

Scott J Hultgren

List of Publications by Year in descending order

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Version: 2024-02-01

135
papers

20,668
citations

21215

62
h-index

15698

129
g-index

140
all docs

140
docs citations

140
times ranked

14294
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Establishing the role of the gut microbiota in susceptibility to recurrent urinary tract infections. <i>Journal of Clinical Investigation</i> , 2022, 132, . | 3.9 | 17 |
| 2 | StrainGE: a toolkit to track and characterize low-abundance strains in complex microbial communities. <i>Genome Biology</i> , 2022, 23, 74. | 3.8 | 35 |
| 3 | Longitudinal multi-omics analyses link gut microbiome dysbiosis with recurrent urinary tract infections in women. <i>Nature Microbiology</i> , 2022, 7, 630-639. | 5.9 | 54 |
| 4 | Limited effects of long-term daily cranberry consumption on the gut microbiome in a placebo-controlled study of women with recurrent urinary tract infections. <i>BMC Microbiology</i> , 2021, 21, 53. | 1.3 | 21 |
| 5 | A host receptor enables type 1 pilus-mediated pathogenesis of <i>Escherichia coli</i> pyelonephritis. <i>PLoS Pathogens</i> , 2021, 17, e1009314. | 2.1 | 19 |
| 6 | Deposition of Host Matrix Proteins on Breast Implant Surfaces Facilitates <i>Staphylococcus Epidermidis</i> Biofilm Formation: In Vitro Analysis. <i>Aesthetic Surgery Journal</i> , 2020, 40, 281-295. | 0.9 | 21 |
| 7 | Establishment and Characterization of Bacterial Infection of Breast Implants in a Murine Model. <i>Aesthetic Surgery Journal</i> , 2020, 40, 516-528. | 0.9 | 13 |
| 8 | High-resolution imaging reveals microbial biofilms on patient urinary catheters despite antibiotic administration. <i>World Journal of Urology</i> , 2020, 38, 2237-2245. | 1.2 | 22 |
| 9 | Adaptation of Arginine Synthesis among Uropathogenic Branches of the <i>Escherichia coli</i> Phylogeny Reveals Adjustment to the Urinary Tract Habitat. <i>MBio</i> , 2020, 11, . | 1.8 | 12 |
| 10 | Reaching the End of the Line. , 2020, , 83-99. | | 6 |
| 11 | Urinary tract infections: microbial pathogenesis, host-pathogen interactions and new treatment strategies. <i>Nature Reviews Microbiology</i> , 2020, 18, 211-226. | 13.6 | 258 |
| 12 | Insights into the Microbiome of Breast Implants and Periprosthetic Tissue in Breast Implant-Associated Anaplastic Large Cell Lymphoma. <i>Scientific Reports</i> , 2019, 9, 10393. | 1.6 | 76 |
| 13 | Urinary tract colonization is enhanced by a plasmid that regulates uropathogenic <i>Acinetobacter baumannii</i> chromosomal genes. <i>Nature Communications</i> , 2019, 10, 2763. | 5.8 | 80 |
| 14 | Reaching the End of the Line: Urinary Tract Infections. <i>Microbiology Spectrum</i> , 2019, 7, . | 1.2 | 50 |
| 15 | Fimbriae reprogram host gene expression – Divergent effects of P and type 1 fimbriae. <i>PLoS Pathogens</i> , 2019, 15, e1007671. | 2.1 | 17 |
| 16 | Chemical disarming of isoniazid resistance in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10510-10517. | 3.3 | 48 |
| 17 | The Detection of Bacteria and Matrix Proteins on Clinically Benign and Pathologic Implants. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019, 7, e2037. | 0.3 | 24 |
| 18 | Biphenyl Gal and GalNAc FmlH Lectin Antagonists of Uropathogenic <i>E. coli</i> (UPEC): Optimization through Iterative Rational Drug Design. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 467-479. | 2.9 | 18 |

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|----|---|------|-----------|
| 19 | Mucosal infection rewires TNF ϵ ' signaling dynamics to skew susceptibility to recurrence. <i>ELife</i> , 2019, 8, . | 2.8 | 24 |
| 20 | Structure-based discovery of glycomimetic FmlH ligands as inhibitors of bacterial adhesion during urinary tract infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2819-E2828. | 3.3 | 63 |
| 21 | Precision antimicrobial therapeutics: the path of least resistance?. <i>Npj Biofilms and Microbiomes</i> , 2018, 4, 4. | 2.9 | 69 |
| 22 | Hydrogen Sulfide Sensing through Reactive Sulfur Species (RSS) and Nitroxyl (HNO) in <i>Enterococcus faecalis</i> . <i>ACS Chemical Biology</i> , 2018, 13, 1610-1620. | 1.6 | 37 |
| 23 | Host restriction of <i>Escherichia coli</i> recurrent urinary tract infection occurs in a bacterial strain-specific manner. <i>PLoS Pathogens</i> , 2018, 14, e1007457. | 2.1 | 32 |
| 24 | Manganese acquisition is essential for virulence of <i>Enterococcus faecalis</i> . <i>PLoS Pathogens</i> , 2018, 14, e1007102. | 2.1 | 63 |
| 25 | Structural basis for usher activation and intramolecular subunit transfer in P pilus biogenesis in <i>Escherichia coli</i> . <i>Nature Microbiology</i> , 2018, 3, 1362-1368. | 5.9 | 17 |
| 26 | Structure-Function Analysis of the Curli Accessory Protein CsgE Defines Surfaces Essential for Coordinating Amyloid Fiber Formation. <i>MBio</i> , 2018, 9, . | 1.8 | 33 |
| 27 | Differential Regulation of <i>Escherichia coli</i> <i>fim</i> Genes following Binding to Mannose Receptors. <i>Journal of Pathogens</i> , 2018, 2018, 1-8. | 0.9 | 13 |
| 28 | Functional role of the type 1 pilus rod structure in mediating host-pathogen interactions. <i>ELife</i> , 2018, 7, . | 2.8 | 70 |
| 29 | Evolutionary fine-tuning of conformational ensembles in FimH during host-pathogen interactions. <i>Science Advances</i> , 2017, 3, e1601944. | 4.7 | 50 |
| 30 | Selective depletion of uropathogenic <i>E. coli</i> from the gut by a FimH antagonist. <i>Nature</i> , 2017, 546, 528-532. | 13.7 | 231 |
| 31 | Bacterial virulence phenotypes of <i>Escherichia coli</i> and host susceptibility determine risk for urinary tract infections. <i>Science Translational Medicine</i> , 2017, 9, . | 5.8 | 139 |
| 32 | Catheterization alters bladder ecology to potentiate <i>Staphylococcus aureus</i> infection of the urinary tract. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8721-E8730. | 3.3 | 93 |
| 33 | Correlative Light, Electron, and Ion Microscopy for the Study of Urinary Tract Infection Pathogenesis. <i>Microscopy and Microanalysis</i> , 2017, 23, 1308-1309. | 0.2 | 0 |
| 34 | Host and bacterial proteases influence biofilm formation and virulence in a murine model of enterococcal catheter-associated urinary tract infection. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 28. | 2.9 | 48 |
| 35 | A mucosal imprint left by prior <i>Escherichia coli</i> bladder infection sensitizes to recurrent disease. <i>Nature Microbiology</i> , 2017, 2, 16196. | 5.9 | 67 |
| 36 | Narrowing the spectrum: the new frontier of precision antimicrobials. <i>Genome Medicine</i> , 2017, 9, 110. | 3.6 | 36 |

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|----|---|------|-----------|
| 37 | Highly conserved type 1 pili promote enterotoxigenic E. coli pathogen-host interactions. PLoS Neglected Tropical Diseases, 2017, 11, e0005586. | 1.3 | 42 |
| 38 | One size doesn't fit all: unraveling the diversity of factors and interactions that drive E. coli urovirulence. Annals of Translational Medicine, 2017, 5, 28-28. | 0.7 | 11 |
| 39 | Innovative Solutions to Sticky Situations: Antiadhesive Strategies for Treating Bacterial Infections. , 2016, , 753-795. | | 0 |
| 40 | Adhesive Pili in UTI Pathogenesis and Drug Development. Pathogens, 2016, 5, 30. | 1.2 | 66 |
| 41 | Antivirulence Isoquinolone Mannosides: Optimization of the Biaryl Aglycone for FimH Lectin Binding Affinity and Efficacy in the Treatment of Chronic UTI. ChemMedChem, 2016, 11, 367-373. | 1.6 | 53 |
| 42 | Drug and Vaccine Development for the Treatment and Prevention of Urinary Tract Infections. Microbiology Spectrum, 2016, 4, . | 1.2 | 87 |
| 43 | Innovative Solutions to Sticky Situations: Antiadhesive Strategies for Treating Bacterial Infections. Microbiology Spectrum, 2016, 4, . | 1.2 | 4 |
| 44 | Metabolic Requirements of Escherichia coli in Intracellular Bacterial Communities during Urinary Tract Infection Pathogenesis. MBio, 2016, 7, e00104-16. | 1.8 | 89 |
| 45 | The Catabolite Repressor Protein-Cyclic AMP Complex Regulates csgD and Biofilm Formation in Uropathogenic Escherichia coli. Journal of Bacteriology, 2016, 198, 3329-3334. | 1.0 | 44 |
| 46 | Inflammation-Induced Adhesin-Receptor Interaction Provides a Fitness Advantage to Uropathogenic E. coli during Chronic Infection. Cell Host and Microbe, 2016, 20, 482-492. | 5.1 | 53 |
| 47 | Antivirulence C-Mannosides as Antibiotic-Sparing, Oral Therapeutics for Urinary Tract Infections. Journal of Medicinal Chemistry, 2016, 59, 9390-9408. | 2.9 | 84 |
| 48 | Antibody-Based Therapy for Enterococcal Catheter-Associated Urinary Tract Infections. MBio, 2016, 7, . | 1.8 | 48 |
| 49 | Solution NMR structure of CsgE: Structural insights into a chaperone and regulator protein important for functional amyloid formation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7130-7135. | 3.3 | 22 |
| 50 | Structure of a Chaperone-Usher Pilus Reveals the Molecular Basis of Rod Uncoiling. Cell, 2016, 164, 269-278. | 13.5 | 61 |
| 51 | Fibrinogen Release and Deposition on Urinary Catheters Placed during Urological Procedures. Journal of Urology, 2016, 196, 416-421. | 0.2 | 68 |
| 52 | Establishment and Characterization of UTI and CAUTI in a Mouse Model. Journal of Visualized Experiments, 2015, , e52892. | 0.2 | 22 |
| 53 | Are you experienced? Understanding bladder innate immunity in the context of recurrent urinary tract infection. Current Opinion in Infectious Diseases, 2015, 28, 97-105. | 1.3 | 42 |
| 54 | Subinhibitory Antibiotic Therapy Alters Recurrent Urinary Tract Infection Pathogenesis through Modulation of Bacterial Virulence and Host Immunity. MBio, 2015, 6, . | 1.8 | 52 |

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|----|---|------|-----------|
| 55 | Chaos Controlled: Discovery of a Powerful Amyloid Inhibitor. <i>Molecular Cell</i> , 2015, 57, 391-393. | 4.5 | 4 |
| 56 | Dysregulation of <i>Escherichia coli</i> α -hemolysin expression alters the course of acute and persistent urinary tract infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E871-80. | 3.3 | 132 |
| 57 | Role of Hypoxia Inducible Factor-1 α (HIF-1 α) in Innate Defense against Uropathogenic <i>Escherichia coli</i> Infection. <i>PLoS Pathogens</i> , 2015, 11, e1004818. | 2.1 | 62 |
| 58 | Fueling the Fire with Fibers: Bacterial Amyloids Promote Inflammatory Disorders. <i>Cell Host and Microbe</i> , 2015, 18, 1-2. | 5.1 | 33 |
| 59 | A 2-Pyridone-Amide Inhibitor Targets the Glucose Metabolism Pathway of <i>Chlamydia trachomatis</i> . <i>MBio</i> , 2015, 6, e02304-14. | 1.8 | 22 |
| 60 | Advanced glycation end products facilitate bacterial adherence in urinary tract infection in diabetic mice. <i>Pathogens and Disease</i> , 2015, 73, . | 0.8 | 17 |
| 61 | The pilus usher controls protein interactions via domain masking and is functional as an oligomer. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 540-546. | 3.6 | 27 |
| 62 | Uropathogenic <i>Escherichia coli</i> Superinfection Enhances the Severity of Mouse Bladder Infection. <i>PLoS Pathogens</i> , 2015, 11, e1004599. | 2.1 | 46 |
| 63 | Impaired cytokine expression, neutrophil infiltration and bacterial clearance in response to urinary tract infection in diabetic mice. <i>Pathogens and Disease</i> , 2015, 73, . | 0.8 | 19 |
| 64 | Urinary tract infections: epidemiology, mechanisms of infection and treatment options. <i>Nature Reviews Microbiology</i> , 2015, 13, 269-284. | 13.6 | 2,406 |
| 65 | Bacterial Amyloid Formation: Structural Insights into Curli Biogenesis. <i>Trends in Microbiology</i> , 2015, 23, 693-706. | 3.5 | 148 |
| 66 | Human Urine Decreases Function and Expression of Type 1 Pili in Uropathogenic <i>Escherichia coli</i> . <i>MBio</i> , 2015, 6, e00820. | 1.8 | 58 |
| 67 | EbpA vaccine antibodies block binding of <i>Enterococcus faecalis</i> to fibrinogen to prevent catheter-associated bladder infection in mice. <i>Science Translational Medicine</i> , 2014, 6, 254ra127. | 5.8 | 130 |
| 68 | Inhibition of Cyclooxygenase-2 Prevents Chronic and Recurrent Cystitis. <i>EBioMedicine</i> , 2014, 1, 46-57. | 2.7 | 92 |
| 69 | Pilicide ec240 Disrupts Virulence Circuits in Uropathogenic <i>Escherichia coli</i> . <i>MBio</i> , 2014, 5, e02038. | 1.8 | 65 |
| 70 | From Physiology to Pharmacy: Developments in the Pathogenesis and Treatment of Recurrent Urinary Tract Infections. <i>Current Urology Reports</i> , 2013, 14, 448-456. | 1.0 | 65 |
| 71 | Molecular basis of usher pore gating in <i>Escherichia coli</i> pilus biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20741-20746. | 3.3 | 27 |
| 72 | <i>Enterococcus faecalis</i> Overcomes Foreign Body-Mediated Inflammation To Establish Urinary Tract Infections. <i>Infection and Immunity</i> , 2013, 81, 329-339. | 1.0 | 84 |

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|----|---|------|-----------|
| 73 | Structural and energetic basis of folded-protein transport by the FimD usher. <i>Nature</i> , 2013, 496, 243-246. | 13.7 | 88 |
| 74 | Positively selected FimH residues enhance virulence during urinary tract infection by altering FimH conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15530-15537. | 3.3 | 105 |
| 75 | Genomic Diversity and Fitness of <i>E. coli</i> Strains Recovered from the Intestinal and Urinary Tracts of Women with Recurrent Urinary Tract Infection. <i>Science Translational Medicine</i> , 2013, 5, 184ra60. | 5.8 | 148 |
| 76 | Strong cross-system interactions drive the activation of the QseB response regulator in the absence of its cognate sensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16592-16597. | 3.3 | 81 |
| 77 | Domain activities of PapC usher reveal the mechanism of action of an <i>Escherichia coli</i> molecular machine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9563-9568. | 3.3 | 38 |
| 78 | The Metal Ion-Dependent Adhesion Site Motif of the <i>Enterococcus faecalis</i> EbpA Pilin Mediates Pilus Function in Catheter-Associated Urinary Tract Infection. <i>MBio</i> , 2012, 3, e00177-12. | 1.8 | 118 |
| 79 | Lead Optimization Studies on FimH Antagonists: Discovery of Potent and Orally Bioavailable Ortho-Substituted Biphenyl Mannosides. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3945-3959. | 2.9 | 112 |
| 80 | 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 |
| 81 | Population Dynamics and Niche Distribution of Uropathogenic <i>Escherichia coli</i> during Acute and Chronic Urinary Tract Infection. <i>Infection and Immunity</i> , 2011, 79, 4250-4259. | 1.0 | 146 |
| 82 | Crystal structure of the FimD usher bound to its cognate FimC-FimH substrate. <i>Nature</i> , 2011, 474, 49-53. | 13.7 | 170 |
| 83 | Treatment and Prevention of Urinary Tract Infection with Orally Active FimH Inhibitors. <i>Science Translational Medicine</i> , 2011, 3, 109ra115. | 5.8 | 254 |
| 84 | Structure-Based Drug Design and Optimization of Mannoside Bacterial FimH Antagonists. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4779-4792. | 2.9 | 220 |
| 85 | The differential affinity of the usher for chaperone subunit complexes is required for assembly of complete pili. <i>Molecular Microbiology</i> , 2010, 76, 159-172. | 1.2 | 25 |
| 86 | Enterococcal Biofilm Formation and Virulence in an Optimized Murine Model of Foreign Body-Associated Urinary Tract Infections. <i>Infection and Immunity</i> , 2010, 78, 4166-4175. | 1.0 | 142 |
| 87 | Early Severe Inflammatory Responses to Uropathogenic <i>E. coli</i> Predispose to Chronic and Recurrent Urinary Tract Infection. <i>PLoS Pathogens</i> , 2010, 6, e1001042. | 2.1 | 223 |
| 88 | Design and Synthesis of C-2 Substituted Thiazolo and Dihydrothiazolo Ring-Fused 2-Pyridones: Pilocides with Increased Antivirulence Activity. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5690-5695. | 2.9 | 82 |
| 89 | Positive selection identifies an in vivo role for FimH during urinary tract infection in addition to mannose binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22439-22444. | 3.3 | 165 |
| 90 | Quantitative Metabolomics Reveals an Epigenetic Blueprint for Iron Acquisition in Uropathogenic <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000305. | 2.1 | 211 |

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|-----|---|------|-----------|
| 91 | QseC-mediated dephosphorylation of QseB is required for expression of genes associated with virulence in uropathogenic <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2009, 73, 1020-1031. | 1.2 | 139 |
| 92 | Small-molecule inhibitors target <i>Escherichia coli</i> amyloid biogenesis and biofilm formation. <i>Nature Chemical Biology</i> , 2009, 5, 913-919. | 3.9 | 381 |
| 93 | Structural biology of the chaperone-usher pathway of pilus biogenesis. <i>Nature Reviews Microbiology</i> , 2009, 7, 765-774. | 13.6 | 298 |
| 94 | A murine model of urinary tract infection. <i>Nature Protocols</i> , 2009, 4, 1230-1243. | 5.5 | 254 |
| 95 | <i>LeuX</i> tRNA-dependent and -independent mechanisms of <i>Escherichia coli</i> pathogenesis in acute cystitis. <i>Molecular Microbiology</i> , 2008, 67, 116-128. | 1.2 | 67 |
| 96 | G-CSF induction early in uropathogenic <i>Escherichia coli</i> infection of the urinary tract modulates host immunity. <i>Cellular Microbiology</i> , 2008, 10, 2568-2578. | 1.1 | 113 |
| 97 | Fiber Formation across the Bacterial Outer Membrane by the Chaperone/Usher Pathway. <i>Cell</i> , 2008, 133, 640-652. | 13.5 | 194 |
| 98 | Functional Genomic Studies of Uropathogenic <i>Escherichia coli</i> and Host Urothelial Cells when Intracellular Bacterial Communities Are Assembled. <i>Journal of Biological Chemistry</i> , 2007, 282, 21259-21267. | 1.6 | 129 |
| 99 | Adaptor Function of PapF Depends on Donor Strand Exchange in P-Pilus Biogenesis of <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2007, 189, 5276-5283. | 1.0 | 24 |
| 100 | <i>Escherichia coli</i> from Urine of Female Patients with Urinary Tract Infections Is Competent for Intracellular Bacterial Community Formation. <i>Infection and Immunity</i> , 2007, 75, 52-60. | 1.0 | 145 |
| 101 | Detection of Intracellular Bacterial Communities in Human Urinary Tract Infection. <i>PLoS Medicine</i> , 2007, 4, e329. | 3.9 | 495 |
| 102 | Development of intracellular bacterial communities of uropathogenic <i>Escherichia coli</i> depends on type 1 pili. <i>Cellular Microbiology</i> , 2007, 9, 2230-2241. | 1.1 | 288 |
| 103 | Donor-Strand Exchange in Chaperone-Assisted Pilus Assembly Proceeds through a Concerted β^2 Strand Displacement Mechanism. <i>Molecular Cell</i> , 2006, 22, 831-842. | 4.5 | 159 |
| 104 | Sticky fibers and uropathogenesis: bacterial adhesins in the urinary tract. <i>Future Microbiology</i> , 2006, 1, 75-87. | 1.0 | 76 |
| 105 | Rationally designed small compounds inhibit pilus biogenesis in uropathogenic bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17897-17902. | 3.3 | 257 |
| 106 | Mechanisms of uropathogenic <i>Escherichia coli</i> persistence and eradication from the urinary tract. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14170-14175. | 3.3 | 445 |
| 107 | Identification of genes subject to positive selection in uropathogenic strains of <i>Escherichia coli</i> : A comparative genomics approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5977-5982. | 3.3 | 509 |
| 108 | Filamentation by <i>Escherichia coli</i> subverts innate defenses during urinary tract infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19884-19889. | 3.3 | 283 |

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|-----|--|------|-----------|
| 109 | Uropathogenic Escherichia coli Flagella Aid in Efficient Urinary Tract Colonization. <i>Infection and Immunity</i> , 2005, 73, 7657-7668. | 1.0 | 199 |
| 110 | Differentiation and developmental pathways of uropathogenic Escherichia coli in urinary tract pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1333-1338. | 3.3 | 551 |
| 111 | Intracellular Bacterial Biofilm-Like Pods in Urinary Tract Infections. <i>Science</i> , 2003, 301, 105-107. | 6.0 | 976 |
| 112 | Effect of Trimethoprim-Sulfamethoxazole on Recurrent Bacteriuria and Bacterial Persistence in Mice Infected with Uropathogenic Escherichia coli. <i>Infection and Immunity</i> , 2002, 70, 7042-7049. | 1.0 | 145 |
| 113 | Role of Escherichia coli Curli Operons in Directing Amyloid Fiber Formation. <i>Science</i> , 2002, 295, 851-855. | 6.0 | 1,127 |
| 114 | Design and Parallel Solid-Phase Synthesis of Ring-Fused 2-Pyridinones That Target Pilus Biogenesis in Pathogenic Bacteria. <i>ACS Combinatorial Science</i> , 2002, 4, 630-639. | 3.3 | 60 |
| 115 | Bacterial Outer Membrane Ushers Contain Distinct Targeting and Assembly Domains for Pilus Biogenesis. <i>Journal of Bacteriology</i> , 2002, 184, 6260-6269. | 1.0 | 74 |
| 116 | Chaperone Priming of Pilus Subunits Facilitates a Topological Transition that Drives Fiber Formation. <i>Cell</i> , 2002, 111, 543-551. | 13.5 | 236 |
| 117 | Evidence for donor strand complementation in the biogenesis of Haemophilus influenzae haemagglutinating pili. <i>Molecular Microbiology</i> , 2002, 35, 1335-1347. | 1.2 | 14 |
| 118 | Structural basis of tropism of Escherichia coli to the bladder during urinary tract infection. <i>Molecular Microbiology</i> , 2002, 44, 903-915. | 1.2 | 360 |
| 119 | Structural Basis of the Interaction of the Pyelonephritic E. coli Adhesin to Its Human Kidney Receptor. <i>Cell</i> , 2001, 105, 733-743. | 13.5 | 250 |
| 120 | Bacteria thread the needle. <i>Nature</i> , 2001, 414, 29-31. | 13.7 | 6 |
| 121 | Establishment of a Persistent Escherichia coli Reservoir during the Acute Phase of a Bladder Infection. <i>Infection and Immunity</i> , 2001, 69, 4572-4579. | 1.0 | 706 |
| 122 | Stereoselective Synthesis of Optically Active Î²-Lactams, Potential Inhibitors of Pilus Assembly in Pathogenic Bacteria. <i>Organic Letters</i> , 2000, 2, 2065-2067. | 2.4 | 44 |
| 123 | CELL BIOLOGY: Bacterial Spelunkers. <i>Science</i> , 2000, 289, 732-733. | 6.0 | 16 |
| 124 | Probing conserved surfaces on PapD. <i>Molecular Microbiology</i> , 1999, 31, 773-783. | 1.2 | 34 |
| 125 | Structural Basis of Chaperone Function and Pilus Biogenesis. <i>Science</i> , 1999, 285, 1058-1061. | 6.0 | 396 |
| 126 | X-ray Structure of the FimC-FimH Chaperone-Adhesin Complex from Uropathogenic Escherichia coli. <i>Science</i> , 1999, 285, 1061-1066. | 6.0 | 582 |

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|-----|---|------|-----------|
| 127 | Induction and Evasion of Host Defenses by Type 1-Piliated Uropathogenic Escherichia coli. , 1998, 282, 1494-1497. | | 857 |
| 128 | Prevention of Mucosal Escherichia coli Infection by FimH-Adhesin-Based Systemic Vaccination. Science, 1997, 276, 607-611. | 6.0 | 548 |
| 129 | Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the Escherichia coli PapD chaperone. FEBS Letters, 1997, 412, 115-120. | 1.3 | 6 |
| 130 | Molecular dissection of PapD interaction with PapG reveals two chaperone-binding sites. Molecular Microbiology, 1995, 16, 1011-1020. | 1.2 | 30 |
| 131 | Structural requirements for the glycolipid receptor of human uropathogenic Escherichia coli. Molecular Microbiology, 1995, 16, 1021-1029. | 1.2 | 65 |
| 132 | P pili in uropathogenic E. coli are composite fibres with distinct fibrillar adhesive tips. Nature, 1992, 356, 252-255. | 13.7 | 337 |
| 133 | The Chaperone-Usher Pathway of Pilus Fiber Biogenesis. , 0, , 69-79. | | 0 |
| 134 | Sugar Recognition and Bacterial Attachment. , 0, , 37-48. | | 0 |
| 135 | Uropathogenic Escherichia coli Virulence and Gene Regulation. , 0, , 133-155. | | 0 |