

# Mark A Schembri

## List of Publications by Year in descending order

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234  
papers

17,979  
citations

13068

68  
h-index

18075

120  
g-index

252  
all docs

252  
docs citations

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times ranked

16172  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Attenuation of <i>Pseudomonas aeruginosa</i> virulence by quorum sensing inhibitors. <i>EMBO Journal</i> , 2003, 22, 3803-3815.   | 3.5  | 1,205     |
| 2  | Antimicrobial Resistance in ESKAPE Pathogens. <i>Clinical Microbiology Reviews</i> , 2020, 33, .  | 5.7  | 898       |
| 3  | Type 1 fimbrial expression enhances <i>Escherichia coli</i> virulence for the urinary tract.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9827-9832. | 3.3  | 639       |
| 4  | Global dissemination of a multidrug resistant <i>Escherichia coli</i> clone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5694-5699.                 | 3.3  | 498       |
| 5  | Global gene expression in <i>Escherichia coli</i> biofilms. <i>Molecular Microbiology</i> , 2003, 48, 253-267.  | 1.2  | 489       |
| 6  | Receptor binding studies disclose a novel class of high-affinity inhibitors of the <i>Escherichia coli</i> FimH adhesin. <i>Molecular Microbiology</i> , 2004, 55, 441-455.                                 | 1.2  | 372       |
| 7  | Pathogenic adaptation of <i>Escherichia coli</i> by natural variation of the FimH adhesin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 8922-8926.    | 3.3  | 348       |
| 8  | Bacterial adhesins: function and structure. <i>International Journal of Medical Microbiology</i> , 2000, 290, 27-35.  | 1.5  | 310       |
| 9  | Development and maturation of <i>Escherichia coli</i> K-12 biofilms. <i>Molecular Microbiology</i> , 2003, 48, 933-946.   | 1.2  | 303       |
| 10 | Host pathogen checkpoints and population bottlenecks in persistent and intracellular uropathogenic <i>Escherichia coli</i> bladder infection. <i>FEMS Microbiology Reviews</i> , 2012, 36, 616-648.         | 3.9  | 296       |
| 11 | The emerging threat of multidrug-resistant Gram-negative bacteria in urology. <i>Nature Reviews Urology</i> , 2015, 12, 570-584.  | 1.9  | 283       |
| 12 | DSB proteins and bacterial pathogenicity. <i>Nature Reviews Microbiology</i> , 2009, 7, 215-225.  | 13.6 | 260       |
| 13 | Identification of genes implicated in toxin production in the cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Environmental Toxicology</i> , 2001, 16, 413-421.                                   | 2.1  | 242       |
| 14 | Insights into a Multidrug Resistant <i>Escherichia coli</i> Pathogen of the Globally Disseminated ST131 Lineage: Genome Analysis and Virulence Mechanisms. <i>PLoS ONE</i> , 2011, 6, e26578.               | 1.1  | 209       |
| 15 | Capsule Shields the Function of Short Bacterial Adhesins. <i>Journal of Bacteriology</i> , 2004, 186, 1249-1257.  | 1.0  | 195       |
| 16 | MrkH, a Novel c-di-GMP-Dependent Transcriptional Activator, Controls <i>Klebsiella pneumoniae</i> Biofilm Formation by Regulating Type 3 Fimbriae Expression. <i>PLoS Pathogens</i> , 2011, 7, e1002204.    | 2.1  | 195       |
| 17 | Discovery of an archetypal protein transport system in bacterial outer membranes. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 506-510.   | 3.6  | 192       |
| 18 | Uropathogenic <i>Escherichia coli</i> virulence and innate immune responses during urinary tract infection. <i>Current Opinion in Microbiology</i> , 2013, 16, 100-107.                                     | 2.3  | 179       |

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|----|--|-----|-----------|
| 19 | Chaperone-Usher Fimbriae of <i>Escherichia coli</i> . PLoS ONE, 2013, 8, e52835.   | 1.1 | 179       |
| 20 | Novel Roles for the AIDA Adhesin from Diarrheagenic <i>Escherichia coli</i> : Cell Aggregation and Biofilm Formation. Journal of Bacteriology, 2004, 186, 8058-8065.   | 1.0 | 174       |
| 21 | Functional Analysis of Antigen 43 in Uropathogenic <i>Escherichia coli</i> Reveals a Role in Long-Term Persistence in the Urinary Tract. Infection and Immunity, 2007, 75, 3233-3244.                              | 1.0 | 174       |
| 22 | Sequential Acquisition of Virulence and Fluoroquinolone Resistance Has Shaped the Evolution of <i>Escherichia coli</i> ST131. MBio, 2016, 7, e00347-16.  | 1.8 | 164       |
| 23 | Metal ions in macrophage antimicrobial pathways: emerging roles for zinc and copper. Bioscience Reports, 2013, 33, .   | 1.1 | 158       |
| 24 | The Asymptomatic Bacteriuria <i>Escherichia coli</i> Strain 83972 Outcompetes Uropathogenic <i>E. coli</i> Strains in Human Urine. Infection and Immunity, 2006, 74, 615-624.                                      | 1.0 | 157       |
| 25 | The Origin and Fate of Herniated Lumbar Intervertebral Disc Tissue. Spine, 1996, 21, 2149-2155.  | 1.0 | 149       |
| 26 | The Serum Resistome of a Globally Disseminated Multidrug Resistant Uropathogenic <i>Escherichia coli</i> Clone. PLoS Genetics, 2013, 9, e1003834.  | 1.5 | 146       |
| 27 | Antigen 43 facilitates formation of multispecies biofilms. Environmental Microbiology, 2000, 2, 695-702.   | 1.8 | 142       |
| 28 | Copper redistribution in murine macrophages in response to <i>Salmonella</i> infection. Biochemical Journal, 2012, 444, 51-57.   | 1.7 | 136       |
| 29 | Capsule and Fimbria Interaction in <i>Klebsiella pneumoniae</i> . Infection and Immunity, 2005, 73, 4626-4633.   | 1.0 | 134       |
| 30 | Structure-function analysis of the self-recognizing Antigen 43 autotransporter protein from <i>Escherichia coli</i> . Molecular Microbiology, 2003, 51, 283-296.   | 1.2 | 128       |
| 31 | UpaG, a New Member of the Trimeric Autotransporter Family of Adhesins in Uropathogenic <i>Escherichia coli</i> . Journal of Bacteriology, 2008, 190, 4147-4161.  | 1.0 | 128       |
| 32 | Molecular Characterization of the Toxic Cyanobacterium <i>Cylindrospermopsis raciborskii</i> and Design of a Species-Specific PCR. Applied and Environmental Microbiology, 2000, 66, 332-338.                      | 1.4 | 120       |
| 33 | Molecular Characterization of the <i>Escherichia coli</i> Asymptomatic Bacteriuria Strain 83972: the Taming of a Pathogen. Infection and Immunity, 2006, 74, 781-785.  | 1.0 | 120       |
| 34 | Biofilm Formation in a Hydrodynamic Environment by Novel FimH Variants and Ramifications for Virulence. Infection and Immunity, 2001, 69, 1322-1328.   | 1.0 | 119       |
| 35 | A FimH Inhibitor Prevents Acute Bladder Infection and Treats Chronic Cystitis Caused by Multidrug-Resistant Uropathogenic <i>Escherichia coli</i> ST131. Journal of Infectious Diseases, 2013, 208, 921-928.       | 1.9 | 116       |
| 36 | The Complete Genome Sequence of <i>Escherichia coli</i> EC958: A High Quality Reference Sequence for the Globally Disseminated Multidrug Resistant <i>E. coli</i> O25b:H4-ST131 Clone. PLoS ONE, 2014, 9, e104400. | 1.1 | 116       |

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|----|---|-----|-----------|
| 37 | The antigen 43 structure reveals a molecular Velcro-like mechanism of autotransporter-mediated bacterial clumping. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 457-462. | 3.3 | 116       |
| 38 | Stepwise evolution of pandrug-resistance in <i>Klebsiella pneumoniae</i> . Scientific Reports, 2015, 5, 15082.  | 1.6 | 115       |
| 39 | Autotransporter proteins: novel targets at the bacterial cell surface. FEMS Microbiology Letters, 2007, 274, 163-172.   | 0.7 | 113       |
| 40 | EhaA is a novel autotransporter protein of enterohemorrhagic <i>Escherichia coli</i> O157:H7 that contributes to adhesion and biofilm formation. Environmental Microbiology, 2008, 10, 589-604.                         | 1.8 | 112       |
| 41 | Sequestration of Zinc Oxide by Fimbrial Designer Chelators. Applied and Environmental Microbiology, 2000, 66, 10-14.  | 1.4 | 110       |
| 42 | Differential Expression of the <i>Escherichia coli</i> Autoaggregation Factor Antigen 43. Journal of Bacteriology, 2003, 185, 2236-2242.  | 1.0 | 108       |
| 43 | Identification of IncA/C Plasmid Replication and Maintenance Genes and Development of a Plasmid Multilocus Sequence Typing Scheme. Antimicrobial Agents and Chemotherapy, 2017, 61, .                                   | 1.4 | 106       |
| 44 | The role of F9 fimbriae of uropathogenic <i>Escherichia coli</i> in biofilm formation. Microbiology (United Kingdom) 101, 101-110.  | 0.7 | 101       |
| 45 | Identification of Type 3 Fimbriae in Uropathogenic <i>Escherichia coli</i> Reveals a Role in Biofilm Formation. Journal of Bacteriology, 2008, 190, 1054-1063.  | 1.0 | 98        |
| 46 | The Multi-Copper-Ion Oxidase CueO of <i>Salmonella enterica</i> Serovar Typhimurium Is Required for Systemic Virulence. Infection and Immunity, 2010, 78, 2312-2319.  | 1.0 | 98        |
| 47 | Role of Capsule and O Antigen in the Virulence of Uropathogenic <i>Escherichia coli</i> . PLoS ONE, 2014, 9, e94786.  | 1.1 | 98        |
| 48 | Uropathogenic <i>Escherichia coli</i> Mediated Urinary Tract Infection. Current Drug Targets, 2012, 13, 1386-1399.  | 1.0 | 97        |
| 49 | Structure and Function of DsbA, a Key Bacterial Oxidative Folding Catalyst. Antioxidants and Redox Signaling, 2011, 14, 1729-1760.  | 2.5 | 96        |
| 50 | Contribution of Siderophore Systems to Growth and Urinary Tract Colonization of Asymptomatic Bacteriuria <i>Escherichia coli</i> . Infection and Immunity, 2012, 80, 333-344.   | 1.0 | 96        |
| 51 | Antigen 43 from <i>Escherichia coli</i> Induces Inter- and Intraspecies Cell Aggregation and Changes in Colony Morphology of <i>Pseudomonas fluorescens</i> . Journal of Bacteriology, 2000, 182, 4789-4796.            | 1.0 | 94        |
| 52 | Virulence properties of asymptomatic bacteriuria <i>Escherichia coli</i> . International Journal of Medical Microbiology, 2009, 299, 53-63.   | 1.5 | 91        |
| 53 | <i>Salmonella</i> employs multiple mechanisms to subvert the TLR-induced zinc-mediated antimicrobial response of human macrophages. FASEB Journal, 2016, 30, 1901-1912.   | 0.2 | 91        |
| 54 | Antigen 43 and Type 1 Fimbriae Determine Colony Morphology of <i>Escherichia coli</i> K-12. Journal of Bacteriology, 2000, 182, 1089-1095.  | 1.0 | 90        |

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|----|--|-----|-----------|
| 55 | The coâ€transcriptome of uropathogenic<sc><i>E</i></sc><i>scherichia coli</i> â€infecting mouse macrophages reveals new insights into hostâ€pathogen interactions. Cellular Microbiology, 2015, 17, 730-746.   | 1.1 | 90        |
| 56 | Innate Transcriptional Networks Activated in Bladder in Response to Uropathogenic <i>Escherichia coli</i> Drive Diverse Biological Pathways and Rapid Synthesis of IL-10 for Defense against Bacterial Urinary Tract Infection. Journal of Immunology, 2012, 188, 781-792. | 0.4 | 87        |
| 57 | FimH-mediated autoaggregation of Escherichia coli. Molecular Microbiology, 2001, 41, 1419-1430.  | 1.2 | 84        |
| 58 | Functional Flexibility of the FimH Adhesin: Insights from a Random Mutant Library. Infection and Immunity, 2000, 68, 2638-2646.  | 1.0 | 83        |
| 59 | Asymptomatic bacteriuria Escherichia coli strain 83972 carries mutations in the foc locus and is unable to express F1C fimbriae. Microbiology (United Kingdom), 2006, 152, 1799-1806.  | 0.7 | 81        |
| 60 | Ribotyping of Helicobacter pylori from clinical specimens. Journal of Clinical Microbiology, 1992, 30, 1562-1567.  | 1.8 | 81        |
| 61 | Identification of Novel Vaccine Candidates against Multidrug-Resistant Acinetobacter baumannii. PLoS ONE, 2013, 8, e77631.   | 1.1 | 80        |
| 62 | Bioaccumulation of heavy metals by fimbrial designer adhesins. FEMS Microbiology Letters, 1999, 170, 363-371.  | 0.7 | 79        |
| 63 | Antigen-43-mediated autoaggregation impairs motility in Escherichia coli. Microbiology (United Tj ETQq1 1 0.784314 rgBT /Overlock  | 0.7 | 78        |
| 64 | UpaH Is a Newly Identified Autotransporter Protein That Contributes to Biofilm Formation and Bladder Colonization by Uropathogenic <i>Escherichia coli</i> CFT073. Infection and Immunity, 2010, 78, 1659-1669.  | 1.0 | 77        |
| 65 | Molecular Characterization of UpaB and UpaC, Two New Autotransporter Proteins of Uropathogenic Escherichia coli CFT073. Infection and Immunity, 2012, 80, 321-332.   | 1.0 | 77        |
| 66 | Molecular Epidemiology of Multidrug-Resistant <i>Acinetobacter baumannii</i> in a Single Institution over a 10-Year Period. Journal of Clinical Microbiology, 2010, 48, 4051-4056.   | 1.8 | 76        |
| 67 | Population dynamics of an Escherichia coli ST131 lineage during recurrent urinary tract infection. Nature Communications, 2019, 10, 3643.  | 5.8 | 76        |
| 68 | Coordinate gene regulation by fimbriae-induced signal transduction. EMBO Journal, 2001, 20, 3074-3081.   | 3.5 | 75        |
| 69 | Diversity of Group B Streptococcus Serotypes Causing Urinary Tract Infection in Adults. Journal of Clinical Microbiology, 2009, 47, 2055-2060.   | 1.8 | 75        |
| 70 | Differential temperature modulation by H-NS of the fimB and fimE recombinase genes which control the orientation of the type 1 fimbrial phase switch. FEMS Microbiology Letters, 1998, 162, 17-23.   | 0.7 | 74        |
| 71 | Strain- and host species-specific inflammasome activation, IL-1 $\beta$ release, and cell death in macrophages infected with uropathogenic Escherichia coli. Mucosal Immunology, 2016, 9, 124-136.   | 2.7 | 74        |
| 72 | <i>Mycobacterium tuberculosis</i> requires glyoxylate shunt and reverse methylcitrate cycle for lactate and pyruvate metabolism. Molecular Microbiology, 2019, 112, 1284-1307.   | 1.2 | 74        |

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|----|---|-----|-----------|
| 73 | Mechanism of Bacterial Interference with TLR4 Signaling by Brucella Toll/Interleukin-1 Receptor Domain-containing Protein TcpB. <i>Journal of Biological Chemistry</i> , 2014, 289, 654-668.  | 1.6 | 73        |
| 74 | Characterization of Two Homologous Disulfide Bond Systems Involved in Virulence Factor Biogenesis in Uropathogenic <i>Escherichia coli</i> CFT073. <i>Journal of Bacteriology</i> , 2009, 191, 3901-3908.   | 1.0 | 71        |
| 75 | The Essential $\hat{I}^2$ -Barrel Assembly Machinery Complex Components BamD and BamA Are Required for Autotransporter Biogenesis. <i>Journal of Bacteriology</i> , 2011, 193, 4250-4253.   | 1.0 | 70        |
| 76 | Mellowing Out: Adaptation to Commensalism by <i>Escherichia coli</i> Asymptomatic Bacteriuria Strain 83972. <i>Infection and Immunity</i> , 2007, 75, 3688-3695.  | 1.0 | 69        |
| 77 | Molecular Analysis of the <i>Acinetobacter baumannii</i> Biofilm-Associated Protein. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6535-6543.   | 1.4 | 68        |
| 78 | Molecular Characterization of the EhaG and UpaG Trimeric Autotransporter Proteins from Pathogenic <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 2179-2189.  | 1.4 | 65        |
| 79 | Molecular analysis of type 3 fimbrial genes from <i>Escherichia coli</i> , <i>Klebsiella</i> and <i>Citrobacter</i> species. <i>BMC Microbiology</i> , 2010, 10, 183.   | 1.3 | 64        |
| 80 | The <i>Escherichia coli</i> K-12 <i>gntP</i> gene allows <i>E. coli</i> F-18 to occupy a distinct nutritional niche in the streptomycin-treated mouse large intestine. <i>Infection and Immunity</i> , 1996, 64, 3497-3503.                                 | 1.0 | 64        |
| 81 | A virulent parent with probiotic progeny: comparative genomics of <i>Escherichia coli</i> strains CFT073, Nissle 1917 and ABU 83972. <i>Molecular Genetics and Genomics</i> , 2010, 283, 469-484.   | 1.0 | 63        |
| 82 | For when bacterial infections persist: Toll-like receptor-inducible direct antimicrobial pathways in macrophages. <i>Journal of Leukocyte Biology</i> , 2018, 103, 35-51.   | 1.5 | 63        |
| 83 | <i>Helicobacter pylori</i> prevalence in endoscopy and medical staff. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1994, 9, 319-324.   | 1.4 | 62        |
| 84 | Antigen 43-Mediated Autotransporter Display, a Versatile Bacterial Cell Surface Presentation System. <i>Journal of Bacteriology</i> , 2002, 184, 4197-4204.   | 1.0 | 62        |
| 85 | Intramacrophage survival of uropathogenic <i>Escherichia coli</i> : Differences between diverse clinical isolates and between mouse and human macrophages. <i>Immunobiology</i> , 2011, 216, 1164-1171.   | 0.8 | 61        |
| 86 | A comparison of diagnostic tests to determine <i>Helicobacter pylori</i> infection. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1992, 7, 203-209.   | 1.4 | 60        |
| 87 | Uropathogenic <i>Escherichia coli</i> employs both evasion and resistance to subvert innate immune-mediated zinc toxicity for dissemination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6341-6350. | 3.3 | 60        |
| 88 | Copper(II)-Bis(Thiosemicarbazonato) Complexes as Antibacterial Agents: Insights into Their Mode of Action and Potential as Therapeutics. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6444-6453.  | 1.4 | 59        |
| 89 | Interplay between tolerance mechanisms to copper and acid stress in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6818-6823.  | 3.3 | 57        |
| 90 | Linker insertion analysis of the FimH adhesin of type 1 fimbriae in an <i>Escherichia coli</i> <i>fimH</i> -null background. <i>FEMS Microbiology Letters</i> , 1996, 137, 257-263.   | 0.7 | 56        |

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|-----|--|-----|-----------|
| 91  | Epithelial Cell Coculture Models for Studying Infectious Diseases: Benefits and Limitations. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-9.  | 3.0 | 56        |
| 92  | Whole genome analysis of cephalosporin-resistant <i>Escherichia coli</i> from bloodstream infections in Australia, New Zealand and Singapore: high prevalence of CMY-2 producers and ST131 carrying blaCTX-M-15 and blaCTX-M-27. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 634-642. | 1.3 | 56        |
| 93  | Chemical Synergy between Ionophore PBT2 and Zinc Reverses Antibiotic Resistance. <i>MBio</i> , 2018, 9, .  | 1.8 | 56        |
| 94  | Conjugative Plasmid Transfer and Adhesion Dynamics in an <i>Escherichia coli</i> Biofilm. <i>Applied and Environmental Microbiology</i> , 2009, 75, 6783-6791.   | 1.4 | 54        |
| 95  | Autotransporters of <i>Escherichia coli</i> : a sequence-based characterization. <i>Microbiology (United Kingdom)</i> 157:1073-1083. doi:10.1099/mic/0/000000.0  | 0.7 | 53        |
| 96  | Comparative Genomics of <i>Escherichia coli</i> Strains Causing Urinary Tract Infections. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3268-3278.   | 1.4 | 53        |
| 97  | Comparative proteomics of uropathogenic <i>Escherichia coli</i> during growth in human urine identify UCA-like (UCL) fimbriae as an adherence factor involved in biofilm formation and binding to uroepithelial cells. <i>Journal of Proteomics</i> , 2016, 131, 177-189.                          | 1.2 | 53        |
| 98  | Novel Zn <sup>2+</sup> -Chelating Peptides Selected from a Fimbria-Displayed Random Peptide Library. <i>Applied and Environmental Microbiology</i> , 2001, 67, 5467-5473.  | 1.4 | 52        |
| 99  | Effective assembly of fimbriae in <i>Escherichia coli</i> depends on the translocation assembly module nanomachine. <i>Nature Microbiology</i> , 2016, 1, 16064.   | 5.9 | 52        |
| 100 | The cytochrome bd-I respiratory oxidase augments survival of multidrug-resistant <i>Escherichia coli</i> during infection. <i>Scientific Reports</i> , 2016, 6, 35285.   | 1.6 | 51        |
| 101 | Phosphate concentration regulates transcription of the <i>Acinetobacter</i> polyhydroxyalkanoic acid biosynthetic genes. <i>Journal of Bacteriology</i> , 1995, 177, 4501-4507.  | 1.0 | 49        |
| 102 | DNA microarray analysis of fim mutations in <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 2002, 267, 721-729.   | 1.0 | 49        |
| 103 | An antioxidant role for catechol siderophores in <i>Salmonella</i> . <i>Biochemical Journal</i> , 2013, 454, 543-549.  | 1.7 | 49        |
| 104 | Mechanisms Involved in Acquisition of bla <sub>NDM</sub> Genes by IncA/C <sub>2</sub> and IncFII <sub>Y</sub> Plasmids. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4082-4088.  | 1.4 | 49        |
| 105 | Hospital-wide Eradication of a Nosocomial <i>Legionella pneumophila</i> Serogroup 1 Outbreak. <i>Clinical Infectious Diseases</i> , 2016, 62, 273-279.   | 2.9 | 49        |
| 106 | Discovery of mcr-1-Mediated Colistin Resistance in a Highly Virulent <i>Escherichia coli</i> Lineage. <i>MSphere</i> , 2018, 3, .  | 1.3 | 48        |
| 107 | Molecular Characterization of a Multidrug Resistance IncF Plasmid from the Globally Disseminated <i>Escherichia coli</i> ST131 Clone. <i>PLoS ONE</i> , 2015, 10, e0122369.  | 1.1 | 48        |
| 108 | Do type 1 fimbriae promote inflammation in the human urinary tract?. <i>Cellular Microbiology</i> , 2007, 9, 1766-1781.  | 1.1 | 47        |

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|-----|---|-----|-----------|
| 109 | Structural and Functional Characterization of Three DsbA Paralogues from <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Biological Chemistry</i> , 2010, 285, 18423-18432.   | 1.6 | 47        |
| 110 | The <i>Escherichia coli</i> O157:H7 EhaB autotransporter protein binds to laminin and collagen I and induces a serum IgA response in O157:H7 challenged cattle. <i>Environmental Microbiology</i> , 2009, 11, 1803-1814.  | 1.8 | 46        |
| 111 | Genome-Wide Mapping of Cystitis Due to <i>Streptococcus agalactiae</i> and <i>Escherichia coli</i> in Mice Identifies a Unique Bladder Transcriptome That Signifies Pathogen-Specific Antimicrobial Defense against Urinary Tract Infection. <i>Infection and Immunity</i> , 2012, 80, 3145-3160. | 1.0 | 46        |
| 112 | Omics Approaches to Study Uropathogenic <i>Escherichia coli</i> Virulence. <i>Trends in Microbiology</i> , 2017, 25, 729-740.   | 3.5 | 46        |
| 113 | Group B <i>Streptococcus</i> (GBS) Urinary Tract Infection Involves Binding of GBS to Bladder Uroepithelium and Potent but GBS-Specific Induction of Interleukin 11. <i>Journal of Infectious Diseases</i> , 2010, 201, 866-870.  | 1.9 | 45        |
| 114 | Single Clinical Isolates from Acute Uncomplicated Urinary Tract Infections Are Representative of Dominant <i>In Situ</i> Populations. <i>MBio</i> , 2014, 5, e01064-13.   | 1.8 | 45        |
| 115 | Expression and purification of the mannose recognition domain of the FimH adhesin. <i>FEMS Microbiology Letters</i> , 2000, 188, 147-151.   | 0.7 | 44        |
| 116 | Control of an Outbreak of Carbapenem-Resistant <i>Acinetobacter baumannii</i> in Australia after Introduction of Environmental Cleaning with a Commercial Oxidizing Disinfectant. <i>Infection Control and Hospital Epidemiology</i> , 2010, 31, 418-420.   | 1.0 | 44        |
| 117 | F9 Fimbriae of Uropathogenic <i>Escherichia coli</i> Are Expressed at Low Temperature and Recognise Gal $\beta$ 1-3GlcNAc-Containing Glycans. <i>PLoS ONE</i> , 2014, 9, e93177.  | 1.1 | 43        |
| 118 | Urinary tract infection of mice to model human disease: Practicalities, implications and limitations. <i>Critical Reviews in Microbiology</i> , 2016, 42, 1-20.   | 2.7 | 43        |
| 119 | A Novel Protective Vaccine Antigen from the Core <i>Escherichia coli</i> Genome. <i>MSphere</i> , 2016, 1, .  | 1.3 | 43        |
| 120 | Genome-Wide Discovery of Genes Required for Capsule Production by Uropathogenic <i>Escherichia coli</i> . <i>MBio</i> , 2017, 8, .  | 1.8 | 43        |
| 121 | Molecular Characterization of the <i>Escherichia coli</i> FimH Adhesin. <i>Journal of Infectious Diseases</i> , 2001, 183, S28-S31.   | 1.9 | 42        |
| 122 | Intestinal Colonization Traits of Pandemic Multidrug-Resistant <i>Escherichia coli</i> ST131. <i>Journal of Infectious Diseases</i> , 2018, 218, 979-990.   | 1.9 | 42        |
| 123 | Modifications in the <i>pmrB</i> gene are the primary mechanism for the development of chromosomally encoded resistance to polymyxins in uropathogenic <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 2729-2736.  | 1.3 | 41        |
| 124 | Fimbrial surface display systems in bacteria: from vaccines to random libraries. <i>Microbiology (United Kingdom)</i> 2017, 161, 107-117.   | 6.7 | 40        |
| 125 | Molecular Characterization of the Multidrug Resistant <i>Escherichia coli</i> ST131 Clone. <i>Pathogens</i> , 2015, 4, 422-430.   | 1.2 | 39        |
| 126 | Uropathogenic <i>Escherichia coli</i> Engages CD14-Dependent Signaling to Enable Bladder-Macrophage-Dependent Control of Acute Urinary Tract Infection. <i>Journal of Infectious Diseases</i> , 2016, 213, 659-668.   | 1.9 | 39        |



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|-----|--|-----|-----------|
| 127 | Identification of Genes Important for Growth of Asymptomatic Bacteriuria <i>Escherichia coli</i> in Urine. <i>Infection and Immunity</i> , 2012, 80, 3179-3188.  | 1.0 | 38        |
| 128 | Regulation of hemolysin in uropathogenic <i>Escherichia coli</i> fine-tunes killing of human macrophages. <i>Virulence</i> , 2018, 9, 967-980.   | 1.8 | 38        |
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