

Mark A Schembri

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#	Paper	IF	Citations
233	Attenuation of <i>Pseudomonas aeruginosa</i> virulence by quorum sensing inhibitors. <i>EMBO Journal</i> , 2003 , 22, 3803-15	13	1019
232	Type 1 fimbrial expression enhances <i>Escherichia coli</i> virulence for the urinary tract. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 9827-32	11.5	553
231	Global gene expression in <i>Escherichia coli</i> biofilms. <i>Molecular Microbiology</i> , 2003 , 48, 253-67	4.1	432
230	Global dissemination of a multidrug resistant <i>Escherichia coli</i> clone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5694-9	11.5	354
229	Receptor binding studies disclose a novel class of high-affinity inhibitors of the <i>Escherichia coli</i> FimH adhesin. <i>Molecular Microbiology</i> , 2005 , 55, 441-55	4.1	327
228	Pathogenic adaptation of <i>Escherichia coli</i> by natural variation of the FimH adhesin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 8922-6	11.5	298
227	Antimicrobial Resistance in ESKAPE Pathogens. <i>Clinical Microbiology Reviews</i> , 2020 , 33,	34	290
226	Development and maturation of <i>Escherichia coli</i> K-12 biofilms. <i>Molecular Microbiology</i> , 2003 , 48, 933-46	4.1	268
225	Bacterial adhesins: function and structure. <i>International Journal of Medical Microbiology</i> , 2000 , 290, 27-35	3.7	265
224	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
223	Identification of genes implicated in toxin production in the cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Environmental Toxicology</i> , 2001 , 16, 413-21	4.2	219
222	DSB proteins and bacterial pathogenicity. <i>Nature Reviews Microbiology</i> , 2009 , 7, 215-25	22.2	217
221	The emerging threat of multidrug-resistant Gram-negative bacteria in urology. <i>Nature Reviews Urology</i> , 2015 , 12, 570-84	5.5	204
220	Capsule shields the function of short bacterial adhesins. <i>Journal of Bacteriology</i> , 2004 , 186, 1249-57	3.5	163
219	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
218	Functional analysis of antigen 43 in uropathogenic <i>Escherichia coli</i> reveals a role in long-term persistence in the urinary tract. <i>Infection and Immunity</i> , 2007 , 75, 3233-44	3.7	154
217	Insights into a multidrug resistant <i>Escherichia coli</i> pathogen of the globally disseminated ST131 lineage: genome analysis and virulence mechanisms. <i>PLoS ONE</i> , 2011 , 6, e26578	3.7	149

216	Novel roles for the AIDA adhesin from diarrheagenic <i>Escherichia coli</i> : cell aggregation and biofilm formation. <i>Journal of Bacteriology</i> , 2004 , 186, 8058-65	3.5	145
215	MrkH, a novel c-di-GMP-dependent transcriptional activator, controls <i>Klebsiella pneumoniae</i> biofilm formation by regulating type 3 fimbriae expression. <i>PLoS Pathogens</i> , 2011 , 7, e1002204	7.6	137
214	Uropathogenic <i>Escherichia coli</i> virulence and innate immune responses during urinary tract infection. <i>Current Opinion in Microbiology</i> , 2013 , 16, 100-7	7.9	136
213	The origin and fate of herniated lumbar intervertebral disc tissue. <i>Spine</i> , 1996 , 21, 2149-55	3.3	128
212	Antigen 43 facilitates formation of multispecies biofilms. <i>Environmental Microbiology</i> , 2000 , 2, 695-702	5.2	127
211	Sequential Acquisition of Virulence and Fluoroquinolone Resistance Has Shaped the Evolution of <i>Escherichia coli</i> ST131. <i>MBio</i> , 2016 , 7, e00347-16	7.8	121
210	UpaG, a new member of the trimeric autotransporter family of adhesins in uropathogenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2008 , 190, 4147-61	3.5	119
209	The asymptomatic bacteriuria <i>Escherichia coli</i> strain 83972 outcompetes uropathogenic <i>E. coli</i> strains in human urine. <i>Infection and Immunity</i> , 2006 , 74, 615-24	3.7	116
208	Structure-function analysis of the self-recognizing Antigen 43 autotransporter protein from <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2004 , 51, 283-96	4.1	116
207	Chaperone-usher fimbriae of <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2013 , 8, e52835	3.7	111
206	Metal ions in macrophage antimicrobial pathways: emerging roles for zinc and copper. <i>Bioscience Reports</i> , 2013 , 33,	4.1	109
205	The serum resistome of a globally disseminated multidrug resistant uropathogenic <i>Escherichia coli</i> clone. <i>PLoS Genetics</i> , 2013 , 9, e1003834	6	106
204	Biofilm formation in a hydrodynamic environment by novel fimh variants and ramifications for virulence. <i>Infection and Immunity</i> , 2001 , 69, 1322-8	3.7	106
203	Copper redistribution in murine macrophages in response to <i>Salmonella</i> infection. <i>Biochemical Journal</i> , 2012 , 444, 51-7	3.8	104
202	Molecular characterization of the toxic cyanobacterium <i>Cylindrospermopsis raciborskii</i> and design of a species-specific PCR. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 332-8	4.8	103
201	Molecular characterization of the <i>Escherichia coli</i> asymptomatic bacteriuria strain 83972: the taming of a pathogen. <i>Infection and Immunity</i> , 2006 , 74, 781-5	3.7	102
200	EhaA is a novel autotransporter protein of enterohemorrhagic <i>Escherichia coli</i> O157:H7 that contributes to adhesion and biofilm formation. <i>Environmental Microbiology</i> , 2008 , 10, 589-604	5.2	101
199	Capsule and fimbria interaction in <i>Klebsiella pneumoniae</i> . <i>Infection and Immunity</i> , 2005 , 73, 4626-33	3.7	99

198	Sequestration of zinc oxide by fimbrial designer chelators. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 10-4	4.8	98
197	Autotransporter proteins: novel targets at the bacterial cell surface. <i>FEMS Microbiology Letters</i> , 2007 , 274, 163-72	2.9	97
196	A FimH inhibitor prevents acute bladder infection and treats chronic cystitis caused by multidrug-resistant uropathogenic Escherichia coli ST131. <i>Journal of Infectious Diseases</i> , 2013 , 208, 921-8	7	96
195	The multi-copper-ion oxidase CueO of Salmonella enterica serovar Typhimurium is required for systemic virulence. <i>Infection and Immunity</i> , 2010 , 78, 2312-9	3.7	91
194	Differential expression of the Escherichia coli autoaggregation factor antigen 43. <i>Journal of Bacteriology</i> , 2003 , 185, 2236-42	3.5	89
193	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
192	Stepwise evolution of pandrug-resistance in Klebsiella pneumoniae. <i>Scientific Reports</i> , 2015 , 5, 15082	4.9	87
191	Antigen 43 from Escherichia coli induces inter- and intraspecies cell aggregation and changes in colony morphology of Pseudomonas fluorescens. <i>Journal of Bacteriology</i> , 2000 , 182, 4789-96	3.5	87
190	Structure and function of DsbA, a key bacterial oxidative folding catalyst. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 1729-60	8.4	86
189	The role of F9 fimbriae of uropathogenic Escherichia coli in biofilm formation. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 2321-2331	2.9	79
188	Antigen 43 and type 1 fimbriae determine colony morphology of Escherichia coli K-12. <i>Journal of Bacteriology</i> , 2000 , 182, 1089-95	3.5	79
187	Virulence properties of asymptomatic bacteriuria Escherichia coli. <i>International Journal of Medical Microbiology</i> , 2009 , 299, 53-63	3.7	78
186	Identification of type 3 fimbriae in uropathogenic Escherichia coli reveals a role in biofilm formation. <i>Journal of Bacteriology</i> , 2008 , 190, 1054-63	3.5	78
185	FimH-mediated autoaggregation of Escherichia coli. <i>Molecular Microbiology</i> , 2001 , 41, 1419-30	4.1	77
184	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
183	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
182	Functional flexibility of the FimH adhesin: insights from a random mutant library. <i>Infection and Immunity</i> , 2000 , 68, 2638-46	3.7	75
181	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

180	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
179	Uropathogenic Escherichia coli mediated urinary tract infection. <i>Current Drug Targets</i> , 2012 , 13, 1386-99	3	71
178	UpaH is a newly identified autotransporter protein that contributes to biofilm formation and bladder colonization by uropathogenic Escherichia coli CFT073. <i>Infection and Immunity</i> , 2010 , 78, 1659-69	3.7	70
177	Coordinate gene regulation by fimbriae-induced signal transduction. <i>EMBO Journal</i> , 2001 , 20, 3074-81	13	68
176	Bioaccumulation of heavy metals by fimbrial designer adhesins. <i>FEMS Microbiology Letters</i> , 1999 , 170, 363-71	2.9	68
175	Antigen-43-mediated autoaggregation impairs motility in Escherichia coli. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 2101-2110	2.9	67
174	Molecular characterization of UpaB and UpaC, two new autotransporter proteins of uropathogenic Escherichia coli CFT073. <i>Infection and Immunity</i> , 2012 , 80, 321-32	3.7	66
173	Diversity of group B streptococcus serotypes causing urinary tract infection in adults. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 2055-60	9.7	65
172	Asymptomatic bacteriuria Escherichia coli strain 83972 carries mutations in the foc locus and is unable to express F1C fimbriae. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 1799-1806	2.9	65
171	Role of capsule and O antigen in the virulence of uropathogenic Escherichia coli. <i>PLoS ONE</i> , 2014 , 9, e94786	3.86	63
170	Molecular epidemiology of multidrug-resistant Acinetobacter baumannii in a single institution over a 10-year period. <i>Journal of Clinical Microbiology</i> , 2010 , 48, 4051-6	9.7	62
169	Ribotyping of Helicobacter pylori from clinical specimens. <i>Journal of Clinical Microbiology</i> , 1992 , 30, 1562-7	3.7	62
168	Mellowing out: adaptation to commensalism by Escherichia coli asymptomatic bacteriuria strain 83972. <i>Infection and Immunity</i> , 2007 , 75, 3688-95	3.7	61
167	Characterization of two homologous disulfide bond systems involved in virulence factor biogenesis in uropathogenic Escherichia coli CFT073. <i>Journal of Bacteriology</i> , 2009 , 191, 3901-8	3.5	60
166	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
165	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
164	Identification of novel vaccine candidates against multidrug-resistant Acinetobacter baumannii. <i>PLoS ONE</i> , 2013 , 8, e77631	3.7	56
163	Molecular characterization of the EhaG and UpaG trimeric autotransporter proteins from pathogenic Escherichia coli. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 2179-89	4.8	56

162	The co-transcriptome of uropathogenic <i>Escherichia coli</i> -infected mouse macrophages reveals new insights into host-pathogen interactions. <i>Cellular Microbiology</i> , 2015 , 17, 730-46	3.9	55
161	Differential temperature modulation by H-NS of the <i>fimB</i> and <i>fimE</i> recombinase genes which control the orientation of the type 1 fimbrial phase switch. <i>FEMS Microbiology Letters</i> , 1998 , 162, 17-23	2.9	55
160	Antigen 43-mediated autotransporter display, a versatile bacterial cell surface presentation system. <i>Journal of Bacteriology</i> , 2002 , 184, 4197-204	3.5	55
159	A virulent parent with probiotic progeny: comparative genomics of <i>Escherichia coli</i> strains CFT073, Nissle 1917 and ABU 83972. <i>Molecular Genetics and Genomics</i> , 2010 , 283, 469-84	3.1	54
158	A comparison of diagnostic tests to determine <i>Helicobacter pylori</i> infection. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1992 , 7, 203-9	4	52
157	Novel Zn(2+)-chelating peptides selected from a fimbria-displayed random peptide library. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 5467-73	4.8	50
156	Linker insertion analysis of the FimH adhesin of type 1 fimbriae in an <i>Escherichia coli</i> <i>fimH</i> -null background. <i>FEMS Microbiology Letters</i> , 1996 , 137, 257-63	2.9	50
155	<i>Salmonella</i> 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
154	Molecular analysis of the <i>Acinetobacter baumannii</i> biofilm-associated protein. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6535-43	4.8	49
153	Intramacrophage survival of uropathogenic <i>Escherichia coli</i> : differences between diverse clinical isolates and between mouse and human macrophages. <i>Immunobiology</i> , 2011 , 216, 1164-71	3.4	49
152	Conjugative plasmid transfer and adhesion dynamics in an <i>Escherichia coli</i> biofilm. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 6783-91	4.8	48
151	Mechanism of bacterial interference with TLR4 signaling by <i>Brucella</i> Toll/interleukin-1 receptor domain-containing protein TcpB. <i>Journal of Biological Chemistry</i> , 2014 , 289, 654-68	5.4	47
150	Autotransporters of <i>Escherichia coli</i> : a sequence-based characterization. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 2459-2469	2.9	47
149	<i>Helicobacter pylori</i> prevalence in endoscopy and medical staff. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1994 , 9, 319-24	4	47
148	Epithelial cell coculture models for studying infectious diseases: benefits and limitations. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 852419		45
147	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
146	Genome-wide mapping of cystitis due to <i>Streptococcus agalactiae</i> and <i>Escherichia coli</i> 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
145	The <i>Escherichia coli</i> K-12 <i>gntP</i> gene allows <i>E. coli</i> F-18 to occupy a distinct nutritional niche in the streptomycin-treated mouse large intestine. <i>Infection and Immunity</i> , 1996 , 64, 3497-503	3.7	43

144	Do type 1 fimbriae promote inflammation in the human urinary tract?. <i>Cellular Microbiology</i> , 2007 , 9, 1766-81	3.9	42
143	DNA microarray analysis of fim mutations in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 2002 , 267, 721-9	3.1	42
142	Structural and functional characterization of three DsbA paralogues from Salmonella enterica serovar typhimurium. <i>Journal of Biological Chemistry</i> , 2010 , 285, 18423-32	5.4	41
141	Phosphate concentration regulates transcription of the Acinetobacter polyhydroxyalkanoic acid biosynthetic genes. <i>Journal of Bacteriology</i> , 1995 , 177, 4501-7	3.5	41
140	The Escherichia coli O157:H7 EhaB autotransporter protein binds to laminin and collagen I and induces a serum IgA response in O157:H7 challenged cattle. <i>Environmental Microbiology</i> , 2009 , 11, 1803-14	5.2	40
139	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
138	An antioxidant role for catecholate siderophores in Salmonella. <i>Biochemical Journal</i> , 2013 , 454, 543-9	3.8	39
137	Molecular analysis of type 3 fimbrial genes from Escherichia coli, Klebsiella and Citrobacter species. <i>BMC Microbiology</i> , 2010 , 10, 183	4.5	39
136	Effective assembly of fimbriae in Escherichia coli depends on the translocation assembly module nanomachine. <i>Nature Microbiology</i> , 2016 , 1, 16064	26.6	38
135	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
134	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
133	Comparative genomics of Escherichia coli strains causing urinary tract infections. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 3268-78	4.8	38
132	Hospital-wide Eradication of a Nosocomial Legionella pneumophila Serogroup 1 Outbreak. <i>Clinical Infectious Diseases</i> , 2016 , 62, 273-279	11.6	37
131	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
130	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
129	Population dynamics of an Escherichia coli ST131 lineage during recurrent urinary tract infection. <i>Nature Communications</i> , 2019 , 10, 3643	17.4	36
128	Fimbrial surface display systems in bacteria: from vaccines to random libraries. <i>Microbiology (United Kingdom)</i> , 2000 , 146 Pt 12, 3025-3032	2.9	36
127	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

126	Expression and purification of the mannose recognition domain of the FimH adhesin. <i>FEMS Microbiology Letters</i> , 2000 , 188, 147-51	2.9	35
125	The cytochrome bd-I respiratory oxidase augments survival of multidrug-resistant <i>Escherichia coli</i> during infection. <i>Scientific Reports</i> , 2016 , 6, 35285	4.9	34
124	Control of an outbreak of carbapenem-resistant <i>Acinetobacter baumannii</i> in Australia after introduction of environmental cleaning with a commercial oxidizing disinfectant. <i>Infection Control and Hospital Epidemiology</i> , 2010 , 31, 418-20	2	34
123	Mechanisms Involved in Acquisition of bla _{NDM} Genes by IncA/C2 and IncFIIY Plasmids. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 4082-8	5.9	34
122	Valency conversion in the type 1 fimbrial adhesin of <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2001 , 41, 675-86	4.1	33
121	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
120	Molecular characterization of a multidrug resistance IncF plasmid from the globally disseminated <i>Escherichia coli</i> ST131 clone. <i>PLoS ONE</i> , 2015 , 10, e0122369	3.7	32
119	Chemical Synergy between Ionophore PBT2 and Zinc Reverses Antibiotic Resistance. <i>MBio</i> , 2018 , 9,	7.8	31
118	F9 fimbriae of uropathogenic <i>Escherichia coli</i> are expressed at low temperature and recognise Gal β -3GlcNAc-containing glycans. <i>PLoS ONE</i> , 2014 , 9, e93177	3.7	30
117	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
116	Molecular characterization of the <i>Escherichia coli</i> FimH adhesin. <i>Journal of Infectious Diseases</i> , 2001 , 183 Suppl 1, S28-31	7	30
115	Cloning and analysis of the polyhydroxyalkanoic acid synthase gene from an <i>Acinetobacter</i> sp.: evidence that the gene is both plasmid and chromosomally located. <i>FEMS Microbiology Letters</i> , 1994 , 118, 145-52	2.9	30
114	Discovery of β -Mediated Colistin Resistance in a Highly Virulent <i>Escherichia coli</i> Lineage. <i>MSphere</i> , 2018 , 3,	5	30
113	Genome-Wide Discovery of Genes Required for Capsule Production by Uropathogenic. <i>MBio</i> , 2017 , 8,	7.8	29
112	UafB is a serine-rich repeat adhesin of <i>Staphylococcus saprophyticus</i> that mediates binding to fibronectin, fibrinogen and human uroepithelial cells. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 1161-1175	2.9	29
111	Identification of a 13-kDa protein associated with the polyhydroxyalkanoic acid granules from <i>Acinetobacter</i> spp. <i>FEMS Microbiology Letters</i> , 1995 , 133, 277-83	2.9	29
110	Modifications in the pmrB gene are the primary mechanism for the development of chromosomally encoded resistance to polymyxins in uropathogenic <i>Escherichia coli</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2017 , 72, 2729-2736	5.1	28
109	Molecular Characterization of the Multidrug Resistant <i>Escherichia coli</i> ST131 Clone. <i>Pathogens</i> , 2015 , 4, 422-30	4.5	28

108	Functional heterogeneity of the UpaH autotransporter protein from uropathogenic <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 5769-82	3.5	28
107	Evaluation of a multiplex PCR to identify and serotype <i>Actinobacillus pleuropneumoniae</i> serovars 1, 5, 7, 12 and 15. <i>Letters in Applied Microbiology</i> , 2014 , 59, 362-9	2.9	27
106	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
105	Comparative analysis of the uropathogenic <i>Escherichia coli</i> surface proteome by tandem mass-spectrometry of artificially induced outer membrane vesicles. <i>Journal of Proteomics</i> , 2015 , 115, 93-106	3.9	26
104	Orientation-dependent enhancement by H-NS of the activity of the type 1 fimbrial phase switch promoter in <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 1998 , 259, 336-44		26
103	An attractive surface: gram-negative bacterial biofilms. <i>Science Signaling</i> , 2002 , 2002, re6	8.8	26
102	A Novel Protective Vaccine Antigen from the Core Genome. <i>MSphere</i> , 2016 , 1,	5	26
101	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
100	Intestinal Colonization Traits of Pandemic Multidrug-Resistant <i>Escherichia coli</i> ST131. <i>Journal of Infectious Diseases</i> , 2018 , 218, 979-990	7	24
99	Uropathogenic <i>Escherichia coli</i> 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
98	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
97	The role of H4 flagella in <i>Escherichia coli</i> ST131 virulence. <i>Scientific Reports</i> , 2015 , 5, 16149	4.9	24
96	<i>Escherichia coli</i> 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
95	Trade-off between iron uptake and protection against oxidative stress: deletion of <i>cueO</i> promotes uropathogenic <i>Escherichia coli</i> virulence in a mouse model of urinary tract infection. <i>Journal of Bacteriology</i> , 2008 , 190, 6909-12	3.5	24
94	The cysteine bond in the <i>Escherichia coli</i> FimH adhesin is critical for adhesion under flow conditions. <i>Molecular Microbiology</i> , 2007 , 65, 1158-69	4.1	23
93	Copper Ions and Coordination Complexes as Novel Carbapenem Adjuvants. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	23
92	Regulation of hemolysin in uropathogenic <i>Escherichia coli</i> fine-tunes killing of human macrophages. <i>Virulence</i> , 2018 , 9, 967-980	4.7	22
91	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

90	Characterization of EhaJ, a New Autotransporter Protein from Enterohemorrhagic and Enteropathogenic Escherichia coli. <i>Frontiers in Microbiology</i> , 2011 , 2, 120	5.7	22
89	Fimbrial adhesins from extraintestinal Escherichia coli. <i>Environmental Microbiology Reports</i> , 2010 , 2, 628-49	3.7	22
88	A periplasmic thioredoxin-like protein plays a role in defense against oxidative stress in Neisseria gonorrhoeae. <i>Infection and Immunity</i> , 2009 , 77, 4934-9	3.7	22
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