David M Gordon

List of Publications by Year
in descending order

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111 papers	7,734 citations	57758 44 h-index	54911 84 g-index
112 all docs	112 docs citations	112 times ranked	6666 citing authors

#	Article	IF	Citations
1	The <scp>C</scp>lermont <scp>E</scp>scherichia coli phyloâ€typing method revisited: improvement of specificity and detection of new phyloâ€groups. Environmental Microbiology Reports, 2013, 5, 58-65.	2.4	1,360
2	The ecological role of bacteriocins in bacterial competition. Trends in Microbiology, 1999, 7, 129-133.	7.7	335
3	The distribution and genetic structure of Escherichia coli in Australian vertebrates: host and geographic effects. Microbiology (United Kingdom), 2003, 149, 3575-3586.	1.8	303
4	Genome sequencing of environmental Escherichia coli expands understanding of the ecology and speciation of the model bacterial species. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7200-7205.	7.1	279
5	The population genetics of pathogenic Escherichia coli. Nature Reviews Microbiology, 2021, 19, 37-54.	28.6	268
6	Assigning Escherichia coli strains to phylogenetic groups: multiâ€locus sequence typing versus the PCR triplex method. Environmental Microbiology, 2008, 10, 2484-2496.	3.8	253
7	Cryptic Lineages of the Genus Escherichia. Applied and Environmental Microbiology, 2009, 75, 6534-6544.	3.1	233
8	Extended-Spectrum Î²-Lactamaseâ€“Producing Escherichia coli From Retail Chicken Meat and Humans: Comparison of Strains, Plasmids, Resistance Genes, and Virulence Factors. Clinical Infectious Diseases, 2013, 56, 478-487.	5.8	233
9	Variability in the abundance of animal and plant species. Nature, 1982, 296, 245-248.	27.8	229
10	Characterization and rapid identification of phylogroup G in Escherichia coli, a lineage with high virulence and antibiotic resistance potential. Environmental Microbiology, 2019, 21, 3107-3117.	3.8	152
11	The genetic structure of Escherichia coli populations in primary and secondary habitats. Microbiology (United Kingdom), 2002, 148, 1513-1522.	1.8	142
12	Guide to the various phylogenetic classification schemes for Escherichia coli and the correspondence among schemes. Microbiology (United Kingdom), 2015, 161, 980-988.	1.8	139
13	Geographical structure and host specificity in bacteria and the implications for tracing the source of coliform contamination. Microbiology (United Kingdom), 2001, 147, 1079-1085.	1.8	136
14	Bacteriocin diversity and the frequency of multiple bacteriocin production in Escherichia coli. Microbiology (United Kingdom), 2006, 152, 3239-3244.	1.8	131
15	Phylogenetic background and habitat drive the genetic diversification of Escherichia coli. PLoS Genetics, 2020, 16, e1008866.	3.5	131
16	Comparative genomics of Crohn's disease-associated adherent-invasiveEscherichia coli. Gut, 2017, 66, 1382-1389.	12.1	114
17	Escherichia albertiiin Wild and Domestic Birds. Emerging Infectious Diseases, 2010, 16, 638-646.	4.3	111
18	A molecular phylogeny of enteric bacteria and implications for a bacterial species concept. Journal of Evolutionary Biology, 2003, 16, 1236-1248.	1.7	109

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19	Characterization of the cryptic Escherichia lineages: rapid identification and prevalence. Environmental Microbiology, 2011, 13, 2468-2477.	3.8	103
20	Phenotypic and genotypic characterization of encapsulated Escherichia coli isolated from blooms in two Australian lakes. Environmental Microbiology, 2005, 7, 631-640.	3.8	98
21	First detection of extended-spectrum cephalosporin- and fluoroquinolone-resistant Escherichia coli in Australian food-producing animals. Journal of Global Antimicrobial Resistance, 2015, 3, 273-277.	2.2	96
22	Rhizopinesâ€"Their role in symbiosis and competition. Soil Biology and Biochemistry, 1995, 27, 525-529.	8.8	91
23	Influence of the age and sex of human hosts on the distribution of Escherichia coli ECOR groups and virulence traits. Microbiology (United Kingdom), 2005, 151, 15-23.	1.8	87
24	Possible evidence for mortality induced by the parasite Apatemon gracilis in a population of brook sticklebacks (Culaea inconstans). Parasitology, 1982, 84, 41-47.	1.5	86
25	Evidence for a humanâ€specific Escherichia coli clone. Environmental Microbiology, 2008, 10, 1000-1006.	3.8	86
26	A theoretical and experimental analysis of bacterial growth in the bladder. Molecular Microbiology, 1992, 6, 555-562.	2.5	85
27	Social networks and the spread of Salmonella in a sleepy lizard population. Molecular Ecology, 2012, 21, 4386-4392.	3.9	84
28	The distribution of enteric bacteria from Australian mammals: host and geographical effects. Microbiology (United Kingdom), 1999, 145, 2663-2671.	1.8	73
29	Temporal changes in the frequency of colicinogeny in Escherichia coli from house mice. Microbiology (United Kingdom), 1998, 144, 2233-2240.	1.8	71
30	Variations in antibiotic resistance profile in Enterobacteriaceae isolated from wild Australian mammals. Environmental Microbiology, 2000, 2, 620-631.	3.8	70
31	Development of an allele-specific PCR for Escherichia coli B2 sub-typing, a rapid and easy to perform substitute of multilocus sequence typing. Journal of Microbiological Methods, 2014, 101, 24-27.	1.6	70
32	A phylogenetic approach to assessing the targets of microbial warfare. Journal of Evolutionary Biology, 2003, 16, 690-697.	1.7	65
33	A theoretical and empirical investigation of the invasion dynamics of colicinogeny. Microbiology (United Kingdom), 1999, 145, 655-661.	1.8	60
34	Detection of bacterial DNA in lymph nodes of Crohn's disease patients using high throughput sequencing. Gut, 2014, 63, 1596-1606.	12.1	60
35	An Experimental Test of the Rhizopine Concept in Rhizobium meliloti. Applied and Environmental Microbiology, 1996, 62, 3991-3996.	3.1	60
36	Species differences in plasmid carriage in the Enterobacteriaceae. Plasmid, 2003, 49, 79-85.	1.4	59

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37	Phylogenetic diversity, antimicrobial susceptibility and virulence characteristics of phylogroup F Escherichia coli in Australia. Microbiology (United Kingdom), 2016, 162, 1904-1912.	1.8	59
38	The genetic structure of Escherichia coli populations in feral house mice. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.8	56
39	Dissemination and persistence of extended-spectrum cephalosporin-resistance encoding IncI1-blaCTXM-1 plasmid among Escherichia coli in pigs. ISME Journal, 2018, 12, 2352-2362.	9.8	56
40	Human-associated fluoroquinolone-resistant Escherichia coli clonal lineages, including ST354, isolated from canine feces and extraintestinal infections in Australia. Microbes and Infection, 2015, 17, 266-274.	1.9	55
41	Diversity analysis of commensal porcine Escherichia coli â€“ associations between genotypes and habitat in the porcine gastrointestinal tract. Microbiology (United Kingdom), 2004, 150, 1735-1740.	1.8	54
42	<scp>E</scp>scherichia coli diversity in the lower intestinal tract of humans. Environmental Microbiology Reports, 2015, 7, 642-648.	2.4	52
43	Biofilm Formation by and Thermal Niche and Virulence Characteristics of Escherichia spp. Applied and Environmental Microbiology, 2011, 77, 2695-2700.	3.1	51
44	Experimental studies on the transmission dynamics of the cercariae of Echinoparyphium recurvatum (Digenea: Echinostomatidae). Parasitology, 1983, 87, 167-174.	1.5	50
45	Genetic Structure and Antimicrobial Resistance of Escherichia coli and Cryptic Clades in Birds with Diverse Human Associations. Applied and Environmental Microbiology, 2015, 81, 5123-5133.	3.1	49
46	Evolution of multi-resistance plasmids in Australian clinical isolates of Escherichia coli. Microbiology (United Kingdom), 2004, 150, 1539-1546.	1.8	48
47	The distribution of inositol rhizopine genes in Rhizobium populations. Soil Biology and Biochemistry, 1995, 27, 531-537.	8.8	44
48	Not all types of host contacts are equal when it comes to E. coli transmission. Ecology Letters, 2014, 17, 970-978.	6.4	44
49	Phylogenetic and molecular insights into the evolution of multidrug-resistant porcine enterotoxigenic Escherichia coli in Australia. International Journal of Antimicrobial Agents, 2014, 44, 105-111.	2.5	44
50	The genetic structure of enteric bacteria from Australian mammals. Microbiology (United Kingdom), 1999, 145, 2673-2682.	1.8	43
51	The ecology and evolution of bacteriocins. Journal of Industrial Microbiology, 1996, 17, 151-158.	0.9	42
52	Companion Animals Are Spillover Hosts of the Multidrug-Resistant Human Extraintestinal Escherichia coli Pandemic Clones ST131 and ST1193. Frontiers in Microbiology, 2020, 11, 1968.	3.5	38
53	Escherichia coli out in the cold: Dissemination of human-derived bacteria into the Antarctic microbiome. Environmental Pollution, 2016, 215, 58-65.	7.5	37
54	Genetic structure, antimicrobial resistance and frequency of human associated Escherichia coli sequence types among faecal isolates from healthy dogs and cats living in Canberra, Australia. PLoS ONE, 2019, 14, e0212867.	2.5	37

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55	Global Distribution and Epidemiologic Associations of Escherichia coli Clonal Group A, 1998â€“2007. Emerging Infectious Diseases, 2011, 17, 2001-9.	4.3	36
56	Rapid and Specific Detection of the Escherichia coli Sequence Type 648 Complex within Phylogroup F. Journal of Clinical Microbiology, 2017, 55, 1116-1121.	3.9	35
57	Sexâ€dependent competitive dominance of phylogenetic group <scp>B</scp>2 <scp>E</scp>scherichia coli strains within human hosts. Environmental Microbiology Reports, 2014, 6, 605-610.	2.4	34
58	An investigation of the ecology of the map turtle, Graptemys geographica (Le Sueur), in the northern part of its range. Canadian Journal of Zoology, 1980, 58, 2210-2219.	1.0	33
59	Escherichia coli Lacking RpoS Are Rare in Natural Populations of Non-Pathogens. G3: Genes, Genomes, Genetics, 2012, 2, 1341-1344.	1.8	33
60	The Diversity of Bacteriocins in Gram-Negative Bacteria. , 2007, , 5-18.		32
61	Fine-Scale Structure Analysis Shows Epidemic Patterns of Clonal Complex 95, a Cosmopolitan Escherichia coli Lineage Responsible for Extraintestinal Infection. MSphere, 2017, 2, .	2.9	32
62	Experimental observations on the specificity ofEchinoparyphium recurvatum toward second intermediate hosts. Zeitschrift FÃ¼r Parasitenkunde (Berlin, Germany), 1983, 69, 217-222.	0.8	29
63	Evolution of Microcin V and Colicin Ia Plasmids in Escherichia coli. Journal of Bacteriology, 2007, 189, 7045-7052.	2.2	28
64	Evolution of colicin BM plasmids: the loss of the colicin B activity gene. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.8	28
65	Coliform dynamics and the implications for source tracking. Environmental Microbiology, 2004, 6, 501-509.	3.8	27
66	A Naturally Occurring Novel Allele of Escherichia coli Outer Membrane Protein A Reduces Sensitivity to Bacteriophage. Applied and Environmental Microbiology, 2006, 72, 7930-7932.	3.1	25
67	High temporal variability in commensal <scp>E</scp>scherichia coli strain communities of a herbivorous marsupial. Environmental Microbiology, 2013, 15, 2162-2172.	3.8	24
68	Factors determining the functional response of the parasitoid Venturia canescens. Entomologia Experimentalis Et Applicata, 1989, 50, 3-6.	1.4	23
69	The Influence of Ecological Factors on the Distribution and the Genetic Structure of Escherichia coli. EcoSal Plus, 2004, 1, .	5.4	22
70	Host and geographical factors influence the thermal niche of enteric bacteria isolated from native Australian mammals. Molecular Ecology, 2001, 10, 2499-2513.	3.9	21
71	Genomic analysis of phylogenetic group B2 extraintestinal pathogenic E. coli causing infections in dogs in Australia. Veterinary Microbiology, 2020, 248, 108783.	1.9	20
72	Molecular Characterization of Commensal Escherichia coli Adapted to Different Compartments of the Porcine Gastrointestinal Tract. Applied and Environmental Microbiology, 2012, 78, 6799-6803.	3.1	19

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73	Effect of diet and gut dynamics on the establishment and persistence of Escherichia coli. Microbiology (United Kingdom), 2011, 157, 1375-1384.	1.8	18
74	Strain Typing and the Ecological Structure of Escherichia coli. Journal of AOAC INTERNATIONAL, 2010, 93, 974-984.	1.5	17
75	The genetic structure of Rhizobium populations. Soil Biology and Biochemistry, 1995, 27, 491-499.	8.8	16
76	Substructure within Salmonella enterica subsp. enterica Isolates from Australian Wildlife. Applied and Environmental Microbiology, 2011, 77, 3151-3153.	3.1	16
77	The E phylogroup of <scp>Escherichia coli</scp> is highly diverse and mimics the whole <scp>E. coli</scp> species population structure. Environmental Microbiology, 2021, 23, 7139-7151.	3.8	16
78	A rhizopine strain of Sinorhizobium meliloti remains at a competitive nodulation advantage after an extended period in the soil. Soil Biology and Biochemistry, 1999, 31, 1063-1065.	8.8	15
79	The potential of bacteriocin-producing probiotics and associated caveats. Future Microbiology, 2009, 4, 941-943.	2.0	15
80	Diversity and distribution of Klebsiella capsules in Escherichia coli. Environmental Microbiology Reports, 2019, 11, 107-117.	2.4	15
81	Genetic Attributes of E. coli Isolates from Chlorinated Drinking Water. PLoS ONE, 2017, 12, e0169445.	2.5	14
82	Host gastro-intestinal dynamics and the frequency of colicin production by Escherichia coli. Microbiology (United Kingdom), 2007, 153, 2823-2827.	1.8	13
83	Low prevalence of Salmonella enterica in Australian wildlife. Environmental Microbiology Reports, 2010, 2, 657-659.	2.4	13
84	Spatial Variation and Survival of Salmonella enterica Subspecies in a Population of Australian Sleepy Lizards (Tiliqua rugosa). Applied and Environmental Microbiology, 2015, 81, 5804-5811.	3.1	12
85	Genomic analysis of fluoroquinolone-susceptible phylogenetic group B2 extraintestinal pathogenic Escherichia coli causing infections in cats. Veterinary Microbiology, 2020, 245, 108685.	1.9	12
86	Bilateral asymmetry of Diplostomum infections in the eyes of lake whitefish Coregonm clupeaformis (Mitchill) and a computer simulation of the observed metacercarial distribution. Journal of Fish Diseases, 1979, 2, 291-297.	1.9	11
87	Overwintering of helminths in the garter snake (Thamnophis sirtalis sirtalis). Canadian Journal of Zoology, 1978, 56, 1765-1767.	1.0	10
88	Genetic and Ecological Structure of Hafnia alvei in Australia. Systematic and Applied Microbiology, 2003, 26, 585-594.	2.8	10
89	Effects of dispersal limitation in the face of intense selection via dietary intervention on the faecal microbiota of rats. Environmental Microbiology Reports, 2016, 8, 187-195.	2.4	10
90	The Niche ofEscherichia coli. , 0, , 67-89.		10

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91	The ecology of Escherichia coli. , 2013, , 3-20.		9
92	The influence of host dynamics on the clonal composition of Escherichia coli populations. Environmental Microbiology, 2002, 4, 306-313.	3.8	8
93	Withinâ€host evolution versus immigration as a determinant of Escherichia coli diversity in the human gastrointestinal tract. Environmental Microbiology, 2018, 20, 993-1001.	3.8	8
94	Host specificity among the helminth parasites of four species of snakes. Canadian Journal of Zoology, 1980, 58, 929-930.	1.0	6
95	Factors affecting the presence, genetic diversity and antimicrobial sensitivity of Escherichia coli in poultry meat samples collected from Canberra, Australia. Environmental Microbiology, 2018, 20, 1350-1361.	3.8	6
96	Molecular and metabolic characteristics of wastewater associated Escherichia coli strains. Environmental Microbiology Reports, 2022, 14, 646-654.	2.4	5
97	The frequency distribution of tetracotyles of Apatemon gracilis pellucidus (Yamaguti, 1933) in stickleback Culaea inconstans (Kirtland) populations of homogeneous age and size structure. Journal of Fish Diseases, 1978, 1, 259-263.	1.9	4
98	Functional genotypes are associated with commensal Escherichia coli strain abundance withinâ€host individuals and populations. Molecular Ecology, 2013, 22, 4112-4122.	3.9	3
99	Host litterâ€associated gut dynamics affect <scp>E</scp>scherichia coli abundance and adhesion genotype in rats. Environmental Microbiology Reports, 2015, 7, 583-589.	2.4	3
100	Strain typing and the ecological structure of Escherichia coli. Journal of AOAC INTERNATIONAL, 2010, 93, 974-84.	1.5	3
101	Prevalence, diversity and genetic structure of Escherichia coli isolates from septic tanks. Environmental Microbiology Reports, 2022, 14, 138-146.	2.4	3
102	A technique for the demonstration of the metacercariae of Apatemon gracilis pellucidus (Yamaguti,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1977, 55, 1200-1201.	1.0	1
103	Phenotypic characteristics contributing to the enhanced growth ofEscherichia colibloom strains. Environmental Microbiology Reports, 2019, 11, 817-824.	2.4	1
104	The Natural History of Bacteriocins. , 2016, , 1-10.		1
105	Novel Multiplex PCR Method and Genome Sequence-Based Analog for High-Resolution Subclonal Assignment and Characterization of Escherichia coli Sequence Type 131 Isolates. Microbiology Spectrum, 2022, 10, .	3.0	1
106	Functional genotypes are associated with commensal Escherichia coli strain abundance within host individuals and populations. Molecular Ecology, 2013, 22, 6197-6197.	3.9	0
107	Relative abundance of Mycobacterium in ovine Johne's disease. Microbiology Australia, 2015, 36, 32.	0.4	0
108	Phylogenetic background and habitat drive the genetic diversification of Escherichia coli. , 2020, 16, e1008866.		0

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109	Phylogenetic background and habitat drive the genetic diversification of Escherichia coli. , 2020, 16, e1008866.		0
110	Phylogenetic background and habitat drive the genetic diversification of Escherichia coli. , 2020, 16, e1008866.		0
111	Phylogenetic background and habitat drive the genetic diversification of Escherichia coli. , 2020, 16, e1008866.		0