

# Lothar H Wieler

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176 papers	9,351 citations	49 h-index	90 g-index
188 ext. papers	11,081 ext. citations	5.8 avg, IF	5.76 L-index

#	Paper	IF	Citations
176	Origin and Global Expansion of Mycobacterium tuberculosis Complex Lineage 3. <i>Genes</i> , <b>2022</b> , 13, 990	4.2	1
175	First Comparative Analysis of Genomes Provides Insights Into the Taxonomy, Species Genetic Diversity, and Virulence Related to Gas Gangrene.. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 771945	5.7	
174	A Real-Time Thermal Sensor System for Quantifying the Inhibitory Effect of Antimicrobial Peptides on Bacterial Adhesion and Biofilm Formation. <i>Sensors</i> , <b>2021</b> , 21,	3.8	2
173	Evolutionary Dynamics Based on Comparative Genomics of Pathogenic Escherichia coli Lineages Harboring Polyketide Synthase () Island. <i>MBio</i> , <b>2021</b> , 12,	7.8	3
172	Genome Sequence Analysis of Strains of European Origin and Evaluation of Typing Options for Outbreak Investigations. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 732106	5.7	1
171	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. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235160	3.7	10
170	Influenza-associated pneumonia as reference to assess seriousness of coronavirus disease (COVID-19). <i>Eurosurveillance</i> , <b>2020</b> , 25,	19.8	33
169	High-Zinc Supplementation of Weaned Piglets Affects Frequencies of Virulence and Bacteriocin Associated Genes Among Intestinal Populations. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 614513	3.1	4
168	One Health <b>2020</b> , 45-49		
167	Intestinal colonization with extended-spectrum beta-lactamase producing Enterobacterales (ESBL-PE) during long distance travel: A cohort study in a German travel clinic (2016-2017). <i>Travel Medicine and Infectious Disease</i> , <b>2020</b> , 33, 101521	8.4	7
166	Novel Avian Pathogenic Escherichia coli Genes Responsible for Adhesion to Chicken and Human Cell Lines. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	4
165	Silence as a way of niche adaptation: mecC-MRSA with variations in the accessory gene regulator (agr) functionality express kaleidoscopic phenotypes. <i>Scientific Reports</i> , <b>2020</b> , 10, 14787	4.9	4
164	Genomic and Functional Analysis of Emerging Virulent and Multidrug-Resistant Lineage Sequence Type 648. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	41
163	Adaptation of host transmission cycle during Clostridium difficile speciation. <i>Nature Genetics</i> , <b>2019</b> , 51, 1315-1320	36.3	25
162	The gut microbiome of horses: current research on equine enteral microbiota and future perspectives. <i>Animal Microbiome</i> , <b>2019</b> , 1, 14	4.1	23
161	Comparison of different technologies for the decipherment of the whole genome sequence of BFR-CA-14430. <i>Gut Pathogens</i> , <b>2019</b> , 11, 59	5.4	1
160	Effects of a Four-Week High-Dosage Zinc Oxide Supplemented Diet on Commensal of Weaned Pigs. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2734	5.7	7

159	Genomic and Functional Characterization of Poultry From India Revealed Diverse Extended-Spectrum $\beta$ -Lactamase-Producing Lineages With Shared Virulence Profiles. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2766	5.7	15
158	A Core Genome Multilocus Sequence Typing Scheme for <i>Enterococcus faecalis</i> . <i>Journal of Clinical Microbiology</i> , <b>2019</b> , 57,	9.7	22
157	Perceptions and attitudes regarding antibiotic resistance in Germany: a cross-sectoral survey amongst physicians, veterinarians, farmers and the general public. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 1984-1988	5.1	18
156	Germany's expanding role in global health. <i>Lancet, The</i> , <b>2018</b> , 391, 657	4.0	4
155	Presence of <i>Clostridium difficile</i> in poultry and poultry meat in Egypt. <i>Anaerobe</i> , <b>2018</b> , 51, 21-25	2.8	19
154	Analysis of mutations in <i>pncA</i> reveals non-overlapping patterns among various lineages of <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , <b>2018</b> , 8, 4628	4.9	4
153	Lysogenic conversion of atypical enteropathogenic <i>Escherichia coli</i> (aEPEC) from human, murine, and bovine origin with bacteriophage $\phi$ 538 $\phi$ tx::cat proves their enterohemorrhagic <i>E. coli</i> (EHEC) progeny. <i>International Journal of Medical Microbiology</i> , <b>2018</b> , 308, 890-898	3.7	9
152	ESBL-plasmid carriage in enhances in vitro bacterial competition fitness and serum resistance in some strains of pandemic sequence types without overall fitness cost. <i>Gut Pathogens</i> , <b>2018</b> , 10, 24	5.4	18
151	Clinically Relevant ESBL-Producing ST307 and ST38 in an Urban West African Rat Population. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 150	5.7	26
150	Smear Microscopy for Diagnosis of Pulmonary Tuberculosis in Eastern Sudan. <i>Tuberculosis Research and Treatment</i> , <b>2018</b> , 2018, 8038137	2.1	2
149	Microevolution of epidemiological highly relevant non-O157 enterohemorrhagic <i>Escherichia coli</i> of serogroups O26 and O111. <i>International Journal of Medical Microbiology</i> , <b>2018</b> , 308, 1085-1095	3.7	2
148	High dietary zinc feeding promotes persistence of multi-resistant <i>E. coli</i> in the swine gut. <i>PLoS ONE</i> , <b>2018</b> , 13, e0191660	3.7	33
147	The PGRS Domain of <i>Mycobacterium tuberculosis</i> PE_PGRS Protein Rv0297 Is Involved in Endoplasmic Reticulum Stress-Mediated Apoptosis through Toll-Like Receptor 4. <i>MBio</i> , <b>2018</b> , 9,	7.8	36
146	The zoonotic potential of <i>Clostridium difficile</i> from small companion animals and their owners. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193411	3.7	37
145	Antibiotic resistance, the 3As and the road ahead. <i>Gut Pathogens</i> , <b>2018</b> , 10, 52	5.4	6
144	Molecular Genetic and Functional Analysis of $\lambda$ -Harboring, Extra-Intestinal Pathogenic From India. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2631	5.7	10
143	Determination of virulence and fitness genes associated with the $\lambda$ and integration sites of LEE-negative food-borne Shiga toxin-producing strains. <i>Gut Pathogens</i> , <b>2018</b> , 10, 43	5.4	2
142	Chromosomally encoded ESBL genes in <i>Escherichia coli</i> of ST38 from Mongolian wild birds. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2017</b> , 72, 1310-1313	5.1	47

141	Effects of Ex Vivo Infection with ETEC on Jejunal Barrier Properties and Cytokine Expression in Probiotic-Supplemented Pigs. <i>Digestive Diseases and Sciences</i> , <b>2017</b> , 62, 922-933	4	13
140	First report of two complete <i>Clostridium chauvoei</i> genome sequences and detailed in silico genome analysis. <i>Infection, Genetics and Evolution</i> , <b>2017</b> , 54, 287-298	4.5	14
139	Persistent anthrax as a major driver of wildlife mortality in a tropical rainforest. <i>Nature</i> , <b>2017</b> , 548, 82-86	5.4	63
138	Comparative Genomics of Isolated from Skin and Soft Tissue and Other Extraintestinal Infections. <i>MBio</i> , <b>2017</b> , 8,	7.8	21
137	Comparative Genomic Analysis of Globally Dominant ST131 Clone with Other Epidemiologically Successful Extraintestinal Pathogenic (ExPEC) Lineages. <i>MBio</i> , <b>2017</b> , 8,	7.8	53
136	Evidence for Contemporary Switching of the O-Antigen Gene Cluster between Shiga Toxin-Producing Strains Colonizing Cattle. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 424	5.7	7
135	Risk of Transmission of Antimicrobial Resistant from Commercial Broiler and Free-Range Retail Chicken in India. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2120	5.7	42
134	Highly diverse and antimicrobial susceptible <i>Escherichia coli</i> display a naïve bacterial population in fruit bats from the Republic of Congo. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178146	3.7	19
133	SLIMM: species level identification of microorganisms from metagenomes. <i>PeerJ</i> , <b>2017</b> , 5, e3138	3.1	20
132	Beta-hemolytic <i>Streptococcus dysgalactiae</i> strains isolated from horses are a genetically distinct population within the <i>Streptococcus dysgalactiae</i> taxon. <i>Scientific Reports</i> , <b>2016</b> , 6, 31736	4.9	8
131	Clonal spread and interspecies transmission of clinically relevant ESBL-producing <i>Escherichia coli</i> of ST410--another successful pandemic clone?. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92,	4.3	77
130	Carriage of Extended-Spectrum Beta-Lactamase-Plasmids Does Not Reduce Fitness but Enhances Virulence in Some Strains of Pandemic <i>E. coli</i> Lineages. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 336	5.7	61
129	Combined Analysis of Variation in Core, Accessory and Regulatory Genome Regions Provides a Super-Resolution View into the Evolution of Bacterial Populations. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006280	6	117
128	A Look into the Melting Pot: The <i>mecC</i> -Harboring Region Is a Recombination Hot Spot in <i>Staphylococcus stepanovicii</i> . <i>PLoS ONE</i> , <b>2016</b> , 11, e0147150	3.7	10
127	The Accessory Genome of Shiga Toxin-Producing <i>Escherichia coli</i> Defines a Persistent Colonization Type in Cattle. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 5455-64	4.8	21
126	High carriage rate of ESBL-producing Enterobacteriaceae at presentation and follow-up among travellers with gastrointestinal complaints returning from India and Southeast Asia. <i>Journal of Travel Medicine</i> , <b>2016</b> , 23, tav024	12.9	49
125	Molecular Epidemiology and Genome Dynamics of New Delhi Metallo-β-Lactamase-Producing Extraintestinal Pathogenic <i>Escherichia coli</i> Strains from India. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2016</b> , 60, 6795-6805	5.9	43
124	Highly Virulent Non-O157 Enterohemorrhagic <i>Escherichia coli</i> (EHEC) Serotypes Reflect Similar Phylogenetic Lineages, Providing New Insights into the Evolution of EHEC. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 7041-7	4.8	33

123	Genomic and Functional Portrait of a Highly Virulent, CTX-M-15-Producing H30-Rx Subclone of Escherichia coli Sequence Type 131. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 6087-95	5.9	19
122	Inactivation of Shiga toxin-producing Escherichia coli O104:H4 using cold atmospheric pressure plasma. <i>Journal of Bioscience and Bioengineering</i> , <b>2015</b> , 120, 275-9	3.3	32
121	YjjQ Represses Transcription of flhDC and Additional Loci in Escherichia coli. <i>Journal of Bacteriology</i> , <b>2015</b> , 197, 2713-20	3.5	12
120	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. <i>Food Microbiology</i> , <b>2015</b> , 46, 184-194	6	16
119	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. <i>Infection Ecology and Epidemiology</i> , <b>2015</b> , 5, 25334	4.3	28
118	Livestock-Associated MRSA: The Impact on Humans. <i>Antibiotics</i> , <b>2015</b> , 4, 521-43	4.9	156
117	Species-wide whole genome sequencing reveals historical global spread and recent local persistence in Shigella flexneri. <i>ELife</i> , <b>2015</b> , 4, e07335	8.9	65
116	Probiotic Escherichia coli Nissle 1917 reduces growth, Shiga toxin expression, release and thus cytotoxicity of enterohemorrhagic Escherichia coli. <i>International Journal of Medical Microbiology</i> , <b>2015</b> , 305, 20-6	3.7	26
115	Infections With Multidrug-Resistant Bacteria—Has the Post-Antibiotic Era Arrived in Companion Animals? <b>2015</b> , 433-452		1
114	CTX-M-15-D-ST648 Escherichia coli from companion animals and horses: another pandemic clone combining multiresistance and extraintestinal virulence?. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 1224-30	5.1	124
113	Identification of enterotoxigenic Escherichia coli (ETEC) clades with long-term global distribution. <i>Nature Genetics</i> , <b>2014</b> , 46, 1321-6	36.3	134
112	Detection of Shiga toxin- and extended-spectrum lactamase-producing Escherichia coli O145:NM and Ont:NM from calves with diarrhoea. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 2005-7	5.1	12
111	Extraintestinal pathogenic Escherichia coli (ExPEC) of human and avian origin belonging to sequence type complex 95 (STC95) portray indistinguishable virulence features. <i>International Journal of Medical Microbiology</i> , <b>2014</b> , 304, 835-42	3.7	43
110	Relevance of Campylobacter to public health—the need for a One Health approach. <i>International Journal of Medical Microbiology</i> , <b>2014</b> , 304, 817-23	3.7	49
109	Risk factors for MRSA infection in companion animals: results from a case-control study within Germany. <i>International Journal of Medical Microbiology</i> , <b>2014</b> , 304, 787-93	3.7	15
108	A transgenic probiotic secreting a parasite immunomodulator for site-directed treatment of gut inflammation. <i>Molecular Therapy</i> , <b>2014</b> , 22, 1730-40	11.7	47
107	Cyclic-di-GMP signalling and biofilm-related properties of the Shiga toxin-producing 2011 German outbreak Escherichia coli O104:H4. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 1622-37	12	48
106	Alarming proportions of methicillin-resistant Staphylococcus aureus (MRSA) in wound samples from companion animals, Germany 2010-2012. <i>PLoS ONE</i> , <b>2014</b> , 9, e85656	3.7	71

105	Haemolysin of <i>Escherichia coli</i> in IBD: a potentiator of inflammatory activity in the colon. <i>Gut</i> , <b>2014</b> , 63, 1893-901	19.2	43
104	Role of F1C fimbriae, flagella, and secreted bacterial components in the inhibitory effect of probiotic <i>Escherichia coli</i> Nissle 1917 on atypical enteropathogenic <i>E. coli</i> infection. <i>Infection and Immunity</i> , <b>2014</b> , 82, 1801-12	3.7	27
103	Clonal spread of highly successful ST15-CTX-M-15 <i>Klebsiella pneumoniae</i> in companion animals and horses. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 2676-80	5.1	69
102	Correlation between the genomic o454-nlpD region polymorphisms, virulence gene equipment and phylogenetic group of extraintestinal <i>Escherichia coli</i> (ExPEC) enables pathotyping irrespective of host, disease and source of isolation. <i>Gut Pathogens</i> , <b>2014</b> , 6, 37	5.4	5
101	Phylogenetic analysis of <i>Staphylococcus aureus</i> CC398 reveals a sub-lineage epidemiologically associated with infections in horses. <i>PLoS ONE</i> , <b>2014</b> , 9, e88083	3.7	30
100	Feeding the probiotic <i>Enterococcus faecium</i> strain NCIMB 10415 to piglets specifically reduces the number of <i>Escherichia coli</i> pathotypes that adhere to the gut mucosa. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 7896-904	4.8	48
99	Timely approaches to identify probiotic species of the genus <i>Lactobacillus</i> . <i>Gut Pathogens</i> , <b>2013</b> , 5, 27	5.4	37
98	The broader context of antibiotic resistance: zinc feed supplementation of piglets increases the proportion of multi-resistant <i>Escherichia coli</i> in vivo. <i>International Journal of Medical Microbiology</i> , <b>2013</b> , 303, 396-403	3.7	106
97	Phylogenetic and molecular analysis of food-borne shiga toxin-producing <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 2731-40	4.8	33
96	Porcine <i>E. coli</i> : virulence-associated genes, resistance genes and adhesion and probiotic activity tested by a new screening method. <i>PLoS ONE</i> , <b>2013</b> , 8, e59242	3.7	14
95	ESBL-plasmids carrying toxin-antitoxin systems can be "cured" of wild-type <i>Escherichia coli</i> using a heat technique. <i>Gut Pathogens</i> , <b>2013</b> , 5, 34	5.4	15
94	Is fecal carriage of extended-spectrum- $\beta$ -lactamase-producing <i>Escherichia coli</i> in urban rats a risk for public health?. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2424-5	5.9	15
93	Genome Sequence of Porcine <i>Escherichia coli</i> Strain IMT8073, an Atypical Enteropathogenic <i>E. coli</i> Strain Isolated from a Piglet with Diarrhea. <i>Genome Announcements</i> , <b>2013</b> , 1,		2
92	Adhesion of human and animal <i>Escherichia coli</i> strains in association with their virulence-associated genes and phylogenetic origins. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 5814-29	4.8	38
91	Sequencing and functional annotation of avian pathogenic <i>Escherichia coli</i> serogroup O78 strains reveal the evolution of <i>E. coli</i> lineages pathogenic for poultry via distinct mechanisms. <i>Infection and Immunity</i> , <b>2013</b> , 81, 838-49	3.7	64
90	Pathotyping bla CTX-M <i>Escherichia coli</i> from Nigeria. <i>European Journal of Microbiology and Immunology</i> , <b>2013</b> , 3, 120-5	4.6	4
89	Analyses of intestinal commensal <i>Escherichia coli</i> strains from wild boars suggest adaptation to conventional pig production conditions. <i>Veterinary Microbiology</i> , <b>2012</b> , 161, 122-9	3.3	10
88	tkt1, located on a novel pathogenicity island, is prevalent in avian and human extraintestinal pathogenic <i>Escherichia coli</i> . <i>BMC Microbiology</i> , <b>2012</b> , 12, 51	4.5	8



87	On the Current Situation of Glanders in Various Districts of the Pakistani Punjab. <i>Journal of Equine Veterinary Science</i> , <b>2012</b> , 32, 783-787	1.2	4
86	Sharing more than friendship--nasal colonization with coagulase-positive staphylococci (CPS) and co-habitation aspects of dogs and their owners. <i>PLoS ONE</i> , <b>2012</b> , 7, e35197	3.7	83
85	Comparable high rates of extended-spectrum-beta-lactamase-producing <i>Escherichia coli</i> in birds of prey from Germany and Mongolia. <i>PLoS ONE</i> , <b>2012</b> , 7, e53039	3.7	90
84	MRSA variant in companion animals. <i>Emerging Infectious Diseases</i> , <b>2012</b> , 18, 2017-20	10.2	55
83	Multiresistant uropathogenic <i>Escherichia coli</i> 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-lactamase-producing lineage. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2012</b> , 56, 6358-65	5.9	66
82	Infections with avian pathogenic and fecal <i>Escherichia coli</i> strains display similar lung histopathology and macrophage apoptosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e41031	3.7	37
81	Frequent combination of antimicrobial multiresistance and extraintestinal pathogenicity in <i>Escherichia coli</i> isolates from urban rats ( <i>Rattus norvegicus</i> ) in Berlin, Germany. <i>PLoS ONE</i> , <b>2012</b> , 7, e50337	3.7	51
80	Companion animals: a relevant source of extended-spectrum lactamase-producing fluoroquinolone-resistant <i>Citrobacter freundii</i> . <i>International Journal of Antimicrobial Agents</i> , <b>2011</b> , 37, 86-7	14.3	21
79	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. <i>International Journal of Medical Microbiology</i> , <b>2011</b> , 301, 635-41	3.7	115
78	Virulence characteristics and genetic affinities of multiple drug resistant uropathogenic <i>Escherichia coli</i> from a semi urban locality in India. <i>PLoS ONE</i> , <b>2011</b> , 6, e18063	3.7	68
77	Extended-Spectrum Beta-Lactamases Producing <i>E. coli</i> in Wildlife, yet Another Form of Environmental Pollution?. <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 246	5.7	239
76	Antimicrobial susceptibilities and occurrence of resistance genes in bovine <i>Helicobacter</i> <i>ovis</i> isolates. <i>Veterinary Microbiology</i> , <b>2011</b> , 149, 488-91	3.3	4
75	No evidence of the Shiga toxin-producing <i>E. coli</i> O104:H4 outbreak strain or enteroaggregative <i>E. coli</i> (EAEC) found in cattle faeces in northern Germany, the hotspot of the 2011 HUS outbreak area. <i>Gut Pathogens</i> , <b>2011</b> , 3, 17	5.4	48
74	Adherent-invasive <i>Escherichia coli</i> phenotype displayed by intestinal pathogenic <i>E. coli</i> strains from cats, dogs, and swine. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 5813-7	4.8	19
73	<i>E. coli</i> Nissle 1917 Affects <i>Salmonella</i> adhesion to porcine intestinal epithelial cells. <i>PLoS ONE</i> , <b>2011</b> , 6, e14712	3.7	37
72	Extended-spectrum beta-lactamases-producing gram-negative bacteria in companion animals: action is clearly warranted!. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , <b>2011</b> , 124, 94-101		32
71	The GimA locus of extraintestinal pathogenic <i>E. coli</i> : does reductive evolution correlate with habitat and pathotype?. <i>PLoS ONE</i> , <b>2010</b> , 5, e10877	3.7	16
70	Detection of pandemic B2-O25-ST131 <i>Escherichia coli</i> harbouring the CTX-M-9 extended-spectrum beta-lactamase type in a feral urban brown rat ( <i>Rattus norvegicus</i> ). <i>Journal of Antimicrobial Chemotherapy</i> , <b>2010</b> , 65, 582-4	5.1	43

69	Identification of protective and broadly conserved vaccine antigens from the genome of extraintestinal pathogenic <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 9072-7	11.5	197
68	Emergence of human pandemic O25:H4-ST131 CTX-M-15 extended-spectrum-beta-lactamase-producing <i>Escherichia coli</i> among companion animals. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2010</b> , 65, 651-60	5.1	205
67	Detection of bla(CTX-M-15) extended-spectrum beta-lactamase genes in <i>Escherichia coli</i> from hospital patients in Nigeria. <i>International Journal of Antimicrobial Agents</i> , <b>2010</b> , 35, 206-7	14.3	19
66	CTX-M-15-type extended-spectrum beta-lactamases-producing <i>Escherichia coli</i> from wild birds in Germany. <i>Environmental Microbiology Reports</i> , <b>2010</b> , 2, 641-5	3.7	46
65	First insights into antimicrobial resistance among faecal <i>Escherichia coli</i> isolates from small wild mammals in rural areas. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 3519-22	10.2	50
64	Enterobacteriaceae populations during experimental <i>Salmonella</i> infection in pigs. <i>Veterinary Microbiology</i> , <b>2010</b> , 142, 352-60	3.3	10
63	Antimicrobial resistance profiles of <i>Escherichia coli</i> from common European wild bird species. <i>Veterinary Microbiology</i> , <b>2010</b> , 144, 219-25	3.3	81
62	Widespread rapid emergence of a distinct methicillin- and multidrug-resistant <i>Staphylococcus pseudintermedius</i> (MRSP) genetic lineage in Europe. <i>Veterinary Microbiology</i> , <b>2010</b> , 144, 340-6	3.3	89
61	Shiga toxin producing <i>Escherichia coli</i> : identification of non-O157:H7-Super-Shedding cows and related risk factors. <i>Gut Pathogens</i> , <b>2010</b> , 2, 7	5.4	47
60	Multidrug- and methicillin resistant <i>Staphylococcus pseudintermedius</i> as a cause of canine pyoderma: a case report. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , <b>2010</b> , 123, 353-8		9
59	Signature-tagged mutagenesis in a chicken infection model leads to the identification of a novel avian pathogenic <i>Escherichia coli</i> fimbrial adhesin. <i>PLoS ONE</i> , <b>2009</b> , 4, e7796	3.7	40
58	Comparative molecular analysis substantiates zoonotic potential of equine methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Clinical Microbiology</i> , <b>2009</b> , 47, 704-10	9.7	90
57	Influence of a probiotic strain of <i>Enterococcus faecium</i> on <i>Salmonella enterica</i> serovar Typhimurium DT104 infection in a porcine animal infection model. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 2621-8	4.8	81
56	Isolation and characterization of intestinal <i>Escherichia coli</i> clones from wild boars in Germany. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 695-702	4.8	42
55	Prevalence of Methicillin-resistant <i>Staphylococcus pseudintermedius</i> isolated from clinical samples of companion animals and equidae. <i>Veterinary Microbiology</i> , <b>2009</b> , 136, 197-201	3.3	122
54	Genetic diversity of porcine <i>Pasteurella multocida</i> strains from the respiratory tract of healthy and diseased swine. <i>Veterinary Microbiology</i> , <b>2009</b> , 139, 97-105	3.3	45
53	Antimicrobial resistances do not affect colonization parameters of intestinal <i>E. coli</i> in a small piglet group. <i>Gut Pathogens</i> , <b>2009</b> , 1, 18	5.4	8
52	Adhesive threads of extraintestinal pathogenic <i>Escherichia coli</i> . <i>Gut Pathogens</i> , <b>2009</b> , 1, 22	5.4	75



51	O-acetyltransferase gene neuO is segregated according to phylogenetic background and contributes to environmental desiccation resistance in Escherichia coli K1. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 3154-65	5.2	21
50	Effects of Bacillus cereus var. toyoi on immune parameters of pregnant sows. <i>Veterinary Immunology and Immunopathology</i> , <b>2009</b> , 127, 26-37	2	21
49	Intestine and environment of the chicken as reservoirs for extraintestinal pathogenic Escherichia coli strains with zoonotic potential. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 184-92	4.8	167
48	Mallard ducks - a waterfowl species with high risk of distributing Escherichia coli pathogenic for humans. <i>Environmental Microbiology Reports</i> , <b>2009</b> , 1, 510-7	3.7	24
47	Phylogeny and disease association of Shiga toxin-producing Escherichia coli O91. <i>Emerging Infectious Diseases</i> , <b>2009</b> , 15, 1474-7	10.2	42
46	Staphylococcus aureus and MRSA colonization rates among personnel and dogs in a small animal hospital: association with nosocomial infections. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , <b>2009</b> , 122, 178-85		20
45	Fluorescence in situ hybridization (FISH) analysis of the interactions between honeybee larvae and Paenibacillus larvae, the causative agent of American foulbrood of honeybees (Apis mellifera). <i>Environmental Microbiology</i> , <b>2008</b> , 10, 1612-20	5.2	103
44	ExPEC-typical virulence-associated genes correlate with successful colonization by intestinal E. coli in a small piglet group. <i>Environmental Microbiology</i> , <b>2008</b> , 10, 1742-51	5.2	44
43	Methicillin-resistant Staphylococcus aureus (MRSA) isolated from small and exotic animals at a university hospital during routine microbiological examinations. <i>Veterinary Microbiology</i> , <b>2008</b> , 127, 171-83	3.3	99
42	Association of Treponema spp. with canine periodontitis. <i>Veterinary Microbiology</i> , <b>2008</b> , 127, 334-42	3.3	25
41	High prevalence of treponemes in bovine digital dermatitis-a molecular epidemiology. <i>Veterinary Microbiology</i> , <b>2008</b> , 131, 293-300	3.3	65
40	The chicken as a natural model for extraintestinal infections caused by avian pathogenic Escherichia coli (APEC). <i>Microbial Pathogenesis</i> , <b>2008</b> , 45, 361-9	3.8	80
39	Real-time PCR assay for the detection of species of the genus Mannheimia. <i>Journal of Microbiological Methods</i> , <b>2008</b> , 75, 75-80	2.8	18
38	Detection of Trichinella spiralis, T. britovi and T. pseudospiralis in muscle tissue with real-time PCR. <i>Journal of Microbiological Methods</i> , <b>2008</b> , 75, 287-92	2.8	29
37	Characterization of a yjjQ mutant of avian pathogenic Escherichia coli (APEC). <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 1082-1093	2.9	26
36	Helcococcus ovis, an emerging pathogen in bovine valvular endocarditis. <i>Journal of Clinical Microbiology</i> , <b>2008</b> , 46, 3291-5	9.7	35
35	Composition of intestinal Enterobacteriaceae populations of healthy domestic pigs. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 3830-3837	2.9	57
34	Bacillus cereus var. toyoi enhanced systemic immune response in piglets. <i>Veterinary Immunology and Immunopathology</i> , <b>2007</b> , 118, 1-11	2	44

33	Avian pathogenic, uropathogenic, and newborn meningitis-causing <i>Escherichia coli</i> : how closely related are they?. <i>International Journal of Medical Microbiology</i> , <b>2007</b> , 297, 163-76	3.7	362
32	Longitudinal prevalence study of diarrheagenic <i>Escherichia coli</i> in dairy calves. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , <b>2007</b> , 120, 296-306		16
31	Antimicrobial susceptibility of <i>Escherichia coli</i> from swine, horses, dogs and cats as determined in the BfT-GermVet monitoring program 2004-2006. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , <b>2007</b> , 120, 391-401		24
30	Virulence genotype of <i>Pasteurella multocida</i> strains isolated from different hosts with various disease status. <i>Veterinary Microbiology</i> , <b>2006</b> , 114, 304-17	3.3	136
29	Immunization with an alphatoxin variant 121A/91-R212H protects mice against <i>Clostridium perfringens</i> alphatoxin. <i>Anaerobe</i> , <b>2006</b> , 12, 44-8	2.8	13
28	Identification and characterization of "pathoadaptive mutations" of the <i>cadBA</i> operon in several intestinal <i>Escherichia coli</i> . <i>International Journal of Medical Microbiology</i> , <b>2006</b> , 296, 547-52	3.7	17
27	Sex and virulence in <i>Escherichia coli</i> : an evolutionary perspective. <i>Molecular Microbiology</i> , <b>2006</b> , 60, 1136-41	4.1	1426
26	Characterization of a porcine intestinal epithelial cell line for in vitro studies of microbial pathogenesis in swine. <i>Histochemistry and Cell Biology</i> , <b>2006</b> , 125, 293-305	2.4	273
25	Description of a 111-kb pathogenicity island (PAI) encoding various virulence features in the enterohemorrhagic <i>E. coli</i> (EHEC) strain RW1374 (O103:H2) and detection of a similar PAI in other EHEC strains of serotype O103:H2. <i>International Journal of Medical Microbiology</i> , <b>2005</b> , 294, 417-25	3.7	22
24	Long-term clonal lineages within <i>Campylobacter jejuni</i> O:2 strains from different geographical regions and hosts. <i>International Journal of Medical Microbiology</i> , <b>2005</b> , 294, 521-4	3.7	7
23	Shiga toxin 2e-producing <i>Escherichia coli</i> isolates from humans and pigs differ in their virulence profiles and interactions with intestinal epithelial cells. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 8855-63	4.8	88
22	<i>Treponema berlinense</i> sp. nov. and <i>Treponema porcinum</i> sp. nov., novel spirochaetes isolated from porcine faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2005</b> , 55, 1675-1680	2.2	30
21	Rapid detection of virulence-associated genes in avian pathogenic <i>Escherichia coli</i> by multiplex polymerase chain reaction. <i>Avian Diseases</i> , <b>2005</b> , 49, 269-73	1.6	113
20	Identification of genes required for avian <i>Escherichia coli</i> septicemia by signature-tagged mutagenesis. <i>Infection and Immunity</i> , <b>2005</b> , 73, 2818-27	3.7	97
19	Molecular epidemiology of avian pathogenic <i>Escherichia coli</i> (APEC) isolated from colisepticemia in poultry. <i>Veterinary Microbiology</i> , <b>2004</b> , 104, 91-101	3.3	177
18	Molecular characteristics of <i>Escherichia coli</i> serogroup O78 strains isolated from diarrheal cases in bovines urge further investigations on their zoonotic potential. <i>Molecular Nutrition and Food Research</i> , <b>2004</b> , 48, 504-14	5.9	12
17	Impact of the locus of enterocyte effacement pathogenicity island on the evolution of pathogenic <i>Escherichia coli</i> . <i>International Journal of Medical Microbiology</i> , <b>2004</b> , 294, 103-13	3.7	49
16	Verotoxin 1 from <i>Escherichia coli</i> affects Gb3/CD77+ bovine lymphocytes independent of interleukin-2, tumor necrosis factor-alpha, and interferon-alpha. <i>Experimental Biology and Medicine</i> , <b>2003</b> , 228, 377-86	3.7	20

15	Description of a novel intimin variant (type zeta) in the bovine O84:NM verotoxin-producing <i>Escherichia coli</i> strain 537/89 and the diagnostic value of intimin typing. <i>Experimental Biology and Medicine</i> , <b>2003</b> , 228, 370-6	3.7	24
14	National antibiotic resistance monitoring in veterinary pathogens from sick food-producing animals: the German programme and results from the 2001 pilot study. <i>International Journal of Antimicrobial Agents</i> , <b>2003</b> , 22, 420-8	14.3	27
13	Dissemination of pheU- and pheV-located genomic islands among enteropathogenic (EPEC) and enterohemorrhagic (EHEC) <i>E. coli</i> and their possible role in the horizontal transfer of the locus of enterocyte effacement (LEE). <i>International Journal of Medical Microbiology</i> , <b>2003</b> , 292, 463-75	3.7	27
12	STEC as a veterinary problem. Diagnostics and prophylaxis in animals. <i>Methods in Molecular Medicine</i> , <b>2003</b> , 73, 75-89		8
11	A novel locus of enterocyte effacement (LEE) pathogenicity island inserted at pheV in bovine Shiga toxin-producing <i>Escherichia coli</i> strain O103:H2. <i>FEMS Microbiology Letters</i> , <b>2001</b> , 204, 75-9	2.9	42
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9	Globotriaosylceramide (Gb(3)/CD77) is synthesized and surface expressed by bovine lymphocytes upon activation in vitro. <i>Veterinary Immunology and Immunopathology</i> , <b>2001</b> , 83, 19-36	2	19
8	A new Shiga toxin 2 variant (Stx2f) from <i>Escherichia coli</i> isolated from pigeons. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 1205-8	4.8	243
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6	Detection of <i>Borrelia burgdorferi</i> in urine specimens from dogs by a nested polymerase chain reaction. <i>Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology</i> , <b>1998</b> , 287, 347-61		7
5	Neutralization of hemolytic and mouse lethal activities of <i>C. perfringens</i> alpha-toxin need simultaneous blockade of two epitopes by monoclonal antibodies. <i>Microbial Pathogenesis</i> , <b>1997</b> , 23, 1-10 <sup>3.8</sup>		9
4	Insertion site of the locus of enterocyte effacement in enteropathogenic and enterohemorrhagic <i>Escherichia coli</i> differs in relation to the clonal phylogeny of the strains. <i>FEMS Microbiology Letters</i> , <b>1997</b> , 156, 49-53	2.9	38
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