Urinary tract infections: microbial pathogenesis, hostâ€ treatment strategies

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Citation Report

#	Article	IF	Citations
1	Galleria mellonella as an infection model: an in-depth look at why it works and practical considerations for successful application. Pathogens and Disease, 2020, 78, .	0.8	52
2	Favorable Outcomes of Repeat Electrofulguration Procedures in Women With Antibiotic-refractory Recurrent Urinary Tract Infections. Urology, 2020, 146, 83-89.	0.5	11
3	FimH and Anti-Adhesive Therapeutics: A Disarming Strategy Against Uropathogens. Antibiotics, 2020, 9, 397.	1.5	73
4	An Intact Cell Bioluminescence-Based Assay for the Simple and Rapid Diagnosis of Urinary Tract Infection. International Journal of Molecular Sciences, 2020, 21, 5015.	1.8	11
5	Ciprofloxacin Pharmacokinetics/Pharmacodynamics against Susceptible and Low-Level Resistant Escherichia coli Isolates in an Experimental Ascending Urinary Tract Infection Model in Mice. Antimicrobial Agents and Chemotherapy, 2020, 65, .	1.4	5
6	Complete Genome Sequences of Seven Uropathogenic Escherichia coli Strains Isolated from Postmenopausal Women with Recurrent Urinary Tract Infection. Microbiology Resource Announcements, 2020, 9, .	0.3	4
7	Horizontally acquired papGII-containing pathogenicity islands underlie the emergence of invasive uropathogenic Escherichia coli lineages. Nature Communications, 2020, 11, 5968.	5.8	42
8	Nitrofurantoin Combined With Amikacin: A Promising Alternative Strategy for Combating MDR Uropathogenic Escherichia coli. Frontiers in Cellular and Infection Microbiology, 2020, 10, 608547.	1.8	10
9	Characteristics of urinary tract infections in older patients in a tertiary hospital in Greece. Geriatrics and Gerontology International, 2020, 20, 1228-1233.	0.7	7
10	In Vitro and In Vivo Biological Activity of Berberine Chloride against Uropathogenic E. coli Strains Using Galleria mellonella as a Host Model. Molecules, 2020, 25, 5010.	1.7	12
11	Phenotypic detection of extended spectrum -lactamase and Metallo -lactamase production by Gram negative uropathogens after exposure to gamma radiation. African Journal of Microbiology Research, 2020, 14, 225-236.	0.4	0
12	Impact of bacterial persisters on their host. Current Opinion in Microbiology, 2021, 59, 65-71.	2.3	28
13	Two Decades of Studying Functional Amyloids in Microorganisms. Trends in Microbiology, 2021, 29, 251-265.	3.5	58
14	Antimicrobial pharmacokinetics and preclinical in vitro models to support optimized treatment approaches for uncomplicated lower urinary tract infections. Expert Review of Anti-Infective Therapy, 2021, 19, 271-295.	2.0	5
15	A Combination of Polybacterial MV140 and Candida albicans V132 as a Potential Novel Trained Immunity-Based Vaccine for Genitourinary Tract Infections. Frontiers in Immunology, 2020, 11, 612269.	2.2	18
17	Pharmacokinetics of gallic acid and protocatechuic acid in humans after dosing with Relinqing (RLQ) and the potential for RLQ-perpetrated drugâ€“drug interactions on organic anion transporter (OAT) 1/3. Pharmaceutical Biology, 2021, 59, 746-757.	1.3	4
18	Association between body mass index and urinary tract infection: a systematic review and meta-analysis of observational cohort studies. Eating and Weight Disorders, 2021, 26, 2117-2125.	1.2	10
19	A sulfonate-based polypeptide toward infection-resistant coatings. Biomaterials Science, 2021, 9, 6425-6433.	2.6	10

#	Article	IF	Citations
20	Antibiotic Cross-linked Micelles with Reduced Toxicity for Multidrug-Resistant Bacterial Sepsis Treatment. ACS Applied Materials & Interfaces, 2021, 13, 9630-9642.	4.0	19
21	Uropathogenic E. coli induces DNA damage in the bladder. PLoS Pathogens, 2021, 17, e1009310.	2.1	18
22	Discovery of Bacterial Fimbriaâ€“Glycan Interactions Using Whole-Cell Recombinant Escherichia coli Expression. MBio, 2021, 12, .	1.8	9
23	The microbiome and host mucosal interactions in urinary tract diseases. Mucosal Immunology, 2021, 14, 779-792.	2.7	31
24	Nanomaterials for the Diagnosis and Treatment of Urinary Tract Infections. Nanomaterials, 2021, 11, 546.	1.9	32
25	Local induction of bladder Th1 responses to combat urinary tract infections. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
26	Point-of-Care Pathogen Testing Using Photonic Crystals and Machine Vision for Diagnosis of Urinary Tract Infections. Nano Letters, 2021, 21, 2854-2860.	4.5	40
27	TcpC inhibits toll-like receptor signaling pathway by serving as an E3 ubiquitin ligase that promotes degradation of myeloid differentiation factor 88. PLoS Pathogens, 2021, 17, e1009481.	2.1	6
28	The silent pandemic: Emergent antibiotic resistances following the global response to SARS-CoV-2. IScience, 2021, 24, 102304.	1.9	98
29	Risk of antibiotic treatment failure in premenopausal women with uncomplicated urinary tract infection. Pharmacoepidemiology and Drug Safety, 2021, 30, 1360-1370.	0.9	2
30	Cytochrome bd promotes Escherichia coli biofilm antibiotic tolerance by regulating accumulation of noxious chemicals. Npj Biofilms and Microbiomes, 2021, 7, 35.	2.9	15
31	Nanoparticles as Potential Novel Therapies for Urinary Tract Infections. Frontiers in Cellular and Infection Microbiology, 2021, 11, 656496.	1.8	21
32	Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry for Identification of Microorganisms in Clinical Urine Specimens after Two Pretreatments. Polish Journal of Microbiology, 2021, 70, 207-213.	0.6	2
33	Molecular determinants of disease severity in urinary tract infection. Nature Reviews Urology, 2021, 18, 468-486.	1.9	24
34	Rapid antimicrobial susceptibility testing by stimulated Raman scattering metabolic imaging and morphological deformation of bacteria. Analytica Chimica Acta, 2021, 1168, 338622.	2.6	9
36	Dynamic persistence of UPEC intracellular bacterial communities in a human bladder-chip model of urinary tract infection. ELife, 2021, 10, .	2.8	47
37	Early invasion of the bladder wall by solitary bacteria protects UPEC from antibiotics and neutrophil swarms in an organoid model. Cell Reports, 2021, 36, 109351.	2.9	13
40	Metformin strengthens uroepithelial immunity against E. coli infection. Scientific Reports, 2021, 11, 19263.	1.6	6

#	Article	IF	Citations
41	Urine Culture in Hospitalized Patients during 2014-2018: An Analysis on Pathogen Distribution and Drug Sensitivity. Disease Markers, 2021, 2021, 1-7.	0.6	0
42	Targeting of Uropathogenic Escherichia coli papG gene using CRISPR-dot nanocomplex reduced virulence of UPEC. Scientific Reports, 2021, 11, 17801.	1.6	13
43	Bis â€molybdopterin guanine dinucleotide modulates hemolysin expression under anaerobiosis and contributes to fitness in vivo in uropathogenic Escherichia coli. Molecular Microbiology, 2021, 116, 1216-1231.	1.2	1
45	Proteus mirabilis from community-acquired urinary tract infections (UTI-CA) shares genetic similarity and virulence factors with isolates from chicken, beef and pork meat. Microbial Pathogenesis, 2021, 158, 105098.	1.3	9
46	Urinary Tract Infections in Elderly Patients: A 10-Year Study on Their Epidemiology and Antibiotic Resistance Based on the WHO Access, Watch, Reserve (AWaRe) Classification. Antibiotics, 2021, 10, 1098.	1.5	21
48	Noncancerous Genitourinary Conditions as a Public Health Priority: Conceptualizing the Hidden Burden. Urology, 2022, 166, 39-49.	0.5	6
49	Bacterial anti-adhesion surface design: Surface patterning, roughness and wettability: A review. Journal of Materials Science and Technology, 2022, 99, 82-100.	5.6	119
50	Biofilm Formation and Pathogenesis. Springer Protocols, 2021, , 3-37.	0.1	2
51	Fast detection of E. coli with a novel fluorescent biosensor based on a FRET system between UCNPs and GO@Fe₃O₄ in urine specimens. Analytical Methods, 2021, 13, 2209-2214.	1.3	23
53	The Role of Gut, Vaginal, and Urinary Microbiome in Urinary Tract Infections: From Bench to Bedside. Diagnostics, 2021, 11, 7.	1.3	71
54	Urinary tract infections: Virulence factors, resistance to antibiotics, and management of uropathogenic bacteria with medicinal plantsâ€"A review. Journal of Applied Pharmaceutical Science, 0, , .	0.7	6
55	Pathogenetic Role and Possibilities for Correction of Gut Microbiota Disorders in Urinary Tract Infections. Antibiotiki I Khimioterapiya, 2021, 66, 100-108.	0.1	0
56	Interplay between Phenotypic Resistance to Relevant Antibiotics in Gram-Negative Urinary Pathogens: A Data-Driven Analysis of 10 Yearsâ€™ Worth of Antibiogram Data. Life, 2021, 11, 1059.	1.1	6
58	Oxalate Alters Cellular Bioenergetics, Redox Homeostasis, Antibacterial Response, and Immune Response in Macrophages. Frontiers in Immunology, 2021, 12, 694865.	2.2	13
59	Antibiotic treatment of urinary tract infection and its impact on the gut microbiota. Lancet Infectious Diseases, The, 2021, , .	4.6	6
61	Antibacterial activity of apramycin at acidic pH warrants wide therapeutic window in the treatment of complicated urinary tract infections and acute pyelonephritis. EBioMedicine, 2021, 73, 103652.	2.7	15
63	Distribution and drug resistance of pathogens causing urinary tract infection in patients with urinary calculi. American Journal of Translational Research (discontinued), 2021, 13, 10554-10561.	0.0	0
64	Bladder infection with uropathogenic Escherichia coli increases the excitability of afferent neurons. American Journal of Physiology - Renal Physiology, 2022, 322, F1-F13.	1.3	6

#	Article	IF	Citations
65	Innate Bacteriostatic Mechanisms Defend the Urinary Tract. Annual Review of Physiology, 2022, 84, 533-558.	5.6	7
66	Dissecting and Evaluating the Therapeutic Targets of Coptis Chinensis Franch in the Treatment of Urinary Tract Infections Induced by Escherichia coli. Frontiers in Pharmacology, 2021, 12, 794869.	1.6	8
67	Substantial overlap between symptomatic and asymptomatic genitourinary microbiota states. Microbiome, 2022, 10, 6.	4.9	3
68	Tissue-resident memory T cells in the urogenital tract. Nature Reviews Nephrology, 2022, 18, 209-223.	4.1	12
69	Emerging Role of Microbiome in the Prevention of Urinary Tract Infections in Children. International Journal of Molecular Sciences, 2022, 23, 870.	1.8	16
70	First-generation cephalosporins for the treatment of complicated upper urinary tract infection in adults: A systematic literature review. International Journal of Infectious Diseases, 2022, 116, 403-410.	1.5	0
71	A Semi-Quantitative Assay to Measure Glycosaminoglycan Degradation by the Urinary Microbiota. Frontiers in Cellular and Infection Microbiology, 2021, 11, 803409.	1.8	5
72	Urinary Tract Infection Etiological Profiles and Antibiotic Resistance Patterns Varied Among Different Age Categories: A Retrospective Study From a Tertiary General Hospital During a 12-Year Period. Frontiers in Microbiology, 2021, 12, 813145.	1.5	24
73	Group 3 Innate Lymphoid Cells Protect the Host from the Uropathogenic Escherichia coli Infection in the Bladder. Advanced Science, 2022, 9, e2103303.	5.6	8
74	The Promoter of the Immune-Modulating Gene TIR-Containing Protein C of the Uropathogenic Escherichia coli Strain CFT073 Reacts to the Pathogenâ€™s Environment. International Journal of Molecular Sciences, 2022, 23, 1148.	1.8	2
75	Allicin suppressed Escherichia coli-induced urinary tract infections by a novel MALT1/NF-Î²B pathway. Food and Function, 2022, 13, 3495-3511.	2.1	7
76	In vitro Relative Fitness, in vivo Intestinal Colonization and Genomic Differences of Escherichia coli of ST131 Carrying blaCTXâ€“Mâ€“15. Frontiers in Microbiology, 2021, 12, 798473.	1.5	4
77	Uropathogenic Escherichia coli. , 0, , .		0
78	How Advanced Is Our Understanding of the Role of Intestinal Barrier Dysfunction in the Pathogenesis of Recurrent Urinary Tract Infections. Frontiers in Pharmacology, 2022, 13, 780122.	1.6	5
79	The C5a/C5aR1 Axis Contributes to the Pathogenesis of Acute Cystitis Through Enhancement of Adhesion and Colonization of Uropathogenic E. coli. Frontiers in Cellular and Infection Microbiology, 2022, 12, 824505.	1.8	2
80	Novel Insights on Plant Extracts to Prevent and Treat Recurrent Urinary Tract Infections. Applied Sciences (Switzerland), 2022, 12, 2635.	1.3	7
81	Inhibiting host-protein deposition on urinary catheters reduces associated urinary tract infections. ELife, 2022, 11, .	2.8	26
82	Imidazolium-Based Polypeptide Coating with a Synergistic Antibacterial Effect and a Biofilm-Responsive Property. ACS Macro Letters, 2022, 11, 387-393.	2.3	10

#	Article	IF	Citations
83	Semi-Quantitative Assay to Measure Urease Activity by Urinary Catheter-Associated Uropathogens. Frontiers in Cellular and Infection Microbiology, 2022, 12, 859093.	1.8	4
84	Vaginal Inoculation of Uropathogenic Escherichia coli during Estrus Leads to Genital and Renal Colonization. Infection and Immunity, 2022, 90, e0053221.	1.0	4
85	Enterococcus faecalis alters endo-lysosomal trafficking to replicate and persist within mammalian cells. PLoS Pathogens, 2022, 18, e1010434.	2.1	12
86	The urinary microbiome and biological therapeutics: Novel therapies for urinary tract infections. Microbiological Research, 2022, 259, 127010.	2.5	20
87	Anti-inflammatory iron chelator, DIBI, reduces leukocyte-endothelial adhesion and clinical symptoms of LPS-induced interstitial cystitis in mice. Clinical Hemorheology and Microcirculation, 2021, 79, 395-406.	0.9	3
88	Fluoroquinolone Resistance Pattern among the Bacterial Pathogens Causing Urinary Tract Infection in a Tertiary Care Hospital, Kottayam, Kerala. Journal of Evolution of Medical and Dental Sciences, 2021, 10, 3843-3848.	0.1	1
90	What Doesnâ€™t Kill Them Makes Them Stronger: The Impact of the Resistance Patterns of Urinary Enterobacterales Isolates in Patients from a Tertiary Hospital in Eastern Europe. Antibiotics, 2022, 11, 548.	1.5	11
92	PITing it forward: A new link in the journey of uropathogenic E.Âcoli in the urothelium. Cell Reports, 2022, 39, 110758.	2.9	3
93	In-Human Multiyear Evolution of Carbapenem-Resistant Klebsiella pneumoniae Causing Chronic Colonization and Intermittent Urinary Tract Infections: A Case Study. MSphere, 2022, 7, e0019022.	1.3	2
94	Antimicrobial resistance among GLASS pathogens in Morocco: an epidemiological scoping review. BMC Infectious Diseases, 2022, 22, 438.	1.3	1
95	Anti-inflammatory effects of Abelmoschus manihot (L.) Medik. on LPS-induced cystitis in mice: potential candidate for cystitis treatment based on classic use. Chinese Journal of Natural Medicines, 2022, 20, 321-331.	0.7	1
96	Rapid antimicrobial susceptibility testing for mixed bacterial infection in urine by AI-stimulated Raman scattering metabolic imaging. Medicine in Novel Technology and Devices, 2022, 16, 100132.	0.9	1
97	Antibiotic-resistant pathogenic bacterial isolates from patients attending the outpatient department of university of Cape Coast hospital, Ghana: A retrospective study between 2013â€“2015. PLOS Global Public Health, 2022, 2, e0000417.	0.5	3
98	Study of antibiotic sensitivity pattern in urinary tract infection. International Journal of Health Sciences, 0, , .	0.0	0
99	Differential Urinary Microbiota Composition Between Women With and Without Recurrent Urinary Tract Infection. Frontiers in Microbiology, 2022, 13, .	1.5	5
100	Novel Antimicrobial Strategies to Prevent Biofilm Infections in Catheters after Radical Cystectomy: A Pilot Study. Life, 2022, 12, 802.	1.1	1
101	Probiotics for urinary tract disease prevention and treatment. , 2022, , 513-536.		0
102	Resistance Is Not Futile: The Role of Quorum Sensing Plasticity in Pseudomonas aeruginosa Infections and Its Link to Intrinsic Mechanisms of Antibiotic Resistance. Microorganisms, 2022, 10, 1247.	1.6	12

#	Article	IF	Citations
103	Gardnerella Exposures Alter Bladder Gene Expression and Augment Uropathogenic Escherichia coli Urinary Tract Infection in Mice. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	6
104	Immunomodulation therapy offers new molecular strategies to treat UTI. Nature Reviews Urology, 2022, 19, 419-437.	1.9	16
105	Commensal Urinary Lactobacilli Inhibit Major Uropathogens In Vitro With Heterogeneity at Species and Strain Level. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	7
106	Ucl fimbriae regulation and glycan receptor specificity contribute to gut colonisation by extra-intestinal pathogenic Escherichia coli. PLoS Pathogens, 2022, 18, e1010582.	2.1	6
107	C910 chemical compound inhibits the traffiking of several bacterial AB toxins with cross-protection against influenza virus. IScience, 2022, 25, 104537.	1.9	0
108	Secondary Ammonium-Based Hyperbranched Poly(amidoamine) with Excellent Membrane-Active Property for Multidrug-Resistant Bacterial Infection. ACS Applied Bio Materials, 2022, 5, 3384-3395.	2.3	0
109	Urinary Tract Infections Caused by Uropathogenic Escherichia coli Strainsâ€"New Strategies for an Old Pathogen. Microorganisms, 2022, 10, 1425.	1.6	19
110	Characteristics of Escherichia coli Urine Isolates and Risk Factors for Secondary Bloodstream Infections in Patients with Urinary Tract Infections. Microbiology Spectrum, 2022, 10, .	1.2	3
111	Hospital Urinary Tract Infections in Healthcare Units on the Example of Mazovian Specialist Hospital Ltd. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	4
112	Urinary tract virulence genes in extended-spectrum beta-lactamase E. coli from dairy cows, beef cattle, and small ruminants. Acta Tropica, 2022, 234, 106611.	0.9	2
113	Phenotypic and genotypic study associated with biofilm formation for E. coli isolated from UPEC. International Journal of Health Sciences, 0, , 6203-6210.	0.0	0
114	Diagnostic performance of urine analysis based on flow microimaging and artificial intelligence recognition technology in suspected urinary tract infection patients. Scandinavian Journal of Clinical and Laboratory Investigation, 2022, 82, 385-390.	0.6	1
115	InfecÃ§Ã£o do trato urinÃ¡rio - aspectos epidemiolÃ³gicos, fisiopatolÃ³gicos e manejo terapÃªutico / Urinary tract infection - epidemiological, physiopathological aspects and therapeutic management. Brazilian Journal of Development, 2022, 8, 52571-52580.	0.0	0
116	Rapid Fluorescence Sensor Guided Detection of Urinary Tract Bacterial Infections. International Journal of Nanomedicine, 0, Volume 17, 3723-3733.	3.3	4
117	Risk Factors for Community-Acquired Urinary Tract Infections Caused by Multidrug-Resistant Enterobacterales in Thailand. Antibiotics, 2022, 11, 1039.	1.5	3
118	Uropathogenic Escherichia coli subverts mitochondrial metabolism to enable intracellular bacterial pathogenesis in urinary tract infection. Nature Microbiology, 2022, 7, 1348-1360.	5.9	14
119	Compound Raman microscopy for rapid diagnosis and antimicrobial susceptibility testing of pathogenic bacteria in urine. Frontiers in Microbiology, 0, 13, .	1.5	5
120	Anti-adhesion capacities of selected cranberry polyphenols and metabolites against P-type and Type-1 fimbriated uropathogenic E. coli using a fluorometric method. Food Bioscience, 2022, 49, 101960.	2.0	1

#	Article	IF	Citations
121	Recent Advance in Polymer Coatings Combating Bacterial Adhesion and Biofilm Formation^{â€}. Chinese Journal of Chemistry, 2022, 40, 2988-3000.	2.6	13
122	Multimodal captureÂâ^'Âantibody-independent lateral flow immunoassay based on AuNFÂâ^'ÂPMBA for point-of-care diagnosis of bacterial urinary tract infections. Chemical Engineering Journal, 2023, 451, 139021.	6.6	18
123	Synthesis and biological evaluation of mannosyl triazoles and varying the nature of substituents on the terminal phthalimido moiety in the aglycone backbone. Results in Chemistry, 2022, 4, 100548.	0.9	1
124	Antibacterial Brush Polypeptide Coatings with Anionic Backbones and AMP Mimetic Side-Chains. SSRN Electronic Journal, 0, , .	0.4	0
125	Organic Acids Secreted by Lactobacillus spp. Isolated from Urine and Their Antimicrobial Activity against Uropathogenic Proteus mirabilis. Molecules, 2022, 27, 5557.	1.7	7
126	TcpC Inhibits M1 but Promotes M2 Macrophage Polarization via Regulation of the MAPK/NF-Î°B and Akt/STAT6 Pathways in Urinary Tract Infection. Cells, 2022, 11, 2674.	1.8	17
127	The cnf1 gene is associated with an expanding Escherichia coli ST131 H 30Rx/C2 subclade and confers a competitive advantage for gut colonization. Gut Microbes, 2022, 14, .	4.3	2
128	Redox-Mediated Inactivation of the Transcriptional Repressor RcrR is Responsible for Uropathogenic Escherichia coliâ€™s Increased Resistance to Reactive Chlorine Species. MBio, 2022, 13, .	1.8	6
129	Cranberry (Vaccinium macrocarpon) as a prophylaxis for urinary tract infections in women: A Systematic Review with Meta-Analysis. Journal of Herbal Medicine, 2022, , 100602.	1.0	1
130	Targeted Immunomodulation Therapies as New Options to Cure Urinary Tract Infections. Medicina Interna (Bucharest, Romania: 1991), 2022, 19, 17-22.	0.1	0
131	Optineurin links Hace1-dependent Rac ubiquitylation to integrin-mediated mechanotransduction to control bacterial invasion and cell division. Nature Communications, 2022, 13, .	5.8	7
132	Machine learning to predict the development of recurrent urinary tract infection related to single uropathogen, Escherichia coli. Scientific Reports, 2022, 12, .	1.6	5
133	Applications of Nano/Micromotors for Treatment and Diagnosis in Biological Lumens. Micromachines, 2022, 13, 1780.	1.4	3
134	Clinical Experience with a Medical Device Containing Xyloglucan, Hibiscus, and Propolis for the Control of Acute Uncomplicated Urinary Tract Infection-like Symptoms. Uro, 2022, 2, 245-253.	0.3	2
135	Carbon nanotube-based surfaces: Effect on the inhibition of single- and dual-species biofilms of Escherichia coli and Enterococcus faecalis. Results in Surfaces and Interfaces, 2022, 9, 100090.	1.0	2
137	Effects of aging on urinary tract epithelial homeostasis and immunity. Developmental Biology, 2023, 493, 29-39.	0.9	7
138	Immobilization of poly-L-lysine brush via surface initiated polymerization for the development of long-term antibacterial coating for silicone catheter. Colloids and Surfaces B: Biointerfaces, 2023, 221, 113015.	2.5	4
139	FlowUTI: An interactive web-application for optimizing the use of flow cytometry as a screening tool in urinary tract infections. PLoS ONE, 2022, 17, e0277340.	1.1	2

#	Article	IF	Citations
140	Antibacterial brush polypeptide coatings with anionic backbones. Acta Biomaterialia, 2023, 155, 359-369.	4.1	7
141	Urinary Tract Infections, Renal Abscess, and Other Complex Renal Infections. , 2023, , 352-358.e4.		0
142	Uropathogenic Escherichia coli virulence characteristics and antimicrobial resistance amongst pediatric urinary tract infections. Journal of Medicine and Life, 2022, 15, 650-654.	0.4	3
143	Design of a chimeric protein composed of FimH, FyuA and CNF-1 virulence factors from uropathogenic Escherichia coli and evaluation its biological activity and immunogenicity in vitro and in vivo. Microbial Pathogenesis, 2023, 174, 105920.	1.3	0
144	Nanomechanical probing of bacterial adhesion to biodegradable Zn alloys. , 2023, 145, 213243.		2
145	Candida albicans V132 induces trained immunity and enhances the responses triggered by the polybacterial vaccine MV140 for genitourinary tract infections. Frontiers in Immunology, 0, 13, .	2.2	6
146	Can the Therapeutic Spectrum of Probiotics be Extended: Exploring Potential of Gut Microbiome. Recent Advances in Anti-Infective Drug Discovery, 2023, 18, 120-147.	0.4	0
147	Polysaccharides from Vaccaria segetalis seeds reduce urinary tract infections by inhibiting the adhesion and invasion abilities of uropathogenic Escherichia coli. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	4
148	Bacterial filamentation during urinary tract infections. PLoS Pathogens, 2022, 18, e1010950.	2.1	4
150	E. coli catheter-associated urinary tract infections are associated with distinctive virulence and biofilm gene determinants. JCI Insight, 2023, 8, .	2.3	8
151	Network of Interaction among Enterobacter Species and Klebsiella Pneumonia Clinical Isolates and the Antibiotic Resistance Pattern at Cape Coast. Open Microbiology Journal, 2022, 16, .	0.2	2
152	HDAC7 is an immunometabolic switch triaging danger signals for engagement of antimicrobial versus inflammatory responses in macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	3
153	Susceptibility and Virulence of Enterobacteriaceae Isolated from Urinary Tract Infections in Benin. Microorganisms, 2023, 11, 213.	1.6	5
154	Suggestion of a fimH Inhibitor by a Molecular Docking Method for Escherichia coli Isolated from Clinical Samples of Patients with UTI. MikrobiolohichnyÄ-Zhurnal, 2023, 84, 40-47.	0.2	0
155	Microbiome and Ñytokine profile in male infertility, concomitant autoimmune joint pathology and inflammatory diseases of the genitourinary system. Experimental and Clinical Physiology and Biochemistry, 2022, 95, .	0.2	0
156	Monitoring fluoroquinolone resistance among ESBL-positive and ESBL-negative Escherichia coli strains isolated from urinary tract infections: An alert for empirical treatment. Revista Da Sociedade Brasileira De Medicina Tropical, 0, 56, .	0.4	2
157	A Novel Strain of Probiotic Leuconostoc citreum Inhibits Infection-Causing Bacterial Pathogens. Microorganisms, 2023, 11, 469.	1.6	3
158	Evasion of toll-like receptor recognition by Escherichia coli is mediated via population level regulation of flagellin production. Frontiers in Microbiology, 0, 14, .	1.5	0

#	Article	IF	Citations
159	Addressing antibiotic resistance: computational answers to a biological problem?. Current Opinion in Microbiology, 2023, 74, 102305.	2.3	1
160	Community-Acquired Urinary Tract Infection Among Sexually Active Women: Risk Factors, Bacterial Profile and Their Antimicrobial Susceptibility Patterns, Arba Minch, Southern Ethiopia. Infection and Drug Resistance, 0, Volume 16, 2297-2310.	1.1	0
162	Saltâ€Triggered Adaptive Dissociation Coating with Dual Effect of Antibacteria and Antiâ€Multiple Encrustations in Urological Devices. Advanced Healthcare Materials, 2023, 12, .	3.9	7
163	Non-Microbiological Tests for the Diagnosis of Urinary Tract Infection. , 0, , .		0
164	Prevalence, Resistance Patterns and Biofilm Production Ability of Bacterial Uropathogens from Cases of Community-Acquired Urinary Tract Infections in South Italy. Pathogens, 2023, 12, 537.	1.2	4
165	Infections of the Genitourinary Tract. , 2021, , 1669-1687.		0
166	Comparative Docking Studies of Potential Candidates from Kokum and Cranberry as Anti-Adhesins Against UTI. Biomedical and Pharmacology Journal, 2023, 16, 595-604.	0.2	0
167	Pharmacokinetic/Pharmacodynamic Analysis of Oral Calcium Fosfomycin: Are Urine Levels Sufficient to Ensure Efficacy for Urinary Tract Infections?. Pharmaceutics, 2023, 15, 1185.	2.0	0
168	A review on traditional natural compounds and conventional methods for the treatment of UTI. Urine, 2023, , .	4.0	1
169	Antibiotic Resistance Pattern of Enterobacteriaceae Strains Isolated from Community Urinary Tract Infections in Algiers, Algeria. Advanced Research in Life Sciences, 2023, 7, 46-53.	0.4	0
170	Emerging Non-Antibiotic Options Targeting Uropathogenic Mechanisms for Recurrent Uncomplicated Urinary Tract Infection. International Journal of Molecular Sciences, 2023, 24, 7055.	1.8	7
171	Uropathogenic E. coli creates a memory. Nature Reviews Microbiology, 0, , .	13.6	0
172	Improved Analysis of Inflammatory Diseases in Women using Artificial Intelligence based Approach. , 2023, , .		0
173	Urinary Tract Infections: The Current Scenario and Future Prospects. Pathogens, 2023, 12, 623.	1.2	31
177	Editorial: Integrated omics approaches in the understanding of host-pathogen interactions. Frontiers in Cellular and Infection Microbiology, 0, 13, .	1.8	0
183	An Updated Overview on the Resistance and Virulence of UPEC. , 2023, , 249-276.		0
192	From mucosal infection to successful cancer immunotherapy. Nature Reviews Urology, 0, , .	1.9	2
201	Advancing understanding of microbial biofilms through machine learning-powered studies. Food Science and Biotechnology, 2023, 32, 1653-1664.	1.2	1

#	Article	IF	Citations
234	Prospective Phycocompounds for Developing Therapeutics for Urinary Tract Infection. Current Microbiology, 2024, 81, .	1.0	0
249	Microfluidic systems for infectious disease diagnostics. Lab on A Chip, 2024, 24, 1441-1493.	3.1	0
250	Ureases as drug targets in urinary tract infections. , 2024, , 297-340.		0