

Mark A Schembri

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.

233
papers

13,595
citations

63
h-index

107
g-index

249
ext. papers

16,126
ext. citations

5.9
avg, IF

6.24
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 233 | Differential Afa/Dr Fimbriae Expression in the Multidrug-Resistant Escherichia coli ST131 Clone.. <i>MBio</i> , 2022 , e0351921 | 7.8 | 2 |
| 232 | Rescuing Tetracycline Class Antibiotics for the Treatment of Multidrug-Resistant Acinetobacter baumannii Pulmonary Infection.. <i>MBio</i> , 2022 , e0351721 | 7.8 | 1 |
| 231 | Variation of Antigen 43 self-association modulates bacterial compacting within aggregates and biofilms.. <i>Npj Biofilms and Microbiomes</i> , 2022 , 8, 20 | 8.2 | 1 |
| 230 | Gut-bladder axis in recurrent UTI.. <i>Nature Microbiology</i> , 2022 , 7, 601-602 | 26.6 | 0 |
| 229 | Plasmid-mediated ciprofloxacin resistance imparts a selective advantage on ST131. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , AAC0214621 | 5.9 | 1 |
| 228 | Genomic surveillance, characterization and intervention of a polymicrobial multidrug-resistant outbreak in critical care. <i>Microbial Genomics</i> , 2021 , 7, | 4.4 | 6 |
| 227 | Genome profiling of fluoroquinolone-resistant uropathogenic Escherichia coli isolates from Brazil. <i>Brazilian Journal of Microbiology</i> , 2021 , 52, 1067-1075 | 2.2 | 0 |
| 226 | MicroPIPE: validating an end-to-end workflow for high-quality complete bacterial genome construction. <i>BMC Genomics</i> , 2021 , 22, 474 | 4.5 | 1 |
| 225 | An alloy of zinc and innate immunity: Galvanising host defence against infection. <i>Cellular Microbiology</i> , 2021 , 23, e13268 | 3.9 | 5 |
| 224 | Characterization of DtrJ as an IncC plasmid conjugative DNA transfer component. <i>Molecular Microbiology</i> , 2021 , 116, 154-167 | 4.1 | 0 |
| 223 | Discovery of Bacterial Fimbria-Glycan Interactions Using Whole-Cell Recombinant Escherichia coli Expression. <i>MBio</i> , 2021 , 12, | 7.8 | 1 |
| 222 | Bacteriophage isolated from non-target bacteria demonstrates broad host range infectivity against multidrug-resistant bacteria. <i>Environmental Microbiology</i> , 2021 , 23, 5569-5586 | 5.2 | 1 |
| 221 | Frontline Science: LPS-inducible SLC30A1 drives human macrophage-mediated zinc toxicity against intracellular Escherichia coli. <i>Journal of Leukocyte Biology</i> , 2021 , 109, 287-297 | 6.5 | 5 |
| 220 | Modified horseshoe crab peptides target and kill bacteria inside host cells.. <i>Cellular and Molecular Life Sciences</i> , 2021 , | 10.3 | 3 |
| 219 | Antimicrobial Resistance in ESKAPE Pathogens. <i>Clinical Microbiology Reviews</i> , 2020 , 33, | 34 | 290 |
| 218 | Uncovering novel susceptibility targets to enhance the efficacy of third-generation cephalosporins against ESBL-producing uropathogenic Escherichia coli. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 1415-1423 | 5.1 | 3 |
| 217 | Integrating multiple genomic technologies to investigate an outbreak of carbapenemase-producing Enterobacter hormaechei. <i>Nature Communications</i> , 2020 , 11, 466 | 17.4 | 14 |

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| 216 | Oral cephalosporin and β -lactamase inhibitor combinations for ESBL-producing Enterobacteriaceae urinary tract infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 2384-2393 | 5.1 | 16 |
| 215 | Genomic analysis of carbapenemase-producing in Queensland reveals widespread transmission of an IncHI2 plasmid. <i>Microbial Genomics</i> , 2020 , 6, | 4.4 | 7 |
| 214 | Companion Animals Are Spillover Hosts of the Multidrug-Resistant Human Extraintestinal Pandemic Clones ST131 and ST1193. <i>Frontiers in Microbiology</i> , 2020 , 11, 1968 | 5.7 | 19 |
| 213 | Repurposing a neurodegenerative disease drug to treat Gram-negative antibiotic-resistant bacterial sepsis. <i>Science Translational Medicine</i> , 2020 , 12, | 17.5 | 13 |
| 212 | Restriction of chronic Escherichia coli urinary tract infection depends upon T cell-derived interleukin-17, a deficiency of which predisposes to flagella-driven bacterial persistence. <i>FASEB Journal</i> , 2020 , 34, 14572-14587 | 0.9 | 7 |
| 211 | Comprehensive analysis of IncC plasmid conjugation identifies a crucial role for the transcriptional regulator AcaB. <i>Nature Microbiology</i> , 2020 , 5, 1340-1348 | 26.6 | 6 |
| 210 | Physical Extraction and Fast Protein Liquid Chromatography for Purifying Flagella Filament From Uropathogenic for Immune Assay. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 118 | 5.9 | 4 |
| 209 | Unique structural features of a bacterial autotransporter adhesin suggest mechanisms for interaction with host macromolecules. <i>Nature Communications</i> , 2019 , 10, 1967 | 17.4 | 11 |
| 208 | Uropathogenic 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 | 11.5 | 25 |
| 207 | Variation in hemolysin A expression between uropathogenic isolates determines NLRP3-dependent -independent macrophage cell death and host colonization. <i>FASEB Journal</i> , 2019 , 33, 7437-7450 | 0.9 | 9 |
| 206 | Mycobacterium tuberculosis requires glyoxylate shunt and reverse methylcitrate cycle for lactate and pyruvate metabolism. <i>Molecular Microbiology</i> , 2019 , 112, 1284-1307 | 4.1 | 39 |
| 205 | Population dynamics of an Escherichia coli ST131 lineage during recurrent urinary tract infection. <i>Nature Communications</i> , 2019 , 10, 3643 | 17.4 | 36 |
| 204 | Complex Multilevel Control of Hemolysin Production by Uropathogenic Escherichia coli. <i>MBio</i> , 2019 , 10, | 7.8 | 6 |
| 203 | Rapid Bladder Interleukin-10 Synthesis in Response to Uropathogenic Escherichia coli Is Part of a Defense Strategy Triggered by the Major Bacterial Flagellar Filament FliC and Contingent on TLR5. <i>MSphere</i> , 2019 , 4, | 5 | 10 |
| 202 | Bioinformatic and Molecular Analysis of Inverse Autotransporters from Escherichia coli. <i>MSphere</i> , 2019 , 4, | 5 | 4 |
| 201 | Intestinal Colonization Traits of Pandemic Multidrug-Resistant Escherichia coli ST131. <i>Journal of Infectious Diseases</i> , 2018 , 218, 979-990 | 7 | 24 |
| 200 | Whole genome analysis of cephalosporin-resistant Escherichia coli 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 | 5.1 | 36 |
| 199 | Regulation of hemolysin in uropathogenic Escherichia coli fine-tunes killing of human macrophages. <i>Virulence</i> , 2018 , 9, 967-980 | 4.7 | 22 |

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| 198 | Molecular basis for the folding of Helical autotransporter passenger domains. <i>Nature Communications</i> , 2018 , 9, 1395 | 17.4 | 8 |
| 197 | Bacterial pathogenesis and interleukin-17: interconnecting mechanisms of immune regulation, host genetics, and microbial virulence that influence severity of infection. <i>Critical Reviews in Microbiology</i> , 2018 , 44, 465-486 | 7.8 | 17 |
| 196 | For when bacterial infections persist: Toll-like receptor-inducible direct antimicrobial pathways in macrophages. <i>Journal of Leukocyte Biology</i> , 2018 , 103, 35-51 | 6.5 | 32 |
| 195 | The urinary microbiome in patients with refractory urge incontinence and recurrent urinary tract infection. <i>International Urogynecology Journal</i> , 2018 , 29, 1775-1782 | 2 | 22 |
| 194 | Identification and Characterization of a Phase-Variable Element That Regulates the Autotransporter UpaE in Uropathogenic Escherichia coli. <i>MBio</i> , 2018 , 9, | 7.8 | 4 |
| 193 | Discovery of New Genes Involved in Curli Production by a Uropathogenic Escherichia coli Strain from the Highly Virulent O45:K1:H7 Lineage. <i>MBio</i> , 2018 , 9, | 7.8 | 20 |
| 192 | Copper Ions and Coordination Complexes as Novel Carbapenem Adjuvants. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62, | 5.9 | 23 |
| 191 | Clay nanoparticles co-deliver three antigens to promote potent immune responses against pathogenic Escherichia coli. <i>Journal of Controlled Release</i> , 2018 , 292, 196-209 | 11.7 | 12 |
| 190 | Chemical Synergy between Ionophore PBT2 and Zinc Reverses Antibiotic Resistance. <i>MBio</i> , 2018 , 9, | 7.8 | 31 |
| 189 | Discovery of -Mediated Colistin Resistance in a Highly Virulent Escherichia coli Lineage. <i>MSphere</i> , 2018 , 3, | 5 | 30 |
| 188 | A Novel Method of Serum Resistance by Escherichia coli That Causes Urosepsis. <i>MBio</i> , 2018 , 9, | 7.8 | 13 |
| 187 | Omics Approaches to Study Uropathogenic Escherichia coli Virulence. <i>Trends in Microbiology</i> , 2017 , 25, 729-740 | 12.4 | 14 |
| 186 | Interplay between tolerance mechanisms to copper and acid stress in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6818-6823 | 11.5 | 36 |
| 185 | Genome-Wide Discovery of Genes Required for Capsule Production by Uropathogenic. <i>MBio</i> , 2017 , 8, | 7.8 | 29 |
| 184 | Crystal Structures of Staphylococcus aureus Ketol-Acid Reductoisomerase in Complex with Two Transition State Analogues that Have Biocidal Activity. <i>Chemistry - A European Journal</i> , 2017 , 23, 18289-18295 | 4.8 | 16 |
| 183 | YeeJ is an inverse autotransporter from Escherichia coli that binds to peptidoglycan and promotes biofilm formation. <i>Scientific Reports</i> , 2017 , 7, 11326 | 4.9 | 12 |
| 182 | A shape-shifting redox foldase contributes to Proteus mirabilis copper resistance. <i>Nature Communications</i> , 2017 , 8, 16065 | 17.4 | 15 |
| 181 | Modifications in the pmrB gene are the primary mechanism for the development of chromosomally encoded resistance to polymyxins in uropathogenic Escherichia coli. <i>Journal of Antimicrobial Chemotherapy</i> , 2017 , 72, 2729-2736 | 5.1 | 28 |

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| 180 | Structure-function analyses of a pertussis-like toxin from pathogenic reveal a distinct mechanism of inhibition of trimeric G-proteins. <i>Journal of Biological Chemistry</i> , 2017 , 292, 15143-15158 | 5.4 | 12 |
| 179 | Identification of IncA/C Plasmid Replication and Maintenance Genes and Development of a Plasmid Multilocus Sequence Typing Scheme. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61, | 5.9 | 73 |
| 178 | Novel genes associated with enhanced motility of Escherichia coli ST131. <i>PLoS ONE</i> , 2017 , 12, e0176290 | 3.7 | 20 |
| 177 | Bacterial pathogenesis: Remodelling recurrent infection. <i>Nature Microbiology</i> , 2016 , 2, 16256 | 26.6 | 2 |
| 176 | Urinary tract infection of mice to model human disease: Practicalities, implications and limitations. <i>Critical Reviews in Microbiology</i> , 2016 , 42, 780-99 | 7.8 | 35 |
| 175 | Effective assembly of fimbriae in Escherichia coli depends on the translocation assembly module nanomachine. <i>Nature Microbiology</i> , 2016 , 1, 16064 | 26.6 | 38 |
| 174 | The cytochrome bd-I respiratory oxidase augments survival of multidrug-resistant Escherichia coli during infection. <i>Scientific Reports</i> , 2016 , 6, 35285 | 4.9 | 34 |
| 173 | Strain- and host species-specific inflammasome activation, IL-1 β release, and cell death in macrophages infected with uropathogenic Escherichia coli. <i>Mucosal Immunology</i> , 2016 , 9, 124-36 | 9.2 | 57 |
| 172 | Comparative proteomics of uropathogenic Escherichia coli 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 | 3.9 | 38 |
| 171 | Molecular Characterization of the Vacuolating Autotransporter Toxin in Uropathogenic Escherichia coli. <i>Journal of Bacteriology</i> , 2016 , 198, 1487-98 | 3.5 | 21 |
| 170 | Salmonella employs multiple mechanisms to subvert the TLR-inducible zinc-mediated antimicrobial response of human macrophages. <i>FASEB Journal</i> , 2016 , 30, 1901-12 | 0.9 | 49 |
| 169 | Biofilms 2015: Multidisciplinary Approaches Shed Light into Microbial Life on Surfaces. <i>Journal of Bacteriology</i> , 2016 , 198, 2553-63 | 3.5 | 12 |
| 168 | Biofilm formation by multidrug resistant Escherichia coli ST131 is dependent on type 1 fimbriae and assay conditions. <i>Pathogens and Disease</i> , 2016 , 74, | 4.2 | 16 |
| 167 | Discovery and Characterization of Human-Urine Utilization by Asymptomatic-Bacteriuria-Causing Streptococcus agalactiae. <i>Infection and Immunity</i> , 2016 , 84, 307-19 | 3.7 | 15 |
| 166 | Uropathogenic Escherichia coli Engages CD14-Dependent Signaling to Enable Bladder-Macrophage-Dependent Control of Acute Urinary Tract Infection. <i>Journal of Infectious Diseases</i> , 2016 , 213, 659-68 | 7 | 24 |
| 165 | Hospital-wide Eradication of a Nosocomial Legionella pneumophila Serogroup 1 Outbreak. <i>Clinical Infectious Diseases</i> , 2016 , 62, 273-279 | 11.6 | 37 |
| 164 | Co-transcriptomic Analysis by RNA Sequencing to Simultaneously Measure Regulated Gene Expression in Host and Bacterial Pathogen. <i>Methods in Molecular Biology</i> , 2016 , 1390, 145-58 | 1.4 | 4 |
| 163 | Differential Regulation of the Surface-Exposed and Secreted SsIE Lipoprotein in Extraintestinal Pathogenic Escherichia coli. <i>PLoS ONE</i> , 2016 , 11, e0162391 | 3.7 | 8 |

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| 162 | Comprehensive analysis of type 1 fimbriae regulation in fimB-null strains from the multidrug resistant Escherichia coli ST131 clone. <i>Molecular Microbiology</i> , 2016 , 101, 1069-87 | 4.1 | 13 |
| 161 | Molecular and Structural Characterization of a Novel Escherichia coli Interleukin Receptor Mimic Protein. <i>MBio</i> , 2016 , 7, e02046 | 7.8 | 11 |
| 160 | A Novel Protective Vaccine Antigen from the Core Genome. <i>MSphere</i> , 2016 , 1, | 5 | 26 |
| 159 | Mechanisms Involved in Acquisition of blaNDM Genes by IncA/C2 and IncFIY Plasmids. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 4082-8 | 5.9 | 34 |
| 158 | Sequential Acquisition of Virulence and Fluoroquinolone Resistance Has Shaped the Evolution of Escherichia coli ST131. <i>MBio</i> , 2016 , 7, e00347-16 | 7.8 | 121 |
| 157 | Detection of intracellular bacteria in exfoliated urothelial cells from women with urge incontinence. <i>Pathogens and Disease</i> , 2016 , 74, | 4.2 | 14 |
| 156 | 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, 6444-53 | 5.9 | 44 |
| 155 | Third-generation cephalosporin resistance conferred by a chromosomally encoded blaCMY-23 gene in the Escherichia coli ST131 reference strain EC958. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 1969-72 | 5.1 | 9 |
| 154 | The emerging threat of multidrug-resistant Gram-negative bacteria in urology. <i>Nature Reviews Urology</i> , 2015 , 12, 570-84 | 5.5 | 204 |
| 153 | The co-transcriptome of uropathogenic Escherichia coli-infected mouse macrophages reveals new insights into host-pathogen interactions. <i>Cellular Microbiology</i> , 2015 , 17, 730-46 | 3.9 | 55 |
| 152 | Stepwise evolution of pandrug-resistance in Klebsiella pneumoniae. <i>Scientific Reports</i> , 2015 , 5, 15082 | 4.9 | 87 |
| 151 | Conserved features in TamA enable interaction with TamB to drive the activity of the translocation and assembly module. <i>Scientific Reports</i> , 2015 , 5, 12905 | 4.9 | 24 |
| 150 | Do you kiss your mother with that mouth? An authentic large-scale undergraduate research experience in mapping the human oral microbiome. <i>Journal of Microbiology and Biology Education</i> , 2015 , 16, 50-60 | 1.3 | 14 |
| 149 | The role of H4 flagella in Escherichia coli ST131 virulence. <i>Scientific Reports</i> , 2015 , 5, 16149 | 4.9 | 24 |
| 148 | Lineage-Specific Methyltransferases Define the Methylome of the Globally Disseminated Escherichia coli ST131 Clone. <i>MBio</i> , 2015 , 6, e01602-15 | 7.8 | 21 |
| 147 | Molecular Characterization of the Multidrug Resistant Escherichia coli ST131 Clone. <i>Pathogens</i> , 2015 , 4, 422-30 | 4.5 | 28 |
| 146 | Comparative analysis of the uropathogenic Escherichia coli surface proteome by tandem mass-spectrometry of artificially induced outer membrane vesicles. <i>Journal of Proteomics</i> , 2015 , 115, 93-106 | 3.9 | 26 |
| 145 | Molecular analysis of asymptomatic bacteriuria Escherichia coli strain VR50 reveals adaptation to the urinary tract by gene acquisition. <i>Infection and Immunity</i> , 2015 , 83, 1749-64 | 3.7 | 20 |

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| 144 | Molecular characterization of a multidrug resistance IncF plasmid from the globally disseminated Escherichia coli ST131 clone. <i>PLoS ONE</i> , 2015 , 10, e0122369 | 3.7 | 32 |
| 143 | Blocking the MIDAS touch of Enterococcus faecalis. <i>Annals of Translational Medicine</i> , 2015 , 3, S3 | 3.2 | 1 |
| 142 | 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, 654-68 | 5.4 | 47 |
| 141 | The multidrug resistance IncA/C transferable plasmid encodes a novel domain-swapped dimeric protein-disulfide isomerase. <i>Journal of Biological Chemistry</i> , 2014 , 289, 2563-76 | 5.4 | 6 |
| 140 | Evaluation of a multiplex PCR to identify and serotype Actinobacillus pleuropneumoniae serovars 1, 5, 7, 12 and 15. <i>Letters in Applied Microbiology</i> , 2014 , 59, 362-9 | 2.9 | 27 |
| 139 | F9 fimbriae of uropathogenic Escherichia coli are expressed at low temperature and recognise Gal β -3GlcNAc-containing glycans. <i>PLoS ONE</i> , 2014 , 9, e93177 | 3.7 | 30 |
| 138 | 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. <i>PLoS ONE</i> , 2014 , 9, e104400 | 3.7 | 75 |
| 137 | Global dissemination of a multidrug resistant Escherichia coli clone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5694-9 | 11.5 | 354 |
| 136 | Crystal structure of the dithiol oxidase DsbA enzyme from proteus mirabilis bound non-covalently to an active site peptide ligand. <i>Journal of Biological Chemistry</i> , 2014 , 289, 19810-22 | 5.4 | 15 |
| 135 | The antigen 43 structure reveals a molecular Velcro-like mechanism of autotransporter-mediated bacterial clumping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 457-62 | 11.5 | 88 |
| 134 | Single clinical isolates from acute uncomplicated urinary tract infections are representative of dominant in situ populations. <i>MBio</i> , 2014 , 5, e01064-13 | 7.8 | 27 |
| 133 | The Intimin-Like Protein FdeC Is Regulated by H-NS and Temperature in Enterohemorrhagic Escherichia coli. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7337-47 | 4.8 | 15 |
| 132 | Role of capsule and O antigen in the virulence of uropathogenic Escherichia coli. <i>PLoS ONE</i> , 2014 , 9, e94786 | 3.7 | 63 |
| 131 | Uropathogenic Escherichia coli virulence and innate immune responses during urinary tract infection. <i>Current Opinion in Microbiology</i> , 2013 , 16, 100-7 | 7.9 | 136 |
| 130 | Structural and functional characterization of ScsC, a periplasmic thioredoxin-like protein from Salmonella enterica serovar Typhimurium. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1494-506 | 8.4 | 21 |
| 129 | Molecular analysis of the Acinetobacter baumannii biofilm-associated protein. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6535-43 | 4.8 | 49 |
| 128 | Metal ions in macrophage antimicrobial pathways: emerging roles for zinc and copper. <i>Bioscience Reports</i> , 2013 , 33, | 4.1 | 109 |
| 127 | An antioxidant role for catechol siderophores in Salmonella. <i>Biochemical Journal</i> , 2013 , 454, 543-9 | 3.8 | 39 |

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| 126 | The serum resistome of a globally disseminated multidrug resistant uropathogenic <i>Escherichia coli</i> clone. <i>PLoS Genetics</i> , 2013 , 9, e1003834 | 6 | 106 |
| 125 | Molecular characterization of endocarditis-associated <i>Staphylococcus aureus</i> . <i>Journal of Clinical Microbiology</i> , 2013 , 51, 2131-8 | 9.7 | 20 |
| 124 | A FimH inhibitor prevents acute bladder infection and treats chronic cystitis caused by multidrug-resistant uropathogenic <i>Escherichia coli</i> ST131. <i>Journal of Infectious Diseases</i> , 2013 , 208, 921-8 | 7 | 96 |
| 123 | How much is too much assessment? Insight into assessment-driven student learning gains in large-scale undergraduate microbiology courses. <i>Journal of Microbiology and Biology Education</i> , 2013 , 14, 12-24 | 1.3 | 3 |
| 122 | Chaperone-usher fimbriae of <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2013 , 8, e52835 | 3.7 | 111 |
| 121 | Identification of novel vaccine candidates against multidrug-resistant <i>Acinetobacter baumannii</i> . <i>PLoS ONE</i> , 2013 , 8, e77631 | 3.7 | 56 |
| 120 | Human bladder uroepithelial cells synergize with monocytes to promote IL-10 synthesis and other cytokine responses to uropathogenic <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2013 , 8, e78013 | 3.7 | 17 |
| 119 | Cloning, expression, purification, crystallization and preliminary X-ray crystallographic analysis of the TIR domain from the <i>Brucella melitensis</i> TIR-domain-containing protein TcpB. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013 , 69, 1167-70 | | 1 |
| 118 | Vaccination approaches for the prevention of urinary tract infection. <i>Current Pharmaceutical Biotechnology</i> , 2013 , 14, 967-74 | 2.6 | 18 |
| 117 | Host-pathogen checkpoints and population bottlenecks in persistent and intracellular uropathogenic <i>Escherichia coli</i> bladder infection. <i>FEMS Microbiology Reviews</i> , 2012 , 36, 616-48 | 15.1 | 231 |
| 116 | A modified three-dose protocol for colonization of the canine urinary tract with the asymptomatic bacteriuria <i>Escherichia coli</i> strain 83972. <i>Veterinary Microbiology</i> , 2012 , 158, 446-50 | 3.3 | 7 |
| 115 | Immersing undergraduate students in the research experience. <i>Biochemistry and Molecular Biology Education</i> , 2012 , 40, 37-45 | 1.3 | 7 |
| 114 | Identification of genes important for growth of asymptomatic bacteriuria <i>Escherichia coli</i> in urine. <i>Infection and Immunity</i> , 2012 , 80, 3179-88 | 3.7 | 30 |
| 113 | Molecular characterization of UpaB and UpaC, two new autotransporter proteins of uropathogenic <i>Escherichia coli</i> CFT073. <i>Infection and Immunity</i> , 2012 , 80, 321-32 | 3.7 | 66 |
| 112 | Characterisation of a cell wall-anchored protein of <i>Staphylococcus saprophyticus</i> associated with linoleic acid resistance. <i>BMC Microbiology</i> , 2012 , 12, 8 | 4.5 | 15 |
| 111 | Discovery of an archetypal protein transport system in bacterial outer membranes. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 506-10, S1 | 17.6 | 157 |
| 110 | Copper redistribution in murine macrophages in response to <i>Salmonella</i> infection. <i>Biochemical Journal</i> , 2012 , 444, 51-7 | 3.8 | 104 |
| 109 | Molecular characterization of the EhaG and UpaG trimeric autotransporter proteins from pathogenic <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 2179-89 | 4.8 | 56 |

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|-----|--|------|-----|
| 108 | Molecular characterization of Escherichia coli strains that cause symptomatic and asymptomatic urinary tract infections. <i>Journal of Clinical Microbiology</i> , 2012 , 50, 1027-30 | 9.7 | 22 |
| 107 | Innate transcriptional networks activated in bladder in response to uropathogenic Escherichia coli drive diverse biological pathways and rapid synthesis of IL-10 for defense against bacterial urinary tract infection. <i>Journal of Immunology</i> , 2012 , 188, 781-92 | 5.3 | 71 |
| 106 | Functional heterogeneity of the UpaH autotransporter protein from uropathogenic Escherichia coli. <i>Journal of Bacteriology</i> , 2012 , 194, 5769-82 | 3.5 | 28 |
| 105 | Contribution of siderophore systems to growth and urinary tract colonization of asymptomatic bacteriuria Escherichia coli. <i>Infection and Immunity</i> , 2012 , 80, 333-44 | 3.7 | 76 |
| 104 | Uropathogenic Escherichia coli mediated urinary tract infection. <i>Current Drug Targets</i> , 2012 , 13, 1386-993 | | 71 |
| 103 | Escherichia coli 83972 expressing a P fimbriae oligosaccharide receptor mimic impairs adhesion of uropathogenic E. coli. <i>Journal of Infectious Diseases</i> , 2012 , 206, 1242-9 | 7 | 20 |
| 102 | Genome-wide mapping of cystitis due to Streptococcus agalactiae and Escherichia coli in mice identifies a unique bladder transcriptome that signifies pathogen-specific antimicrobial defense against urinary tract infection. <i>Infection and Immunity</i> , 2012 , 80, 3145-60 | 3.7 | 43 |
| 101 | Intramacrophage survival of uropathogenic Escherichia coli: differences between diverse clinical isolates and between mouse and human macrophages. <i>Immunobiology</i> , 2011 , 216, 1164-71 | 3.4 | 49 |
| 100 | Characterization of EhaJ, a New Autotransporter Protein from Enterohemorrhagic and Enteropathogenic Escherichia coli. <i>Frontiers in Microbiology</i> , 2011 , 2, 120 | 5.7 | 22 |
| 99 | Insights into a multidrug resistant Escherichia coli pathogen of the globally disseminated ST131 lineage: genome analysis and virulence mechanisms. <i>PLoS ONE</i> , 2011 , 6, e26578 | 3.7 | 149 |
| 98 | Muramidases found in the foregut microbiome of the Tammar wallaby can direct cell aggregation and biofilm formation. <i>ISME Journal</i> , 2011 , 5, 341-50 | 11.9 | 7 |
| 97 | Experimental colonization of the canine urinary tract with the asymptomatic bacteriuria Escherichia coli strain 83972. <i>Veterinary Microbiology</i> , 2011 , 147, 205-8 | 3.3 | 11 |
| 96 | Comparative genomics of Escherichia coli strains causing urinary tract infections. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 3268-78 | 4.8 | 38 |
| 95 | The essential E-barrel assembly machinery complex components BamD and BamA are required for autotransporter biogenesis. <i>Journal of Bacteriology</i> , 2011 , 193, 4250-3 | 3.5 | 57 |
| 94 | Structure and function of DsbA, a key bacterial oxidative folding catalyst. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 1729-60 | 8.4 | 86 |
| 93 | UafB is a serine-rich repeat adhesin of Staphylococcus saprophyticus that mediates binding to fibronectin, fibrinogen and human uroepithelial cells. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 1161-1175 | 2.9 | 29 |
| 92 | MrkH, a novel c-di-GMP-dependent transcriptional activator, controls Klebsiella pneumoniae biofilm formation by regulating type 3 fimbriae expression. <i>PLoS Pathogens</i> , 2011 , 7, e1002204 | 7.6 | 137 |
| 91 | Epithelial cell coculture models for studying infectious diseases: benefits and limitations. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 852419 | | 45 |

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|----|--|------|-----|
| 90 | Escherichia coli isolates causing asymptomatic bacteriuria in catheterized and noncatheterized individuals possess similar virulence properties. <i>Journal of Clinical Microbiology</i> , 2010 , 48, 2449-58 | 9.7 | 24 |
| 89 | Group B Streptococcus (GBS) urinary tract infection involves binding of GBS to bladder uroepithelium and potent but GBS-specific induction of interleukin 1alpha. <i>Journal of Infectious Diseases</i> , 2010 , 201, 866-70 | 7 | 38 |
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| 3 | Strain and lineage-level methylome heterogeneity in the multi-drug resistant pathogenic <i>Escherichia coli</i> ST101 clone | | 1 |
| 2 | Multiple evolutionary trajectories for non-O157 Shiga toxigenic <i>Escherichia coli</i> | | 2 |
| 1 | Genomic characterisation and context of the bla _{NDM-1} carbapenemase in <i>Escherichia coli</i> ST101 | | 2 |

