

Matthew A Mulvey

List of Publications by Year in descending order

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82
papers

5,781
citations

101543

36
h-index

138484

58
g-index

114
all docs

114
docs citations

114
times ranked

5523
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment of a Persistent <i>Escherichia coli</i> Reservoir during the Acute Phase of a Bladder Infection. <i>Infection and Immunity</i> , 2001, 69, 4572-4579.	2.2	706
2	Origins and virulence mechanisms of uropathogenic <i>Escherichia coli</i> . <i>Experimental and Molecular Pathology</i> , 2008, 85, 11-19.	2.1	493
3	Bad bugs and beleaguered bladders: Interplay between uropathogenic <i>Escherichia coli</i> and innate host defenses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 8829-8835.	7.1	432
4	Adhesion and entry of uropathogenic <i>Escherichia coli</i> . <i>Cellular Microbiology</i> , 2002, 4, 257-271.	2.1	321
5	Persistence of Uropathogenic <i>Escherichia coli</i> in the Face of Multiple Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1855-1863.	3.2	294
6	Integrin-Mediated Host Cell Invasion by Type 1 Piliated Uropathogenic <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2007, 3, e100.	4.7	265
7	Bacterial Invasion Augments Epithelial Cytokine Responses to <i>Escherichia coli</i> Through a Lipopolysaccharide-Dependent Mechanism. <i>Journal of Immunology</i> , 2001, 166, 1148-1155.	0.8	226
8	Urinary Tract Infections: Current and Emerging Management Strategies. <i>Clinical Infectious Diseases</i> , 2013, 57, 719-724.	5.8	202
9	Bacterial pili: molecular mechanisms of pathogenesis. <i>Current Opinion in Microbiology</i> , 2000, 3, 65-72.	5.1	189
10	Molecular Regulation of Urothelial Renewal and Host Defenses during Infection with Uropathogenic <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 7412-7419.	3.4	179
11	Toxin-Antitoxin Systems Are Important for Niche-Specific Colonization and Stress Resistance of Uropathogenic <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002954.	4.7	175
12	The UPEC Pore-Forming Toxin α -Hemolysin Triggers Proteolysis of Host Proteins to Disrupt Cell Adhesion, Inflammatory, and Survival Pathways. <i>Cell Host and Microbe</i> , 2012, 11, 58-69.	11.0	148
13	Covert Operations of Uropathogenic <i>Escherichia coli</i> within the Urinary Tract. <i>Traffic</i> , 2005, 6, 18-31.	2.7	144
14	Impact of the RNA Chaperone Hfq on the Fitness and Virulence Potential of Uropathogenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2008, 76, 3019-3026.	2.2	142
15	CD14- and Toll-Like Receptor-Dependent Activation of Bladder Epithelial Cells by Lipopolysaccharide and Type 1 Piliated <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2003, 71, 1470-1480.	2.2	136
16	Actin-gated intracellular growth and resurgence of uropathogenic <i>Escherichia coli</i> . <i>Cellular Microbiology</i> , 2006, 8, 704-717.	2.1	119
17	Inactivation of Host Akt/Protein Kinase B Signaling by Bacterial Pore-forming Toxins. <i>Molecular Biology of the Cell</i> , 2008, 19, 1427-1438.	2.1	92
18	Dynamic interactions between host and pathogen during acute urinary tract infections. <i>Urology</i> , 2001, 57, 56-61.	1.0	78

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19	Population dynamics of an <i>Escherichia coli</i> ST131 lineage during recurrent urinary tract infection. <i>Nature Communications</i> , 2019, 10, 3643.	12.8	76
20	The RTX pore-forming toxin α -hemolysin of uropathogenic <i>Escherichia coli</i> : progress and perspectives. <i>Future Microbiology</i> , 2013, 8, 73-84.	2.0	75
21	Clathrin, AP-2, and the NPXY-binding subset of alternate endocytic adaptors facilitate FimH-mediated bacterial invasion of host cells. <i>Cellular Microbiology</i> , 2008, 10, 2553-2567.	2.1	72
22	Use of Zebrafish to Probe the Divergent Virulence Potentials and Toxin Requirements of Extraintestinal Pathogenic <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000697.	4.7	72
23	The Cpx Stress Response System Potentiates the Fitness and Virulence of Uropathogenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2013, 81, 1450-1459.	2.2	69
24	Forced Resurgence and Targeting of Intracellular Uropathogenic <i>Escherichia coli</i> Reservoirs. <i>PLoS ONE</i> , 2014, 9, e93327.	2.5	58
25	Invasion of Host Cells and Tissues by Uropathogenic Bacteria. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	58
26	The Repeat-In-Toxin Family Member TosA Mediates Adherence of Uropathogenic <i>Escherichia coli</i> and Survival during Bacteremia. <i>Infection and Immunity</i> , 2012, 80, 493-505.	2.2	57
27	Bacterial landlines: contact-dependent signaling in bacterial populations. <i>Current Opinion in Microbiology</i> , 2009, 12, 177-181.	5.1	53
28	Bacteria differentially induce degradation of Bcl-xL, a survival protein, by human platelets. <i>Blood</i> , 2012, 120, 5014-5020.	1.4	53
29	High-throughput identification and rational design of synergistic small-molecule pairs for combating and bypassing antibiotic resistance. <i>PLoS Biology</i> , 2017, 15, e2001644.	5.6	53
30	Assembly of the Sindbis Virus Spike Protein Complex. <i>Virology</i> , 1996, 219, 125-132.	2.4	52
31	Polyamine-Mediated Resistance of Uropathogenic <i>Escherichia coli</i> to Nitrosative Stress. <i>Journal of Bacteriology</i> , 2006, 188, 928-933.	2.2	52
32	Roles of Putative Type II Secretion and Type IV Pilus Systems in the Virulence of Uropathogenic <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2009, 4, e4752.	2.5	51
33	Strengths and Limitations of Model Systems for the Study of Urinary Tract Infections and Related Pathologies. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 351-367.	6.6	50
34	Adenylate Cyclase and the Cyclic AMP Receptor Protein Modulate Stress Resistance and Virulence Capacity of Uropathogenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2013, 81, 249-258.	2.2	48
35	Uropathogenic <i>Escherichia coli</i> Invades Host Cells via an HDAC6-modulated Microtubule-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2009, 284, 446-454.	3.4	45
36	Conditioning of Uropathogenic <i>Escherichia coli</i> for Enhanced Colonization of Host. <i>Infection and Immunity</i> , 2009, 77, 2104-2112.	2.2	40

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37	Combining Quantitative Genetic Footprinting and Trait Enrichment Analysis to Identify Fitness Determinants of a Bacterial Pathogen. <i>PLoS Genetics</i> , 2013, 9, e1003716.	3.5	39
38	Context-Dependent Requirements for FimH and Other Canonical Virulence Factors in Gut Colonization by Extraintestinal Pathogenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2018, 86, .	2.2	25
39	Similarly Lethal Strains of Extraintestinal Pathogenic <i>Escherichia coli</i> Trigger Markedly Diverse Host Responses in a Zebrafish Model of Sepsis. <i>MSphere</i> , 2016, 1, .	2.9	22
40	Mucosal-associated invariant T (MAIT) cells mediate protective host responses in sepsis. <i>ELife</i> , 2020, 9, .	6.0	22
41	A Phyletically Rare Gene Promotes the Niche-specific Fitness of an <i>E. coli</i> Pathogen during Bacteremia. <i>PLoS Pathogens</i> , 2013, 9, e1003175.	4.7	21
42	Repeated treatments with chitosan in combination with antibiotics completely eradicate uropathogenic <i>Escherichia coli</i> from infected mouse urinary bladders. <i>Journal of Infectious Diseases</i> , 2017, 216, jix023.	4.0	20
43	Clinical and molecular epidemiology of invasive <i>Staphylococcus aureus</i> infection in Utah children; continued dominance of MSSA over MRSA. <i>PLoS ONE</i> , 2020, 15, e0238991.	2.5	20
44	The Extraintestinal Pathogenic <i>Escherichia coli</i> Factor RqII Constrains the Genotoxic Effects of the RecQ-Like Helicase RqIH. <i>PLoS Pathogens</i> , 2015, 11, e1005317.	4.7	20
45	The Rhomboid Protease GlpG Promotes the Persistence of Extraintestinal Pathogenic <i>Escherichia coli</i> within the Gut. <i>Infection and Immunity</i> , 2017, 85, .	2.2	19
46	Dual colorimetric and fluorogenic probes for visualizing tyrosine phosphatase activity. <i>Chemical Communications</i> , 2017, 53, 2233-2236.	4.1	18
47	Lysosomal iron recycling in mouse macrophages is dependent upon both <i>LcytB</i> and <i>Steap3</i> reductases. <i>Blood Advances</i> , 2022, 6, 1692-1707.	5.2	18
48	Uropathogenic <i>Escherichia coli</i> Induces Serum Amyloid A in Mice following Urinary Tract and Systemic Inoculation. <i>PLoS ONE</i> , 2012, 7, e32933.	2.5	16
49	<i>Proteus mirabilis</i> and Urinary Tract Infections. , 2016, , 383-433.		13
50	Flushing bacteria out of the bladder. <i>Nature Medicine</i> , 2007, 13, 531-532.	30.7	12
51	<i>Escherichia coli</i> O78 isolated from septicemic lambs shows high pathogenicity in a zebrafish model. <i>Veterinary Research</i> , 2017, 48, 3.	3.0	12
52	Contact-dependent inhibition: bacterial brakes and secret handshakes. <i>Trends in Microbiology</i> , 2006, 14, 58-60.	7.7	11
53	Gram-Positive Uropathogens, Polymicrobial Urinary Tract Infection, and the Emerging Microbiota of the Urinary Tract. , 0, , 459-502.		9
54	Virulence and Fitness Determinants of Uropathogenic <i>Escherichia coli</i> . , 0, , 235-261.		8

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55	Clinical Presentations and Epidemiology of Urinary Tract Infections. , 0, , 27-40.		8
56	A tRNA modifying enzyme as a tunable regulatory nexus for bacterial stress responses and virulence. Nucleic Acids Research, 2022, 50, 7570-7590.	14.5	8
57	Epidemiology and Virulence of <i>Klebsiella pneumoniae</i> . , 0, , 435-457.		7
58	Bile Salts Regulate Zinc Uptake and Capsule Synthesis in a Mastitis-Associated Extraintestinal Pathogenic <i>Escherichia coli</i> Strain. Infection and Immunity, 2021, 89, e0035721.	2.2	7
59	Histone Deacetylase 6 Regulates Bladder Architecture and Host Susceptibility to Uropathogenic <i>Escherichia coli</i> . Pathogens, 2016, 5, 20.	2.8	6
60	Drug and Vaccine Development for the Treatment and Prevention of Urinary Tract Infections. , 0, , 589-646.		6
61	Ucl fimbriae regulation and glycan receptor specificity contribute to gut colonisation by extra-intestinal pathogenic <i>Escherichia coli</i> . PLoS Pathogens, 2022, 18, e1010582.	4.7	6
62	The Vaginal Microbiota and Urinary Tract Infection. , 0, , 79-86.		5
63	Reply to Kaye and Sobel. Clinical Infectious Diseases, 2014, 58, 444-445.	5.8	4
64	Anatomy and Physiology of the Urinary Tract: Relation to Host Defense and Microbial Infection. , 0, , 1-25.		3
65	Reservoirs of Extraintestinal Pathogenic <i>Escherichia coli</i> . , 0, , 159-177.		3
66	Jekyll and Hyde: Bugs with Double Personalities that Muddle the Distinction between Commensal and Pathogen. Journal of Molecular Biology, 2019, 431, 2911-2913.	4.2	3
67	The Cdkn2a gene product p19 alternative reading frame (p19ARF) is a critical regulator of IFN γ -mediated Lyme arthritis. PLoS Pathogens, 2022, 18, e1010365.	4.7	3
68	Urosepsis: Overview of the Diagnostic and Treatment Challenges. , 2016, , 135-157.		2
69	Diagnosis, Treatment, and Prevention of Urinary Tract Infection. , 0, , 41-68.		2
70	Origin and Dissemination of Antimicrobial Resistance among Uropathogenic <i>Escherichia coli</i> . , 0, , 179-205.		1
71	Invasion of Host Cells and Tissues by Uropathogenic Bacteria. , 0, , 359-381.		1
72	Population Phylogenomics of Extraintestinal Pathogenic <i>Escherichia coli</i> . , 0, , 207-233.		1

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73	Host Responses to Urinary Tract Infections and Emerging Therapeutics: Sensation and Pain within the Urinary Tract. , 2016, , 565-588.		1
74	Urinary Tract Infections in Infants and Children. , 0, , 69-77.		1
75	Structure, Function, and Assembly of Adhesive Organelles by Uropathogenic Bacteria. , 0, , 277-329.		1
76	Integrated Pathophysiology of Pyelonephritis. , 2016, , 503-522.		0
77	Asymptomatic Bacteriuria and Bacterial Interference. , 2016, , 87-120.		0
78	Pathoadaptive Mutations in Uropathogenic Escherichia coli. , 2016, , 331-357.		0
79	Innate Immune Responses to Bladder Infection. , 2016, , 555-564.		0
80	Uropathogenic Escherichia coli-Associated Exotoxins. , 2016, , 263-276.		0
81	Susceptibility to Urinary Tract Infection: Benefits and Hazards of the Antibacterial Host Response. , 2016, , 523-554.		0
82	Commensal Strains of Neisseria Use DNA to Poison Their Pathogenic Rivals. Cell Host and Microbe, 2019, 26, 156-158.	11.0	0