Mathew Upton

List of Publications by Year
in descending order

85 papers	4,263 citations	126858 33 h-index	118793 62 g-index
86 all docs	86 docs citations	86 times ranked	4999 citing authors

#	Article	IF	Citations
1	Global dissemination of a multidrug resistant Escherichia coli clone. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5694-5699.	3.3	498
2	Rapid detection of the O25b-ST131 clone of Escherichia coli encompassing the CTX-M-15-producing strains. Journal of Antimicrobial Chemotherapy, 2009, 64, 274-277.	1.3	328
3	Insights into a Multidrug Resistant Escherichia coli Pathogen of the Globally Disseminated ST131 Lineage: Genome Analysis and Virulence Mechanisms. PLoS ONE, 2011, 6, e26578.	1.1	209
4	Population structure, virulence potential and antibiotic susceptibility of uropathogenic Escherichia coli from Northwest England. Journal of Antimicrobial Chemotherapy, 2012, 67, 346-356.	1.3	161
5	Major Uropathogenic Escherichia coli Strain Isolated in the Northwest of England Identified by Multilocus Sequence Typing. Journal of Clinical Microbiology, 2008, 46, 1076-1080.	1.8	159
6	UK epidemic Escherichia coli strains A-E, with CTX-M-15 Â-lactamase, all belong to the international O25:H4-ST131 clone. Journal of Antimicrobial Chemotherapy, 2008, 62, 1241-1244.	1.3	151
7	The Serum Resistome of a Globally Disseminated Multidrug Resistant Uropathogenic Escherichia coli Clone. PLoS Genetics, 2013, 9, e1003834.	1.5	146
8	Salivaricin A2 and the Novel Lantibiotic Salivaricin B Are Encoded at Adjacent Loci on a 190-Kilobase Transmissible Megaplasmid in the Oral Probiotic Strain Streptococcus salivarius K12. Applied and Environmental Microbiology, 2007, 73, 1107-1113.	1.4	142
9	Optimisation of methods for bacterial skin microbiome investigation: primer selection and comparison of the 454 versus MiSeq platform. BMC Microbiology, 2017, 17, 23.	1.3	133
10	Intra- and Interspecies Signaling between Streptococcus salivarius and Streptococcus pyogenes Mediated by SalA and SalA1 Lantibiotic Peptides. Journal of Bacteriology, 2001, 183, 3931-3938.	1.0	132
11	A FimH Inhibitor Prevents Acute Bladder Infection and Treats Chronic Cystitis Caused by Multidrug-Resistant Uropathogenic Escherichia coli ST131. Journal of Infectious Diseases, 2013, 208, 921-928.	1.9	116
12	The Complete Genome Sequence of Escherichia coli EC958: A High Quality Reference Sequence for the Globally Disseminated Multidrug Resistant E. coli O25b:H4-ST131 Clone. PLoS ONE, 2014, 9, e104400.	1.1	116
13	Production of the Lantibiotic Salivaricin A and Its Variants by Oral Streptococci and Use of a Specific Induction Assay To Detect Their Presence in Human Saliva. Applied and Environmental Microbiology, 2006, 72, 1459-1466.	1.4	104
14	Identification, Characterization, and Recombinant Expression of Epidermicin NI01, a Novel Unmodified Bacteriocin Produced by Staphylococcus epidermidis That Displays Potent Activity against Staphylococci. Antimicrobial Agents and Chemotherapy, 2012, 56, 1539-1547.	1.4	100
15	The Terminal A Domain of the Fibrillar Accumulation-Associated Protein (Aap) of Staphylococcus epidermidis Mediates Adhesion to Human Corneocytes. Journal of Bacteriology, 2009, 191, 7007-7016.	1.0	77
16	Longitudinal Study of the Molecular Epidemiology of Campylobacter jejuni in Cattle on Dairy Farms. Applied and Environmental Microbiology, 2008, 74, 3626-3633.	1.4	76
17	Antibiotic-resistant ST38, ST131 and ST405 strains are the leading uropathogenicEscherichia coliclones in Riyadh, Saudi Arabia. Journal of Antimicrobial Chemotherapy, 2015, 70, 2757-2762.	1.3	75
18	Localized Tufts of Fibrils on Staphylococcus epidermidis NCTC 11047 Are Comprised of the Accumulation-Associated Protein. Journal of Bacteriology, 2007, 189, 2793-2804.	1.0	73

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19	Drug repurposing for next-generation combination therapies against multidrug-resistant bacteria. Theranostics, 2021, 11, 4910-4928.	4.6	70
20	Molecular Ecological Analysis of Methanogens and Methanotrophs in Blanket Bog Peat. Microbial Ecology, 1999, 38, 225-233.	1.4	62
21	Production of the Bsa Lantibiotic by Community-Acquired Staphylococcus aureus Strains. Journal of Bacteriology, 2010, 192, 1131-1142.	1.0	60
22	Galleria mellonella Infection Model Demonstrates High Lethality of ST69 and ST127 Uropathogenic E. coli. PLoS ONE, 2014, 9, e101547.	1.1	59
23	Prevalence and distribution of plasmid-mediated quinolone resistance genes in clinical isolates of Escherichia coli lacking extended-spectrum Â-lactamases. Journal of Antimicrobial Chemotherapy, 2008, 62, 1245-1251.	1.3	58
24	Molecular Epidemiology of Campylobacter jejuni Populations in Dairy Cattle, Wildlife, and the Environment in a Farmland Area. Applied and Environmental Microbiology, 2008, 74, 5130-5138.	1.4	56
25	Molecular cloning and characterization of SmrA, a novel ABC multidrug efflux pump from Stenotrophomonas maltophilia. Journal of Antimicrobial Chemotherapy, 2009, 64, 731-734.	1.3	56
26	Salivaricin 9, a new lantibiotic produced by Streptococcus salivarius. Microbiology (United Kingdom), 2011, 157, 1290-1299.	0.7	55
27	Synthetic epidermicin NI01 can protect Galleria mellonella larvae from infection with Staphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2013, 68, 2269-73.	1.3	54
28	Microbiological processes in the terrestrial carbon cycle: methane cycling in peat. Atmospheric Environment, 1998, 32, 3247-3255.	1.9	51
29	Low concentrations of vancomycin stimulate biofilm formation in some clinical isolates of Staphylococcus epidermidis. Journal of Clinical Pathology, 2009, 62, 1112-1116.	1.0	50
30	Molecular Characterization of a Multidrug Resistance IncF Plasmid from the Globally Disseminated Escherichia coli ST131 Clone. PLoS ONE, 2015, 10, e0122369.	1.1	48
31	Application of a novel decontamination process using gaseous ozone. Canadian Journal of Microbiology, 2009, 55, 928-933.	0.8	39
32	Dual transcriptional-translational cascade permits cellular level tuneable expression control. Nucleic Acids Research, 2016, 44, e21-e21.	6.5	39
33	Phylogenetic analysis of peat bog methanogen populations. FEMS Microbiology Letters, 1999, 173, 425-429.	0.7	37
34	High Metabolic Potential May Contribute to the Success of ST131 Uropathogenic Escherichia coli. Journal of Clinical Microbiology, 2012, 50, 3202-3207.	1.8	35
35	The bacterial skin microbiome in psoriatic arthritis, an unexplored link in pathogenesis: challenges and opportunities offered by recent technological advances. Rheumatology, 2014, 53, 777-784.	0.9	33
36	Rapid identification of uropathogenic Escherichia coli of the O25:H4-ST131 clonal lineage using the Diversi-Lab repetitive sequence-based PCR system. Clinical Microbiology and Infection, 2010, 16, 232-237.	2.8	31

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37	Combined molecular ecological and confocal laser scanning microscopic analysis of peat bog methanogen populations. FEMS Microbiology Letters, 2000, 193, 275-281.	0.7	28
38	Lineage-Specific Methyltransferases Define the Methylome of the Globally Disseminated Escherichia coli ST131 Clone. MBio, 2015, 6, e01602-15.	1.8	27
39	Clonal structure of invasiveStreptococcus pyogenesin Northern Scotland. Epidemiology and Infection, 1995, 115, 231-241.	1.0	25
40	Comparison of a semi-automated rep-PCR system and multilocus sequence typing for differentiation of Salmonella enterica isolates. Journal of Microbiological Methods, 2010, 81, 11-16.	0.7	25
41	Development of a Multiplex Primer Extension Assay for Rapid Detection of Salmonella Isolates of Diverse Serotypes. Journal of Clinical Microbiology, 2010, 48, 1055-1060.	1.8	24
42	High-throughput phenotyping of uropathogenic E. coli isolates with Fourier transform infrared spectroscopy. Analyst, The, 2013, 138, 1363.	1.7	24
43	Genetic heterogeneity of M type 3 group A streptococci causing severe infections in Tayside, Scotland. Journal of Clinical Microbiology, 1996, 34, 196-198.	1.8	24
44	Enhancement of antibiotic susceptibility ofStenotrophomonas maltophiliausing a polyclonal antibody developed against an ABC multidrug efflux pump. Canadian Journal of Microbiology, 2011, 57, 820-828.	0.8	23
45	Implementation of Fourier transform infrared spectroscopy for the rapid typing of uropathogenic Escherichia coli. European Journal of Clinical Microbiology and Infectious Diseases, 2014, 33, 983-988.	1.3	22
46	Comprehensive analysis of type 1 fimbriae regulation in fimBâ€null strains from the multidrug resistant Escherichia coli ST131 clone. Molecular Microbiology, 2016, 101, 1069-1087.	1.2	21
47	Micro-ecology of peat: minimally invasive analysis using confocal laser scanning microscopy, membrane inlet mass spectrometry and PCR amplification of methanogen-specific gene sequences. FEMS Microbiology Ecology, 1998, 25, 179-188.	1.3	20
48	COVID-19, antibiotics and One Health: a UK environmental risk assessment. Journal of Antimicrobial Chemotherapy, 2020, 75, 3411-3412.	1.3	20
49	Escherichia coli-Mediated Impairment of Ureteric Contractility Is Uropathogenic E. coli Specific. Journal of Infectious Diseases, 2012, 206, 1589-1596.	1.9	19
50	Discovery and development of lantibiotics; antimicrobial agents that have significant potential for medical application. Expert Opinion on Drug Discovery, 2011, 6, 155-170.	2.5	17
51	Domestic shower hose biofilms contain fungal species capable of causing opportunistic infection. Journal of Water and Health, 2016, 14, 727-737.	1.1	17
52	Antimicrobial Peptides as Therapeutic Agents. International Journal of Microbiology, 2012, 2012, 1-2.	0.9	16
53	Multiple metabolomics of uropathogenic E. coli reveal different information content in terms of metabolic potential compared to virulence factors. Analyst, The, 2014, 139, 4193-4199.	1.7	16
54	Flowering Porationâ€"A Synergistic Multi-Mode Antibacterial Mechanism by a Bacteriocin Fold. IScience, 2020, 23, 101423.	1.9	16

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55	Detection of human commensals in the area around an Antarctic research station. Antarctic Science, 1997, 9, 156-161.	0.5	15
56	Purification and characterization of a novel delta-lysin variant that inhibits Staphylococcus aureus and has limited hemolytic activity. Peptides, 2010, 31, 1661-1668.	1.2	15
57	Third-generation cephalosporin resistance conferred by a chromosomally encoded blaCMY-23 gene in the Escherichia coli ST131 reference strain EC958. Journal of Antimicrobial Chemotherapy, 2015, 70, 1969-1972.	1.3	14
58	Rapid cost-effective subtyping of meticillin-resistant Staphylococcus aureus by denaturing HPLC. Journal of Medical Microbiology, 2006, 55, 1053-1060.	0.7	13
59	A single dose of epidermicin NI01 is sufficient to eradicate MRSA from the nares of cotton rats. Journal of Antimicrobial Chemotherapy, 2016, 72, dkw457.	1.3	12
60	Purification and characterization of nisin P produced by a strain of Streptococcus gallolyticus. Journal of Medical Microbiology, 2020, 69, 605-616.	0.7	12
61	A workflow for bacterial metabolic fingerprinting and lipid profiling: application to Ciprofloxacin challenged Escherichia coli. Metabolomics, 2015, 11, 438-453.	1.4	10
62	International Multicenter Evaluation of the DiversiLab Bacterial Typing System for Escherichia coli and Klebsiella spp.. Journal of Clinical Microbiology, 2013, 51, 3944-3949.	1.8	9
63	Micro-ecology of peat: minimally invasive analysis using confocal laser scanning microscopy, membrane inlet mass spectrometry and PCR amplification of methanogen-specific gene sequences. FEMS Microbiology Ecology, 1998, 25, 179-188.	1.3	9
64	Phylogenetic analysis of peat bog methanogen populations. FEMS Microbiology Letters, 1999, 173, 425-429.	0.7	9
65	Complete Genome Sequence of a Colistin-Resistant Uropathogenic Escherichia coli Sequence Type 131 fimH 22 Strain Harboring mcr-1 on an IncHI2 Plasmid, Isolated in Riyadh, Saudi Arabia. Microbiology Resource Announcements, 2019, 8, .	0.3	8
66	The skin microbiome in psoriatic arthritis: methodology development and pilot data. Lancet, The, 2015, 385, S27.	6.3	7
67	Galleria mellonella larvae exhibit a weight-dependent lethal median dose when infected with methicillin-resistant Staphylococcus aureus. Pathogens and Disease, 2021, 79, .	0.8	7
68	Hospital sink traps as a potential source of the emerging multidrug-resistant pathogen Cupriavidus pauculus: characterization and draft genome sequence of strain MF1. Journal of Medical Microbiology, 2022, 71, .	0.7	7
69	Rapid detection of extra-intestinal pathogenic Escherichia coli multi-locus sequence type 127 using a specific PCR assay. Journal of Medical Microbiology, 2019, 68, 188-196.	0.7	6
70	Identification of a haemolysin-like peptide with antibacterial activity using the draft genome sequence ofStaphylococcus epidermidisstrain A487. FEMS Immunology and Medical Microbiology, 2011, 62, 273-282.	2.7	5
71	Genome Sequence of Hydrothermal Arsenic-Respiring Bacterium Marinobacter santoriniensis NKSG1 ^T. Genome Announcements, 2013, 1, .	0.8	5
72	Impact of growth media and pressure on the diversity and antimicrobial activity of isolates from two species of hexactinellid sponge. Microbiology (United Kingdom), 2021, 167, .	0.7	5

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73	Novel nitrated derivatives of 5,8-diazabenzo[c]phenanthrene and 9,14-diazadibenz[a,e]acephenanthrylene: new classes of potent mutagenic compounds. Mutagenesis, 1999, 14, 587-594.	1.0	3
74	Novel 5,8-Diazabenzo[c]phenanthrenes: Synthesis and Mutagenicity. Journal of Pharmacy and Pharmacology, 2011, 50, 475-482.	1.2	3
75	Editorial: Bacteriocins and Other Ribosomally Synthesised and Post-translationally Modified Peptides (RiPPs) as Alternatives to Antibiotics. Frontiers in Microbiology, 2021, 12, 695081.	1.5	3
76	The Phylogenetic Structure of Reptile, Avian and Uropathogenic Escherichia coli with Particular Reference to Extraintestinal Pathotypes. International Journal of Molecular Sciences, 2021, 22, 1192.	1.8	3
77	Characterisation of Group A Streptococci from Necrotising Fasciitis Cases in Gloucestershire, United Kingdom. Advances in Experimental Medicine and Biology, 1997, 418, 91-93.	0.8	3
78	The antibiofilm effects of Byotrolâ„¢ G32. Journal of Applied Microbiology, 2013, 114, 1285-1293.	1.4	2
79	Characterisation of the microbiome for two hexactinellid sponges and purification of associated antimicrobial agents from their resident microbes. Access Microbiology, 2019, 1, .	0.2	1
80	Purification and characterisation of antimicrobial agents isolated from a member of the Paenibacillus genus. Access Microbiology, 2019, 1, .	0.2	1
81	A novel deep-sea sponge bacterium producing two promising antimicrobial candidates. Access Microbiology, 2019, 1, .	0.2	1
82	Assessing and optimising culturing methods for the associated-bacteria of two species of deep-sea sponges (class Hexactinellida) for antimicrobial bioprospecting. Access Microbiology, 2019, 1, .	0.2	1
83	Analysis of DNA Sequences. , 1999, , 119-126.		0
84	Automated Sequencing of DNA Retrieved from Environmental Samples. , 1999, , 109-118.		0
85	Understanding the pathogenic process of uropathogenic Escherichia coli ST127 using proteomics on uroepithelial co-culture samples. Access Microbiology, 2019, 1, .	0.2	0