

# Chelsie E Armbruster

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,910  
citations

361413

20  
h-index

414414

32  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Merging mythology and morphology: the multifaceted lifestyle of <i>Proteus mirabilis</i> . <i>Nature Reviews Microbiology</i> , 2012, 10, 743-754.	28.6	226
2	Pathogenesis of <i>Proteus mirabilis</i> Infection. <i>EcoSal Plus</i> , 2018, 8, .	5.4	208
3	Indirect Pathogenicity of <i>Haemophilus influenzae</i> and <i>Moraxella catarrhalis</i> in Polymicrobial Otitis Media Occurs via Interspecies Quorum Signaling. <i>MBio</i> , 2010, 1, .	4.1	184
4	Nontypeable <i>Haemophilus influenzae</i> Initiates Formation of Neutrophil Extracellular Traps. <i>Infection and Immunity</i> , 2011, 79, 431-438.	2.2	122
5	Genome-wide transposon mutagenesis of <i>Proteus mirabilis</i> : Essential genes, fitness factors for catheter-associated urinary tract infection, and the impact of polymicrobial infection on fitness requirements. <i>PLoS Pathogens</i> , 2017, 13, e1006434.	4.7	97
6	Coinfection with <i>Haemophilus influenzae</i> Promotes Pneumococcal Biofilm Formation during Experimental Otitis Media and Impedes the Progression of Pneumococcal Disease. <i>Journal of Infectious Diseases</i> , 2010, 202, 1068-1075.	4.0	94
7	Rapid Growth of Uropathogenic <i>Escherichia coli</i> during Human Urinary Tract Infection. <i>MBio</i> , 2018, 9, .	4.1	93
8	The Pathogenic Potential of <i>Proteus mirabilis</i> Is Enhanced by Other Uropathogens during Polymicrobial Urinary Tract Infection. <i>Infection and Immunity</i> , 2017, 85, .	2.2	81
9	Direct Evaluation of <i>Pseudomonas aeruginosa</i> Biofilm Mediators in a Chronic Infection Model. <i>Infection and Immunity</i> , 2011, 79, 3087-3095.	2.2	79
10	Increased Incidence of Urolithiasis and Bacteremia During <i>Proteus mirabilis</i> and <i>Providencia stuartii</i> Coinfection Due to Synergistic Induction of Urease Activity. <i>Journal of Infectious Diseases</i> , 2014, 209, 1524-1532.	4.0	77
11	RbsB (NTHI_0632) mediates quorum signal uptake in nontypeable <i>Haemophilus influenzae</i> strain 86-028NP. <i>Molecular Microbiology</i> , 2011, 82, 836-850.	2.5	63
12	LuxS Promotes Biofilm Maturation and Persistence of Nontypeable <i>Haemophilus influenzae</i> In Vivo via Modulation of Lipooligosaccharides on the Bacterial Surface. <i>Infection and Immunity</i> , 2009, 77, 4081-4091.	2.2	62
13	Divergent Mechanisms for Passive Pneumococcal Resistance to $\beta$ -Lactam Antibiotics in the Presence of <i>Haemophilus influenzae</i> . <i>Journal of Infectious Diseases</i> , 2011, 203, 549-555.	4.0	62
14	Initiation of Swarming Motility by <i>Proteus mirabilis</i> Occurs in Response to Specific Cues Present in Urine and Requires Excess L-Glutamine. <i>Journal of Bacteriology</i> , 2013, 195, 1305-1319.	2.2	54
15	How Often Do Clinically Diagnosed Catheter-Associated Urinary Tract Infections in Nursing Homes Meet Standardized Criteria?. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 395-401.	2.6	51
16	Longitudinal Assessment of Multidrug-Resistant Organisms in Newly Admitted Nursing Facility Patients: Implications for an Evolving Population. <i>Clinical Infectious Diseases</i> , 2018, 67, 837-844.	5.8	50
17	Peroxiredoxin-Glutaredoxin and Catalase Promote Resistance of Nontypeable <i>Haemophilus influenzae</i> 86-028NP to Oxidants and Survival within Neutrophil Extracellular Traps. <i>Infection and Immunity</i> , 2015, 83, 239-246.	2.2	39
18	<i>Enterococcus faecalis</i> Polymicrobial Interactions Facilitate Biofilm Formation, Antibiotic Recalcitrance, and Persistent Colonization of the Catheterized Urinary Tract. <i>Pathogens</i> , 2020, 9, 835.	2.8	32

#	ARTICLE	IF	CITATIONS
19	Polymicrobial Interactions in the Urinary Tract: Is the Enemy of My Enemy My Friend?. <i>Infection and Immunity</i> , 2021, 89, .	2.2	31
20	Twin arginine translocation, ammonia incorporation, and polyamine biosynthesis are crucial for <i>Proteus mirabilis</i> fitness during bloodstream infection. <i>PLoS Pathogens</i> , 2019, 15, e1007653.	4.7	29
21	Arginine promotes <i>Proteus mirabilis</i> motility and fitness by contributing to conservation of the proton gradient and proton motive force. <i>MicrobiologyOpen</i> , 2014, 3, 630-641.	3.0	25
22	Interspecies bacterial communication as a target for therapy in otitis media. <i>Expert Review of Anti-Infective Therapy</i> , 2010, 8, 1067-1070.	4.4	21
23	Autoinducer 2 (AI-2) Production by Nontypeable <i>Haemophilus influenzae</i> 86-028NP Promotes Expression of a Predicted Glycosyltransferase That Is a Determinant of Biofilm Maturation, Prevention of Dispersal, and Persistence <i>In Vivo</i> . <i>Infection and Immunity</i> , 2018, 86, .	2.2	20
24	Urine Cytokine and Chemokine Levels Predict Urinary Tract Infection Severity Independent of Uropathogen, Urine Bacterial Burden, Host Genetics, and Host Age. <i>Infection and Immunity</i> , 2018, 86, .	2.2	19
25	d-Serine Degradation by <i>Proteus mirabilis</i> Contributes to Fitness during Single-Species and Polymicrobial Catheter-Associated Urinary Tract Infection. <i>MSphere</i> , 2019, 4, .	2.9	16
26	A Rare Opportunist, <i>Morganella morganii</i> , Decreases Severity of Polymicrobial Catheter-Associated Urinary Tract Infection. <i>Infection and Immunity</i> , 2019, 88, .	2.2	14
27	Transposon Insertion Site Sequencing of <i>Providencia stuartii</i> : Essential Genes, Fitness Factors for Catheter-Associated Urinary Tract Infection, and the Impact of Polymicrobial Infection on Fitness Requirements. <i>MSphere</i> , 2020, 5, .	2.9	14
28	Catalase Activity is Critical for <i>Proteus mirabilis</i> Biofilm Development, Extracellular Polymeric Substance Composition, and Dissemination during Catheter-Associated Urinary Tract Infection. <i>Infection and Immunity</i> , 2021, 89, e0017721.	2.2	10
29	Indwelling Urinary Catheter Model of <i>Proteus mirabilis</i> Infection. <i>Methods in Molecular Biology</i> , 2019, 2021, 187-200.	0.9	9
30	Ynt is the primary nickel import system used by <i>Proteus mirabilis</i> and specifically contributes to fitness by supplying nickel for urease activity. <i>Molecular Microbiology</i> , 2020, 114, 185-199.	2.5	8
31	Prospective assessment of catheter-associated bacteriuria clinical presentation, epidemiology, and colonization dynamics in nursing home residents. <i>JCI Insight</i> , 2021, 6, .	5.0	8
32	Transposon Insertion Site Sequencing in a Urinary Tract Model. <i>Methods in Molecular Biology</i> , 2019, 2021, 297-337.	0.9	1
33	Urease Activity is Enhanced During Coculture of Common Catheter-Associated Urinary Tract Infection (CAUTI) Pathogens and Contributes to Severity of Disease in a Murine Infection Model. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.9	0
34	mSphere of Influence: Of Mice, Men, and Microbes—How Well Do Experimental Models Recapitulate Human Infection?. <i>MSphere</i> , 2021, 6, .	2.9	0
35	Testing the Ability of Compounds to Induce Swarming. <i>Methods in Molecular Biology</i> , 2019, 2021, 27-34.	0.9	0