Edward Topp

List of Publications by Year
in descending order

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205 papers	13,179 citations	25014 57 h-index	27389 106 g-index
210 all docs	210 docs citations	210 times ranked	12650 citing authors

#	Article	IF	Citations
1	Virulence Genotype and Phenotype of Multiple Antimicrobial-Resistant Escherichia coli Isolates from Broilers Assessed from a â€œOne-Healthâ€•Perspective. Journal of Food Protection, 2022, 85, 336-354.	0.8	7
2	Environmental contamination in a high-income country (France) by antibiotics, antibiotic-resistant bacteria, and antibiotic resistance genes: Status and possible causes. Environment International, 2022, 159, 107047.	4.8	70
3	Contamination of hay and haylage with enteric bacteria and selected antibiotic resistance genes following fertilization with dairy manure or biosolids. Canadian Journal of Microbiology, 2022, 68, 249-257.	0.8	3
4	Fate of Clostridia and other spore-forming Firmicute bacteria during feedstock anaerobic digestion and aerobic composting. Journal of Environmental Management, 2022, 309, 114643.	3.8	28
5	Responses of the Soil Bacterial Community, Resistome, and Mobilome to a Decade of Annual Exposure to Macrolide Antibiotics. Applied and Environmental Microbiology, 2022, 88, e0031622.	1.4	9
6	The Fate of Antibiotic-Resistant Bacteria in the Environment. Environmental Chemistry for A Sustainable World, 2021, , 207-260.	0.3	2
7	Resistance Determinants and Their Genetic Context in Enterobacteria from a Longitudinal Study of Pigs Reared under Various Husbandry Conditions. Applied and Environmental Microbiology, 2021, 87, .	1.4	14
8	CaptureSeq: Hybridization-Based Enrichment of cpn60 Gene Fragments Reveals the Community Structures of Synthetic and Natural Microbial Ecosystems. Microorganisms, 2021, 9, 816.	1.6	8
9	Antibiotic resistance in the soil ecosystem: A One Health perspective. Current Opinion in Environmental Science and Health, 2021, 20, 100230.	2.1	43
10	On-Farm Anaerobic Digestion of Dairy Manure Reduces the Abundance of Antibiotic Resistance-Associated Gene Targets and the Potential for Plasmid Transfer. Applied and Environmental Microbiology, 2021, 87, e0298020.	1.4	21
11	An omics-based framework for assessing the health risk of antimicrobial resistance genes. Nature Communications, 2021, 12, 4765.	5.8	248
12	Impact of chicken litter pre-application treatment on the abundance, field persistence, and transfer of antibiotic resistant bacteria and antibiotic resistance genes to vegetables. Science of the Total Environment, 2021, 801, 149718.	3.9	13
13	The potential of using E. coli as an indicator for the surveillance of antimicrobial resistance (AMR) in the environment. Current Opinion in Microbiology, 2021, 64, 152-158.	2.3	54
14	Diversity, Functions and Antibiotic Resistance of Sediment Microbial Communities From Lake Geneva Are Driven by the Spatial Distribution of Anthropogenic Contamination. Frontiers in Microbiology, 2021, 12, 738629.	1.5	8
15	Mobility of Î²-lactam resistance under ampicillin treatment in gut microbiota suffering from pre-disturbance. Microbial Genomics, 2021, 7, .	1.0	2
16	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. Environment International, 2020, 144, 106035.	4.8	55
17	Editorial: The Environmental Dimension of Antibiotic Resistance. FEMS Microbiology Ecology, 2020, 96, .	1.3	23
18	Mobility of Î²-Lactam Resistance Under Bacterial Co-infection and Ampicillin Treatment in a Mouse Model. Frontiers in Microbiology, 2020, 11, 1591.	1.5	5

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19	Composting of chicken litter from commercial broiler farms reduces the abundance of viable enteric bacteria, Firmicutes, and selected antibiotic resistance genes. Science of the Total Environment, 2020, 746, 141113.	3.9	29
20	Impacts of Short-Term Antibiotic Withdrawal and Long-Term Judicious Antibiotic Use on Resistance Gene Abundance and Cecal Microbiota Composition on Commercial Broiler Chicken Farms in QuÃ©bec. Frontiers in Veterinary Science, 2020, 7, 547181.	0.9	12
21	Real-time quantitative PCR assay development and application for assessment of agricultural surface water and various fecal matter for prevalence of Aliarcobacter faecis and Aliarcobacter lanthieri. BMC Microbiology, 2020, 20, 164.	1.3	7
22	Antibiotic Resistance in the Environment: Expert Perspectives. Handbook of Environmental Chemistry, 2020, , 1-18.	0.2	5
23	Editorial: Microbial Ecotoxicology. Frontiers in Microbiology, 2020, 11, 1342.	1.5	11
24	A penicillin-binding protein that can promote advanced-generation cephalosporin resistance and genome adaptation in the opportunistic pathogen Pseudomonas aeruginosa. International Journal of Antimicrobial Agents, 2020, 55, 105896.	1.1	3
25	Impacts of multi-year field exposure of agricultural soil to macrolide antibiotics on the abundance of antibiotic resistance genes and selected mobile genetic elements. Science of the Total Environment, 2020, 727, 138520.	3.9	20
26	Antibiotic Resistance Genes in the Human-Impacted Environment: A One Health Perspective. Pedosphere, 2019, 29, 273-282.	2.1	100
27	Does Dietary Consumption of Antibiotics by Humans Promote Antibiotic Resistance in the Gut Microbiome?. Journal of Food Protection, 2019, 82, 1636-1642.	0.8	17
28	Impact of seasonal temperature transition, alkalinity and other abiotic factors on the persistence of viruses in swine and dairy manures. Science of the Total Environment, 2019, 659, 640-648.	3.9	12
29	Novel virulence, antibiotic resistance and toxin gene-specific PCR-based assays for rapid pathogenicity assessment of Arcobacter faecis and Arcobacter lanthieri. BMC Microbiology, 2019, 19, 11.	1.3	22
30	Environmental risk assessment of antibiotics in agroecosystems: ecotoxicological effects on aquatic microbial communities and dissemination of antimicrobial resistances and antibiotic biodegradation potential along the soil-water continuum. Environmental Science and Pollution Research, 2019, 26, 18930-18937.	2.7	38
31	Plant-Produced Chimeric VHH-sIgA Against Enterohemorrhagic E. coli Intimin Shows Cross-Serotype Inhibition of Bacterial Adhesion to Epithelial Cells. Frontiers in Plant Science, 2019, 10, 270.	1.7	14
32	The impact of municipal sewage sludge stabilization processes on the abundance, field persistence, and transmission of antibiotic resistant bacteria and antibiotic resistance genes to vegetables at harvest. Science of the Total Environment, 2019, 651, 1680-1687.	3.9	51
33	Understanding the Proline-Centric Design of a Peptide-Mediated Macrolide Resistance Mechanism. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	0
34	Long-Term Exposure of Agricultural Soil to Veterinary Antibiotics Changes the Population Structure of Symbiotic Nitrogen-Fixing Rhizobacteria Occupying Nodules of Soybeans (Glycine max). Applied and Environmental Microbiology, 2018, 84, .	1.4	15
35	Enrichment of antibiotic resistance genes in soil receiving composts derived from swine manure, yard wastes, or food wastes, and evidence for multiyear persistence of swine Clostridium spp.. Canadian Journal of Microbiology, 2018, 64, 201-208.	0.8	32
36	Antimicrobial resistance and the environment: assessment of advances, gaps and recommendations for agriculture, aquaculture and pharmaceutical manufacturing. FEMS Microbiology Ecology, 2018, 94, .	1.3	71

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37	Quantitative real-time PCR-based assessment of tile drainage management influences on bacterial pathogens in tile drainage and groundwater. Science of the Total Environment, 2018, 624, 1586-1597.	3.9	2
38	Genotypes and Phenotypes of Enterococci Isolated From Broiler Chickens. Frontiers in Sustainable Food Systems, 2018, 2, .	1.8	26
39	Aquatic Bacterial Communities Associated With Land Use and Environmental Factors in Agricultural Landscapes Using a Metabarcoding Approach. Frontiers in Microbiology, 2018, 9, 2301.	1.5	44
40	Explaining the accelerated degradation of ciprofloxacin, sulfamethazine, and erythromycin in different soil exposure scenarios by their aqueous extractability. Environmental Science and Pollution Research, 2018, 25, 16236-16245.	2.7	8
41	Critical knowledge gaps and research needs related to the environmental dimensions of antibiotic resistance. Environment International, 2018, 117, 132-138.	4.8	281
42	Impact of dairy manure pre-application treatment on manure composition, soil dynamics of antibiotic resistance genes, and abundance of antibiotic-resistance genes on vegetables at harvest. Science of the Total Environment, 2017, 581-582, 32-39.	3.9	148
43	Impact of pre-application treatment on municipal sludge composition, soil dynamics of antibiotic resistance genes, and abundance of antibiotic-resistance genes on vegetables at harvest. Science of the Total Environment, 2017, 587-588, 214-222.	3.9	50
44	Spectral Counting Approach to Measure Selectivity of High-Resolution LCâ€“MS Methods for Environmental Analysis. Analytical Chemistry, 2017, 89, 2747-2754.	3.2	26
45	Novel Antibiotic Resistance Determinants from Agricultural Soil Exposed to Antibiotics Widely Used in Human Medicine and Animal Farming. Applied and Environmental Microbiology, 2017, 83, .	1.4	62
46	Waterborne Viruses and F-Specific Coliphages in Mixed-Use Watersheds: Microbial Associations, Host Specificities, and Affinities with Environmental/Land Use Factors. Applied and Environmental Microbiology, 2017, 83, .	1.4	21
47	Genomic Analysis of Third Generation Cephalosporin Resistant Escherichia coli from Dairy Cow Manure. Veterinary Sciences, 2017, 4, 57.	0.6	20
48	Back to the Future of Soil Metagenomics. Frontiers in Microbiology, 2016, 7, 73.	1.5	120
49	Phenotypic and Genotypic Characteristics of Shiga Toxin-Producing Escherichia coli Isolated from Surface Waters and Sediments in a Canadian Urban-Agricultural Landscape. Frontiers in Cellular and Infection Microbiology, 2016, 6, 36.	1.8	25
50	Isolation and Characterization of Acinetobacter baumannii Recovered from Campylobacter Selective Medium. Frontiers in Microbiology, 2016, 7, 1871.	1.5	23
51	Effect of Co-Composting Cattle Manure with Construction and Demolition Waste on the Archaeal, Bacterial, and Fungal Microbiota, and on Antimicrobial Resistance Determinants. PLoS ONE, 2016, 11, e0157539.	1.1	54
52	Antimicrobial Resistance of Escherichia fergusonii Isolated from Broiler Chickens. Journal of Food Protection, 2016, 79, 929-938.	0.8	23
53	Evidence of Naturalized Stress-Tolerant Strains of Escherichia coli in Municipal Wastewater Treatment Plants. Applied and Environmental Microbiology, 2016, 82, 5505-5518.	1.4	61
54	Editorial: Special section of FEMS Microbiology Ecology on the environmental dimension of antibiotic resistance. FEMS Microbiology Ecology, 2016, 92, fiw172.	1.3	9

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55	An effective bioremediation approach for enhanced microbial degradation of the veterinary antibiotic sulfamethazine in an agricultural soil. Chemical and Biological Technologies in Agriculture, 2016, 3, .	1.9	34
56	Incentives and disincentives identified by producers and drainage contractors/experts on the adoption of controlled tile drainage in eastern Ontario, Canada. Water Quality Research Journal of Canada, 2016, 51, 1-16.	1.2	6
57	Biosolids applied to agricultural land: Influence on structural and functional endpoints of soil fauna on a short- and long-term scale. Science of the Total Environment, 2016, 562, 312-326.	3.9	33
58	Reduced persistence of the macrolide antibiotics erythromycin, clarithromycin and azithromycin in agricultural soil following several years of exposure in the field. Science of the Total Environment, 2016, 562, 136-144.	3.9	71
59	Controlling tile drainage during the growing season in Eastern Canada to reduce nitrogen, phosphorus, and bacteria loading to surface water. Agricultural Water Management, 2016, 178, 159-170.	2.4	44
60	An evaluation of logic regression-based biomarker discovery across multiple intergenic regions for predicting host specificity in Escherichia coli. Molecular Phylogenetics and Evolution, 2016, 103, 133-142.	1.2	9
61	Long-term antibiotic exposure in soil is associated with changes in microbial community structure and prevalence of class 1 integrons. FEMS Microbiology Ecology, 2016, 92, fiw159.	1.3	46
62	Antimicrobial Drug Efflux Genes and Pumps in Bacteria of Animal and Environmental Origin. , 2016, , 561-593.		2
63	Persistence of antibiotic resistance and plasmid-associated genes in soil following application of sewage sludge and abundance on vegetables at harvest. Canadian Journal of Microbiology, 2016, 62, 600-607.	0.8	42
64	Detection of virulence, antibiotic resistance and toxin (VAT) genes in Campylobacter species using newly developed multiplex PCR assays. Journal of Microbiological Methods, 2016, 124, 41-47.	0.7	20
65	The case for plant-made veterinary immunotherapeutics. Biotechnology Advances, 2016, 34, 597-604.	6.0	46
66	Development and evaluation of multiplex PCR assays for rapid detection of virulence-associated genes in Arcobacter species. Journal of Microbiological Methods, 2016, 121, 59-65.	0.7	17
67	Identification, characterization and description of Arcobacter faecis sp. nov., isolated from a human waste septic tank. Systematic and Applied Microbiology, 2016, 39, 93-99.	1.2	31
68	Multiâ€year and shortâ€term responses of soil ammoniaâ€oxidizing prokaryotes to zinc bacitracin, monensin, and ivermectin, singly or in combination. Environmental Toxicology and Chemistry, 2015, 34, 618-625.	2.2	14
69	Genomic Comparison of Non-Typhoidal Salmonella enterica Serovars Typhimurium, Enteritidis, Heidelberg, Hadar and Kentucky Isolates from Broiler Chickens. PLoS ONE, 2015, 10, e0128773.	1.1	53
70	Dissipation of triclosan, triclocarban, carbamazepine and naproxen in agricultural soil following surface or sub-surface application of dewatered municipal biosolids. Science of the Total Environment, 2015, 512-513, 480-488.	3.9	41
71	Phylogenetic identification of methanogens assimilating acetate-derived carbon in dairy and swine manures. Systematic and Applied Microbiology, 2015, 38, 56-66.	1.2	8
72	The nasopharyngeal microbiota of feedlot cattle that develop bovine respiratory disease. Veterinary Microbiology, 2015, 180, 90-95.	0.8	88

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73	Quantitative Campylobacter spp., antibiotic resistance genes, and veterinary antibiotics in surface and ground water following manure application: Influence of tile drainage control. Science of the Total Environment, 2015, 532, 138-153.	3.9	63
74	Arcobacter lanthieri sp. nov., isolated from pig and dairy cattle manure. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2709-2716.	0.8	44
75	Assessing host-specificity of Escherichia coli using a supervised learning logic-regression-based analysis of single nucleotide polymorphisms in intergenic regions. Molecular Phylogenetics and Evolution, 2015, 92, 72-81.	1.2	19
76	Ecotoxicological assessment of antibiotics: A call for improved consideration of microorganisms. Environment International, 2015, 85, 189-205.	4.8	209
77	Two thousandâ€“year reconstruction of livestock production intensity in France using sediment-archived fecal Bacteroidales and source-specific mitochondrial markers. Holocene, 2015, 25, 1384-1393.	0.9	14
78	Biodegradation of benzalkonium chlorides singly and in mixtures by a Pseudomonas sp. isolated from returned activated sludge. Journal of Hazardous Materials, 2015, 299, 595-602.	6.5	44
79	Abundance of Antibiotic Resistance Genes in Bacteriophage following Soil Fertilization with Dairy Manure or Municipal Biosolids, and Evidence for Potential Transduction. Applied and Environmental Microbiology, 2015, 81, 7905-7913.	1.4	101
80	Bringing plant-based veterinary vaccines to market: Managing regulatory and commercial hurdles. Biotechnology Advances, 2015, 33, 1572-1581.	6.0	32
81	Pharmaceuticals in the environment: Biodegradation and effects on natural microbial communities. A review. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 25-36.	1.4	342
82	Duplex PCR Methods for the Molecular Detection of Escherichia fergusonii Isolates from Broiler Chickens. Applied and Environmental Microbiology, 2014, 80, 1941-1948.	1.4	13
83	Antibiotic Resistance and Diversity of Salmonella enterica Serovars Associated with Broiler Chickens. Journal of Food Protection, 2014, 77, 40-49.	0.8	53
84	Draft Genome Sequences of Three Arcobacter Strains of Pig and Dairy Cattle Manure Origin. Genome Announcements, 2014, 2, .	0.8	8
85	Long-Term Monitoring of Waterborne Pathogens and Microbial Source Tracking Markers in Paired Agricultural Watersheds under Controlled and Conventional Tile Drainage Management. Applied and Environmental Microbiology, 2014, 80, 3708-3720.	1.4	42
86	Draft Genome Sequence of the Sulfonamide Antibiotic-Degrading Microbacterium sp. Strain C448. Genome Announcements, 2014, 2, .	0.8	14
87	Safely Coupling Livestock and Crop Production Systems: How Rapidly Do Antibiotic Resistance Genes Dissipate in Soil following a Commercial Application of Swine or Dairy Manure?. Applied and Environmental Microbiology, 2014, 80, 3258-3265.	1.4	114
88	Triclocarban, triclosan and its transformation product methyl triclosan in native earthworm species four years after a commercial-scale biosolids application. Science of the Total Environment, 2014, 472, 235-238.	3.9	58
89	Impact of Fertilizing with Raw or Anaerobically Digested Sewage Sludge on the Abundance of Antibiotic-Resistant Coliforms, Antibiotic Resistance Genes, and Pathogenic Bacteria in Soil and on Vegetables at Harvest. Applied and Environmental Microbiology, 2014, 80, 6898-6907.	1.4	164
90	Bioaccumulation of triclosan and triclocarban in plants grown in soils amended with municipal dewatered biosolids. Environmental Toxicology and Chemistry, 2014, 33, 975-984.	2.2	88

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91	A national investigation of the prevalence and diversity of thermophilic Campylobacter species in agricultural watersheds in Canada. Water Research, 2014, 61, 243-252.	5.3	31
92	The detection of Cryptosporidium and the resolution of mixtures of species and genotypes from water. Infection, Genetics and Evolution, 2013, 15, 3-9.	1.0	27
93	Quantitative multi-year elucidation of fecal sources of waterborne pathogen contamination in the South Nation River basin using Bacteroidales microbial source tracking markers. Water Research, 2013, 47, 2315-2324.	5.3	49
94	The Scourge of Antibiotic Resistance: The Important Role of the Environment. Clinical Infectious Diseases, 2013, 57, 704-710.	2.9	487
95	Spatiotemporal Analysis of Cryptosporidium Species/Genotypes and Relationships with Other Zoonotic Pathogens in Surface Water from Mixed-Use Watersheds. Applied and Environmental Microbiology, 2013, 79, 434-448.	1.4	44
96	Fecal source tracking in water using a mitochondrial DNA microarray. Water Research, 2013, 47, 16-30.	5.3	26
97	Physico-chemical characteristics and methanogen communities in swine and dairy manure storage tanks: Spatio-temporal variations and impact on methanogenic activity. Water Research, 2013, 47, 737-746.	5.3	37
98	Using SWAT, Bacteroidales microbial source tracking markers, and fecal indicator bacteria to predict waterborne pathogen occurrence in an agricultural watershed. Water Research, 2013, 47, 6326-6337.	5.3	38
99	Persistence and dissipation pathways of the antidepressant sertraline in agricultural soils. Science of the Total Environment, 2013, 452-453, 296-301.	3.9	12
100	Assessment of a new Bacteroidales marker targeting North American beaver (Castor canadensis) fecal pollution by real-time PCR. Journal of Microbiological Methods, 2013, 95, 201-206.	0.7	8
101	Human Health Risk Assessment (HHRA) for Environmental Development and Transfer of Antibiotic Resistance. Environmental Health Perspectives, 2013, 121, 993-1001.	2.8	508
102	Evaluating the Pathogenic Potential of Environmental Escherichia coli by Using the Caenorhabditis elegans Infection Model. Applied and Environmental Microbiology, 2013, 79, 2435-2445.	1.4	26
103	Management Options for Reducing the Release of Antibiotics and Antibiotic Resistance Genes to the Environment. Environmental Health Perspectives, 2013, 121, 878-885.	2.8	657
104	Persistence of the tricyclic antidepressant drugs amitriptyline and nortriptyline in agriculture soils. Environmental Toxicology and Chemistry, 2013, 32, 509-516.	2.2	35
105	Coherence among Different Microbial Source Tracking Markers in a Small Agricultural Stream with or without Livestock Exclusion Practices. Applied and Environmental Microbiology, 2013, 79, 6207-6219.	1.4	43
106	Identification of Methanoculleus spp. as Active Methanogens during Anoxic Incubations of Swine Manure Storage Tank Samples. Applied and Environmental Microbiology, 2013, 79, 424-433.	1.4	54
107	Impact of Manure Fertilization on the Abundance of Antibiotic-Resistant Bacteria and Frequency of Detection of Antibiotic Resistance Genes in Soil and on Vegetables at Harvest. Applied and Environmental Microbiology, 2013, 79, 5701-5709.	1.4	371
108	Accelerated Biodegradation of Veterinary Antibiotics in Agricultural Soil following Long-Term Exposure, and Isolation of a Sulfamethazine-degrading Microbacterium sp.. Journal of Environmental Quality, 2013, 42, 173-178.	1.0	126

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109	Effect of subtherapeutic vs. therapeutic administration of macrolides on antimicrobial resistance in Mannheimia haemolytica and enterococci isolated from beef cattle. Frontiers in Microbiology, 2013, 4, 133.	1.5	71
110	Pharmaceuticals and Personal Care Products in the Environment: What Are the Big Questions?. Environmental Health Perspectives, 2012, 120, 1221-1229.	2.8	1,033
111	Characterization of antibiotic-resistant and potentially pathogenic Escherichia coli from soil fertilized with litter of broiler chickens fed antimicrobial-supplemented diets. Canadian Journal of Microbiology, 2012, 58, 1084-1098.	0.8	30
112	Molecular and phylogenetic approaches for assessing sources of Cryptosporidium contamination in water. Water Research, 2012, 46, 5135-5150.	5.3	49
113	The antihistamine diphenhydramine is extremely persistent in agricultural soil. Science of the Total Environment, 2012, 439, 136-140.	3.9	20
114	A comparison of enrichment and direct-plating methods for isolation of Listeria monocytogenes from surface water. Canadian Journal of Microbiology, 2012, 58, 1405-1410.	0.8	2
115	High-throughput species identification of enterococci using pyrosequencing. Journal of Microbiological Methods, 2012, 89, 174-178.	0.7	18
116	An enhanced technique combining pre-enrichment and passive filtration increases the isolation efficiency of Campylobacter jejuni and Campylobacter coli from water and animal fecal samples. Journal of Microbiological Methods, 2012, 91, 506-513.	0.7	43
117	Characterization of Staphylococcus xylosus isolated from broiler chicken barn bioaerosol. Poultry Science, 2012, 91, 3003-3012.	1.5	22
118	Spatial and Temporal Drivers of Zoonotic Pathogen Contamination of an Agricultural Watershed. Journal of Environmental Quality, 2012, 41, 242-252.	1.0	59
119	Methanoculleus spp. as a biomarker of methanogenic activity in swine manure storage tanks. FEMS Microbiology Ecology, 2012, 80, 427-440.	1.3	36
120	Uptake of pharmaceuticals, hormones and parabens into vegetables grown in soil fertilized with municipal biosolids. Science of the Total Environment, 2012, 431, 233-236.	3.9	196
121	Development and validation of a microbial source tracking marker for the detection of fecal pollution by muskrats. Journal of Microbiological Methods, 2011, 87, 82-88.	0.7	18
122	Realâ€Time Quantification of mcrA, pmoA for Methanogen, Methanotroph Estimations during Composting. Journal of Environmental Quality, 2011, 40, 199-205.	1.0	20
123	Maintenance strategies for on-site water disinfection by ultraviolet lamps on dairy farms. Water Quality Research Journal of Canada, 2011, 46, 2-12.	1.2	3
124	A novel fingerprint method to assess the diversity of methanogens in microbial systems. FEMS Microbiology Letters, 2011, 325, 115-122.	0.7	19
125	Practical considerations optically sensing rhodamine WT in water impacted by municipal biosolids. Environmental Monitoring and Assessment, 2011, 173, 37-44.	1.3	1
126	Fate of the antifungal drug clotrimazole in agricultural soil. Environmental Toxicology and Chemistry, 2011, 30, 582-587.	2.2	21

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127	Class 1 Integrons, Selected Virulence Genes, and Antibiotic Resistance in Escherichia coli Isolates from the Minjiang River, Fujian Province, China. Applied and Environmental Microbiology, 2011, 77, 148-155.	1.4	65
128	Variation of an indicator ofEscherichia colipersistence from surface waters of mixed-use watersheds, and relationship with environmental factors. Annales De Limnologie, 2011, 47, 11-19.	0.6	8
129	Transport of PPCPs and Veterinary Medicines from Agricultural Fields following Application of Biosolids or Manure. ACS Symposium Series, 2010, , 227-240.	0.5	6
130	Fate of the antiretroviral drug tenofovir in agricultural soil. Science of the Total Environment, 2010, 408, 5559-5564.	3.9	27
131	Presence of zoonotic pathogens in physico-chemically characterized manures from hog finishing houses using different production systems. Bioresource Technology, 2010, 101, 4048-4055.	4.8	17
132	Microbial and Physico-Chemical Characteristics of Surface Water Sources Used on Dairy Farms in Ontario. Water Quality Research Journal of Canada, 2010, 45, 287-294.	1.2	3
133	Distribution of Antimicrobial Resistance and Virulence Genes inEnterococcusspp. and Characterization of Isolates from Broiler Chickens. Applied and Environmental Microbiology, 2010, 76, 8033-8043.	1.4	107
134	The occurrence and sources of Campylobacter spp., Salmonellaenterica and Escherichia coli O157:H7 in the Salmon River, British Columbia, Canada. Journal of Water and Health, 2010, 8, 374-386.	1.1	51
135	Prolonged Survival of Campylobacter Species in Bovine Manure Compost. Applied and Environmental Microbiology, 2010, 76, 1110-1119.	1.4	64
136	Enumeration and Strain Characterization of FecalEscherichia coliAssociated with Feeding Triticale Dried Distillers Grain with Solubles in Beef Cattle Diets. Foodborne Pathogens and Disease, 2010, 7, 1323-1330.	0.8	1
137	Dynamics of antimicrobial resistance and virulence genes in Enterococcus faecalis during swine manure storage. Canadian Journal of Microbiology, 2010, 56, 683-691.	0.8	9
138	Spatial distribution of some microbial trophic groups in a plug-flow-type anaerobic bioreactor treating swine manure. Water Science and Technology, 2010, 61, 1147-1155.	1.2	8
139	Distribution and Diversity of Escherichia coli Populations in the South Nation River Drainage Basin, Eastern Ontario, Canada. Applied and Environmental Microbiology, 2010, 76, 1486-1496.	1.4	71
140	The non-steroidal anti-inflammatory drug diclofenac is readily biodegradable in agricultural soils. Science of the Total Environment, 2010, 409, 78-82.	3.9	57
141	Optimization and validation of rep-PCR genotypic libraries for microbial source tracking of environmental Escherichia coli isolates. Canadian Journal of Microbiology, 2010, 56, 8-17.	0.8	14
142	Frequency of virulence genes and antibiotic resistances inEnterococcusspp. isolates from wastewater and feces of domesticated mammals and birds, and wildlife. Canadian Journal of Microbiology, 2010, 56, 715-729.	0.8	32
143	Selected Antimicrobial Resistance during Composting of Manure from Cattle Administered Subâ€Therapeutic Antimicrobials. Journal of Environmental Quality, 2009, 38, 567-575.	1.0	68
144	Simulation of Pharmaceutical and Personal Care Product Transport to Tile Drains after Biosolids Application. Journal of Environmental Quality, 2009, 38, 1274-1285.	1.0	29

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145	Commensal FecalEscherichia coliDiversity in Dairy Cows at High and Low Risk for Incurring Subacute Ruminal Acidosis. Foodborne Pathogens and Disease, 2009, 6, 973-980.	0.8	6
146	Runoff of pharmaceuticals and personal care products following application of dewatered municipal biosolids to an agricultural field. Science of the Total Environment, 2009, 407, 4596-4604.	3.9	110
147	Impact of biosolids on the persistence and dissipation pathways of triclosan and triclocarban in an agricultural soil. Science of the Total Environment, 2009, 407, 5978-5985.	3.9	63
148	Multivariate statistical analyses of rDNA and rRNA fingerprint data to differentiate microbial communities in swine manure. FEMS Microbiology Ecology, 2009, 70, 540-552.	1.3	10
149	Pathotype and Antibiotic Resistance Gene Distributions of Escherichia coli Isolates from Broiler Chickens Raised on Antimicrobial-Supplemented Diets. Applied and Environmental Microbiology, 2009, 75, 6955-6962.	1.4	77
150	Bacterial community dynamics in an anaerobic plug-flow type bioreactor treating swine manure. Water Research, 2009, 43, 21-32.	5.3	39
151	Seasonal relationships among indicator bacteria, pathogenic bacteria, Cryptosporidium oocysts, Giardia cysts, and hydrological indices for surface waters within an agricultural landscape. Water Research, 2009, 43, 2209-2223.	5.3	293
152	A methods comparison for the isolation and detection of thermophilic Campylobacter in agricultural watersheds. Journal of Microbiological Methods, 2009, 79, 307-313.	0.7	23
153	Characterization of tetracycline- and ampicillin-resistant Escherichia coli isolated from the feces of feedlot cattle over the feeding period. Canadian Journal of Microbiology, 2009, 55, 750-761.	0.8	6
154	Fate of the nonsteroidal antiâ€inflammatory drug naproxen in agricultural soil receiving liquid municipal biosolids. Environmental Toxicology and Chemistry, 2008, 27, 2005-2010.	2.2	44
155	Runoff of pharmaceuticals and personal care products following application of biosolids to an agricultural field. Science of the Total Environment, 2008, 396, 52-59.	3.9	185
156	Diversity and Distribution of Commensal Fecal Escherichia coli Bacteria in Beef Cattle Administered Selected Subtherapeutic Antimicrobials in a Feedlot Setting. Applied and Environmental Microbiology, 2008, 74, 6178-6186.	1.4	55
157	Loss of Virulence Genes in Escherichia coli Populations during Manure Storage on a Commercial Swine Farm. Applied and Environmental Microbiology, 2008, 74, 3935-3942.	1.4	29
158	Detection of estrogenic hormone 17Î²-estradiol in soil samples by a recombinant yeast bioassay and supercritical fluid extraction. Korean Journal of Environmental Agriculture, 2008, 27, 447-455.	0.0	1
159	Antibiotic resistance in Escherichia coll and Enterococcus spp. isolates from commercial broiler chickens receiving growth-promoting doses of bacitracin or virginiamycin. Canadian Journal of Veterinary Research, 2008, 72, 129-36.	1.1	19
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