma. Journal of Bioscience and Bioengineering, 2015, 120, 275-279.	2.2	36
92	Comparative Genomics of Escherichia coli Isolated from Skin and Soft Tissue and Other Extraintestinal Infections. MBio, 2017, 8, .	4.1	36
93	The enterohemolysin phenotype of bovine Shiga-like toxin-producing Escherichia coli (SLTEC) is encoded by the EHEC-hemolysin gene. Veterinary Microbiology, 1996, 52, 153-164.	1.9	33
94	Detection of Trichinella spiralis, T. britovi and T. pseudospiralis in muscle tissue with real-time PCR. Journal of Microbiological Methods, 2008, 75, 287-292.	1.6	33
95	ESBL-plasmid carriage in E. coli enhances in vitro bacterial competition fitness and serum resistance in some strains of pandemic sequence types without overall fitness cost. Gut Pathogens, 2018, 10, 24.	3.4	33
96	Putative connection between zoonotic multiresistant extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli in dog feces from a veterinary campus and clinical isolates from dogs. Infection Ecology and Epidemiology, 2015, 5, 25334.	0.8	32
97	Characterization of a yjjQ mutant of avian pathogenic Escherichia coli (APEC). Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Over	1.8	30
98	National antibiotic resistance monitoring in veterinary pathogens from sick food-producing animals: the German programme and results from the 2001 pilot study. International Journal of Antimicrobial Agents, 2003, 22, 420-428.	2.5	29
99	The Accessory Genome of Shiga Toxin-Producing Escherichia coli Defines a Persistent Colonization Type in Cattle. Applied and Environmental Microbiology, 2016, 82, 5455-5464.	3.1	29
100	SLIMM: species level identification of microorganisms from metagenomes. PeerJ, 2017, 5, e3138.	2.0	29
101	Association of Treponema spp. with canine periodontitis. Veterinary Microbiology, 2008, 127, 334-342.	1.9	28
102	Is Fecal Carriage of Extended-Spectrum-Î²-Lactamase-Producing Escherichia coli in Urban Rats a Risk for Public Health?. Antimicrobial Agents and Chemotherapy, 2013, 57, 2424-2425.	3.2	28
103	Highly diverse and antimicrobial susceptible Escherichia coli display a naÃ¯ve bacterial population in fruit bats from the Republic of Congo. PLoS ONE, 2017, 12, e0178146.	2.5	28
104	Dissemination of pheU- and pheV-located genomic islands among enteropathogenic (EPEC) and enterohemorrhagic (EHEC) E. coli and their possible role in the horizontal transfer of the locus of enterocyte effacement (LEE). International Journal of Medical Microbiology, 2003, 292, 463-475.	3.6	27
105	Mallard ducks â€“ a waterfowl species with high risk of distributing Escherichia coli pathogenic for humans. Environmental Microbiology Reports, 2009, 1, 510-517.	2.4	27
106	Risk factors for MRSA infection in companion animals: Results from a caseâ€“control study within Germany. International Journal of Medical Microbiology, 2014, 304, 787-793.	3.6	27
107	Perceptions and attitudes regarding antibiotic resistance in Germany: a cross-sectoral survey amongst physicians, veterinarians, farmers and the general public. Journal of Antimicrobial Chemotherapy, 2018, 73, 1984-1988.	3.0	27
108	Genomic and Functional Characterization of Poultry Escherichia coli From India Revealed Diverse Extended-Spectrum Î²-Lactamase-Producing Lineages With Shared Virulence Profiles. Frontiers in Microbiology, 2019, 10, 2766.	3.5	27

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109	Adherent-Invasive Escherichia coli Phenotype Displayed by Intestinal Pathogenic E. coli Strains from Cats, Dogs, and Swine. Applied and Environmental Microbiology, 2011, 77, 5813-5817.	3.1	26
110	Antimicrobial susceptibility of Escherichia coli from swine, horses, dogs and cats as determined in the BfT-GermVet monitoring program 2004-2006. Berliner Und Munchener Tierarztliche Wochenschrift, 2007, 120, 391-401.	0.7	26
111	Description of a Novel Intimin Variant (Type Î¶) in the Bovine O84:NM Verotoxin-Producing Escherichia coli Strain 537/89 and the Diagnostic Value of Intimin Typing. Experimental Biology and Medicine, 2003, 228, 370-376.	2.4	25
112	Presence of Clostridium difficile in poultry and poultry meat in Egypt. Anaerobe, 2018, 51, 21-25.	2.1	25
113	Oâ€acetyltransferase gene neuO is segregated according to phylogenetic background and contributes to environmental desiccation resistance in Escherichia coli K1. Environmental Microbiology, 2009, 11, 3154-3165.	3.8	24
114	Effects of Bacillus cereus var. toyoi on immune parameters of pregnant sows. Veterinary Immunology and Immunopathology, 2009, 127, 26-37.	1.2	24
115	Detection of blaCTX-M-15 extended-spectrum Î²-lactamase genes in Escherichia coli from hospital patients in Nigeria. International Journal of Antimicrobial Agents, 2010, 35, 206-207.	2.5	24
116	Analyses of intestinal commensal Escherichia coli strains from wild boars suggest adaptation to conventional pig production conditions. Veterinary Microbiology, 2012, 161, 122-129.	1.9	24
117	Globotriaosylceramide (Gb3/CD77) is synthesized and surface expressed by bovine lymphocytes upon activation in vitro. Veterinary Immunology and Immunopathology, 2001, 83, 19-36.	1.2	23
118	Description of a 111-kb pathogenicity island (PAI) encoding various virulence features in the enterohemorrhagic E. coli (EHEC) strain RW1374 (O103:H2) and detection of a similar PAI in other EHEC strains of serotype O103:H2. International Journal of Medical Microbiology, 2005, 294, 417-425.	3.6	23
119	Companion animals: a relevant source of extended-spectrum Î²-lactamase-producing fluoroquinolone-resistant Citrobacter freundii. International Journal of Antimicrobial Agents, 2011, 37, 86-87.	2.5	23
120	Genomic and Functional Portrait of a Highly Virulent, CTX-M-15-Producing H 30-Rx Subclone of Escherichia coli Sequence Type 131. Antimicrobial Agents and Chemotherapy, 2015, 59, 6087-6095.	3.2	23
121	Lysogenic conversion of atypical enteropathogenic Escherichia coli (aEPEC) from human, murine, and bovine origin with bacteriophage Î¦3538 Î”stx::cat proves their enterohemorrhagic E. coli (EHEC) progeny. International Journal of Medical Microbiology, 2018, 308, 890-898.	3.6	23
122	Staphylococcus aureus and MRSA colonization rates among personnel and dogs in a small animal hospital: association with nosocomial infections. Berliner Und Munchener Tierarztliche Wochenschrift, 2009, 122, 178-85.	0.7	23
123	Verotoxin 1 fromEscherichia coliAffects Gb₃/CD77⁺Bovine Lymphocytes Independent of Interleukin-2, Tumor Necrosis Factor-Î±, and Interferon-Î±. Experimental Biology and Medicine, 2003, 228, 377-386.	2.4	22
124	Comprehensive integrated NGS-based surveillance and contact-network modeling unravels transmission dynamics of vancomycin-resistant enterococci in a high-risk population within a tertiary care hospital. PLoS ONE, 2020, 15, e0235160.	2.5	21
125	Enterohemorrhagic Escherichia coli (EHEC) Strains of Serogroup O118 Display Three Distinctive Clonal Groups of EHEC Pathogens. Journal of Clinical Microbiology, 2000, 38, 2162-2169.	3.9	21
126	Real-time PCR assay for the detection of species of the genus Mannheimia. Journal of Microbiological Methods, 2008, 75, 75-80.	1.6	20

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127	Effects of a Four-Week High-Dosage Zinc Oxide Supplemented Diet on Commensal Escherichia coli of Weaned Pigs. Frontiers in Microbiology, 2019, 10, 2734.	3.5	20
128	Naturally Occurring Clostridium perfringens Nontoxic Alpha-Toxin Variant as a Potential Vaccine Candidate against Alpha-Toxin-Associated Diseases. Infection and Immunity, 2001, 69, 7194-7196.	2.2	19
129	ESBL-plasmids carrying toxin-antitoxin systems can be â€œcuredâ€•of wild-type Escherichia coli using a heat technique. Gut Pathogens, 2013, 5, 34.	3.4	19
130	Molecular Genetic and Functional Analysis of pks-Harboring, Extra-Intestinal Pathogenic Escherichia coli From India. Frontiers in Microbiology, 2018, 9, 2631.	3.5	19
131	Comparative study on the high pressure inactivation behavior of the Shiga toxin-producing Escherichia coli O104:H4 and O157:H7 outbreak strains and a non-pathogenic surrogate. Food Microbiology, 2015, 46, 184-194.	4.2	18
132	Identification and characterization of â€œpathoadaptive mutationsâ€•of the cadBA operon in several intestinal Escherichia coli. International Journal of Medical Microbiology, 2006, 296, 547-552.	3.6	17
133	The GimA Locus of Extraintestinal Pathogenic E. coli: Does Reductive Evolution Correlate with Habitat and Pathotype?. PLoS ONE, 2010, 5, e10877.	2.5	17
134	Effects of Ex Vivo Infection with ETEC on Jejunal Barrier Properties and Cytokine Expression in Probiotic-Supplemented Pigs. Digestive Diseases and Sciences, 2017, 62, 922-933.	2.3	17
135	Molecular characteristics ofEscherichia coli serogroup O78 strains isolated from diarrheal cases in bovines urge further investigations on their zoonotic potential. Molecular Nutrition and Food Research, 2004, 48, 504-514.	3.3	16
136	YjjQ Represses Transcription of flhDC and Additional Loci in Escherichia coli. Journal of Bacteriology, 2015, 197, 2713-2720.	2.2	16
137	Beta-hemolytic Streptococcus dysgalactiae strains isolated from horses are a genetically distinct population within the Streptococcus dysgalactiae taxon. Scientific Reports, 2016, 6, 31736.	3.3	16
138	First report of two complete Clostridium chauvoei genome sequences and detailed in silico genome analysis. Infection, Genetics and Evolution, 2017, 54, 287-298.	2.3	16
139	Longitudinal prevalence study of diarrheagenic Escherichia coli in dairy calves. Berliner Und Munchener Tierarztliche Wochenschrift, 2007, 120, 296-306.	0.7	16
140	Porcine E. coli: Virulence-Associated Genes, Resistance Genes and Adhesion and Probiotic Activity Tested by a New Screening Method. PLoS ONE, 2013, 8, e59242.	2.5	15
141	Immunization with an alphatoxin variant 121A/91-R212H protects mice against Clostridium perfringens alphatoxin. Anaerobe, 2006, 12, 44-48.	2.1	14
142	Intestinal colonization with extended-spectrum beta-lactamase producing Enterobacterales (ESBL-PE) during long distance travel: A cohort study in a German travel clinic (2016â€“2017). Travel Medicine and Infectious Disease, 2020, 33, 101521.	3.0	14
143	A Look into the Melting Pot: The mecC-Harboring Region Is a Recombination Hot Spot in Staphylococcus stepanovicii. PLoS ONE, 2016, 11, e0147150.	2.5	13
144	Evidence for Contemporary Switching of the O-Antigen Gene Cluster between Shiga Toxin-Producing Escherichia coli Strains Colonizing Cattle. Frontiers in Microbiology, 2017, 8, 424.	3.5	13

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145	Novel Avian Pathogenic Escherichia coli Genes Responsible for Adhesion to Chicken and Human Cell Lines. Applied and Environmental Microbiology, 2020, 86, .	3.1	13
146	Origin and Global Expansion of Mycobacterium tuberculosis Complex Lineage 3. Genes, 2022, 13, 990.	2.4	13
147	Enterobacteriaceae populations during experimental Salmonella infection in pigs. Veterinary Microbiology, 2010, 142, 352-360.	1.9	12
148	Detection of Shiga toxin- and extended-spectrum Â-lactamase-producing Escherichia coli O145:NM and Ont:NM from calves with diarrhoea. Journal of Antimicrobial Chemotherapy, 2014, 69, 2005-2007.	3.0	12
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150	Silence as a way of niche adaptation: mecC-MRSA with variations in the accessory gene regulator (agr) functionality express kaleidoscopic phenotypes. Scientific Reports, 2020, 10, 14787.	3.3	11
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