Harry L T Mobley

List of Publications by Year in Descending Order

319 papers	18,238 citations	67 h-index	126 g-index
342 ext. papers	21,339 ext. citations	5.8 avg, IF	6.86 L-index

#	Paper	IF	Citations
319	Identification of distinct capsule types associated with Serratia marcescens infection isolates.. *PLoS Pathogens*, **2022**, 18, e1010423	7.6	0
318	CpxA Phosphatase Inhibitor Activates CpxRA and Is a Potential Treatment for Uropathogenic Escherichia coli in a Murine Model of Infection.. *Microbiology Spectrum*, **2022**, e0243021	8.9	
317	The ArcAB Two-Component System: Function in Metabolism, Redox Control, and Infection.. *Microbiology and Molecular Biology Reviews*, **2022**, e0011021	13.2	0
316	Ferric Citrate Uptake Is a Virulence Factor in Uropathogenic Escherichia coli.. *MBio*, **2022**, e0103522	7.8	1
315	Pathogenesis of Gram-Negative Bacteremia. *Clinical Microbiology Reviews*, **2021**, 34,	34	12
314	A systematic analysis of hypermucoviscosity and capsule reveals distinct and overlapping genes that impact Klebsiella pneumoniae fitness. *PLoS Pathogens*, **2021**, 17, e1009376	7.6	17
313	Replication Dynamics for Six Gram-Negative Bacterial Species during Bloodstream Infection. *MBio*, **2021**, 12, e0111421	7.8	1
312	Loss of an Intimin-Like Protein Encoded on a Uropathogenic Pathogenicity Island Reduces Inflammation and Affects Interactions with the Urothelium. *Infection and Immunity*, **2021**, IAI0027521	3.7	0
311	Escherichia coli CFT073 Fitness Factors during Urinary Tract Infection: Identification Using an Ordered Transposon Library. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	11
310	Optimization of an Experimental Vaccine To Prevent Escherichia coli Urinary Tract Infection. *MBio*, **2020**, 11,	7.8	15
309	The Serratia marcescens Siderophore Serratiochelin Is Necessary for Full Virulence during Bloodstream Infection. *Infection and Immunity*, **2020**, 88,	3.7	4
308	Transposon Insertion Site Sequencing of Providencia stuartii: Essential Genes, Fitness Factors for Catheter-Associated Urinary Tract Infection, and the Impact of Polymicrobial Infection on Fitness Requirements. *MSphere*, **2020**, 5,	5	5
307	The oxidative fumarase FumC is a key contributor for E. coli fitness under iron-limitation and during UTI. *PLoS Pathogens*, **2020**, 16, e1008382	7.6	9
306	Dietary L-serine confers a competitive fitness advantage to Enterobacteriaceae in the inflamed gut. *Nature Microbiology*, **2020**, 5, 116-125	26.6	39
305	The UDP-GalNAcA biosynthesis genes gna-gne2 are required to maintain cell envelope integrity and in vivo fitness in multi-drug resistant Acinetobacter baumannii. *Molecular Microbiology*, **2020**, 113, 153-172	4.1	4
304	The Gene Expression Profile of Uropathogenic Escherichia coli in Women with Uncomplicated Urinary Tract Infections Is Recapitulated in the Mouse Model. *MBio*, **2020**, 11,	7.8	12
303	MrpH, a new class of metal-binding adhesin, requires zinc to mediate biofilm formation. *PLoS Pathogens*, **2020**, 16, e1008707	7.6	5

302	The oxidative fumarase FumC is a key contributor for E. coli fitness under iron-limitation and during UTI **2020**, 16, e1008382		
301	The oxidative fumarase FumC is a key contributor for E. coli fitness under iron-limitation and during UTI **2020**, 16, e1008382		
300	The oxidative fumarase FumC is a key contributor for E. coli fitness under iron-limitation and during UTI **2020**, 16, e1008382		
299	The oxidative fumarase FumC is a key contributor for E. coli fitness under iron-limitation and during UTI **2020**, 16, e1008382		
298	The Klebsiella pneumoniae citrate synthase gene, gltA, influences site specific fitness during infection. *PLoS Pathogens*, **2019**, 15, e1008010	7.6	10
297	Flexible Metabolism and Suppression of Latent Enzymes Are Important for Adaptation to Diverse Environments within the Host. *Journal of Bacteriology*, **2019**, 201,	3.5	6
296	Twin arginine translocation, ammonia incorporation, and polyamine biosynthesis are crucial for Proteus mirabilis fitness during bloodstream infection. *PLoS Pathogens*, **2019**, 15, e1007653	7.6	19
295	Sulfur Assimilation Alters Flagellar Function and Modulates the Gene Expression Landscape of Serratia marcescens. *MSystems*, **2019**, 4,	7.6	5
294	Proteus mirabilis Overview. *Methods in Molecular Biology*, **2019**, 2021, 1-4	1.4	1
293	Using Hemagglutination, Surface Shearing, and Acid Treatment to Study Fimbriae in Proteus mirabilis. *Methods in Molecular Biology*, **2019**, 2021, 109-120	1.4	3
292	Transposon Insertion Site Sequencing in a Urinary Tract Model. *Methods in Molecular Biology*, **2019**, 2021, 297-337	1.4	0
291	Siderophore Detection Using Chrome Azurol S and Cross-Feeding Assays. *Methods in Molecular Biology*, **2019**, 2021, 97-108	1.4	7
290	UTI patients have pre-existing antigen-specific antibody titers against UTI vaccine antigens. *Vaccine*, **2019**, 37, 4937-4946	4.1	4
289	Genetically diverse uropathogenic adopt a common transcriptional program in patients with UTIs. *ELife*, **2019**, 8,	8.9	24
288	Vaccination to Protect Against Proteus mirabilis Challenge Utilizing the Ascending Model of Urinary Tract Infection. *Methods in Molecular Biology*, **2019**, 2021, 201-215	1.4	
287	Identification of Novel Plasmid Replicons Harboring β-Lactamase Resistant Genes in Ampicillin-Resistant Uropathogenic Escherichia coli. *SOJ Microbiology & Infectious Diseases*, **2019**, 7, 1-8	0.5	4
286	Insertional Mutagenesis Protocol for Constructing Single or Sequential Mutations. *Methods in Molecular Biology*, **2019**, 2021, 61-76	1.4	2
285	Rapid Growth of Uropathogenic during Human Urinary Tract Infection. *MBio*, **2018**, 9,	7.8	48

284	Pathogenesis of Infection. *EcoSal Plus*, **2018**, 8,	7.7	101
283	Evaluation of CpxRA as a Therapeutic Target for Uropathogenic Escherichia coli Infections. *Infection and Immunity*, **2018**, 86,	3.7	15
282	Citrobacter freundii fitness during bloodstream infection. *Scientific Reports*, **2018**, 8, 11792	4.9	23
281	MrpJ Directly Regulates Proteus mirabilis Virulence Factors, Including Fimbriae and Type VI Secretion, during Urinary Tract Infection. *Infection and Immunity*, **2018**, 86,	3.7	4
280	Urine Cytokine and Chemokine Levels Predict Urinary Tract Infection Severity Independent of Uropathogen, Urine Bacterial Burden, Host Genetics, and Host Age. *Infection and Immunity*, **2018**, 86,	3.7	10
279	The lytic transglycosylase MltB connects membrane homeostasis and in vivo fitness of Acinetobacter baumannii. *Molecular Microbiology*, **2018**, 109, 745-762	4.1	22
278	Role of Ethanolamine Utilization Genes in Host Colonization during Urinary Tract Infection. *Infection and Immunity*, **2018**, 86,	3.7	12
277	CpaA Is a Glycan-Specific Adamalysin-like Protease Secreted by Acinetobacter baumannii That Inactivates Coagulation Factor XII. *MBio*, **2018**, 9,	7.8	19
276	Cross Talk between MarR-Like Transcription Factors Coordinates the Regulation of Motility in Uropathogenic Escherichia coli. *Infection and Immunity*, **2018**, 86,	3.7	6
275	TosR-Mediated Regulation of Adhesins and Biofilm Formation in Uropathogenic Escherichia coli. *MSphere*, **2018**, 3,	5	11
274	The Pathogenic Potential of Proteus mirabilis Is Enhanced by Other Uropathogens during Polymicrobial Urinary Tract Infection. *Infection and Immunity*, **2017**, 85,	3.7	51
273	Capsule Production and Glucose Metabolism Dictate Fitness during Bacteremia. *MBio*, **2017**, 8,	7.8	39
272	Cysteine Biosynthesis Controls Serratia marcescens Phospholipase Activity. *Journal of Bacteriology*, **2017**, 199,	3.5	11
271	Genome-wide transposon mutagenesis of Proteus mirabilis: Essential genes, fitness factors for catheter-associated urinary tract infection, and the impact of polymicrobial infection on fitness requirements. *PLoS Pathogens*, **2017**, 13, e1006434	7.6	59
270	TnseqDiff: identification of conditionally essential genes in transposon sequencing studies. *BMC Bioinformatics*, **2017**, 18, 326	3.6	23
269	Discovery of nicoyamycin A, an inhibitor of uropathogenic Escherichia coli growth in low iron environments. *Chemical Communications*, **2017**, 53, 12778-12781	5.8	3
268	How Often Do Clinically Diagnosed Catheter-Associated Urinary Tract Infections in Nursing Homes Meet Standardized Criteria?. *Journal of the American Geriatrics Society*, **2017**, 65, 395-401	5.6	34
267	Targeting the Type II Secretion System: Development, Optimization, and Validation of a High-Throughput Screen for the Identification of Small Molecule Inhibitors. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 380	5.9	24

266	Distinct Signature of Oxylipid Mediators of Inflammation during Infection and Asymptomatic Colonization by in the Urinary Bladder. *Mediators of Inflammation*, **2017**, 2017, 4207928	4.3	4
265	Subtle variation within conserved effector operon gene products contributes to T6SS-mediated killing and immunity. *PLoS Pathogens*, **2017**, 13, e1006729	7.6	13
264	Virulence and Fitness Determinants of Uropathogenic Escherichia coli **2016**, 235-261		4
263	The Versatile Type VI Secretion System **2016**, 337-356		4
262	Siderophore vaccine conjugates protect against uropathogenic Escherichia coli urinary tract infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13468-13473	11.5	54
261	Regulation of Expression of Uropathogenic Escherichia coli Nonfimbrial Adhesin TosA by PapB Homolog TosR in Conjunction with H-NS and Lrp. *Infection and Immunity*, **2016**, 84, 811-21	3.7	14
260	Acinetobacter baumannii Genes Required for Bacterial Survival during Bloodstream Infection. *MSphere*, **2016**, 1,	5	48
259	Measuring Escherichia coli Gene Expression during Human Urinary Tract Infections. *Pathogens*, **2016**, 5,	4.5	21
258	The Versatile Type VI Secretion System. *Microbiology Spectrum*, **2016**, 4,	8.9	52
257	Genome-Wide Identification of Klebsiella pneumoniae Fitness Genes during Lung Infection. *MBio*, **2015**, 6, e00775	7.8	109
256	Preferential use of central metabolism in vivo reveals a nutritional basis for polymicrobial infection. *PLoS Pathogens*, **2015**, 11, e1004601	7.6	63
255	Distinct Commensals Induce Interleukin-1 via NLRP3 Inflammasome in Inflammatory Monocytes to Promote Intestinal Inflammation in Response to Injury. *Immunity*, **2015**, 42, 744-55	32.3	192
254	Blocking yersiniabactin import attenuates extraintestinal pathogenic Escherichia coli in cystitis and pyelonephritis and represents a novel target to prevent urinary tract infection. *Infection and Immunity*, **2015**, 83, 1443-50	3.7	38
253	Host Characteristics and Bacterial Traits Predict Experimental Virulence for Escherichia coli Bloodstream Isolates From Patients With Urosepsis. *Open Forum Infectious Diseases*, **2015**, 2, ofv083	1	58
252	Acinetobacter baumannii Is Dependent on the Type II Secretion System and Its Substrate LipA for Lipid Utilization and In Vivo Fitness. *Journal of Bacteriology*, **2015**, 198, 711-9	3.5	43
251	Virulence and Fitness Determinants of Uropathogenic Escherichia coli. *Microbiology Spectrum*, **2015**, 3,	8.9	107
250	Redefining Virulence of Bacterial Pathogens. *Microbe Magazine*, **2015**, 10, 239-246		4
249	Metabolism and Fitness of Urinary Tract Pathogens **2015**, 215-230		1

248	Metabolism and Fitness of Urinary Tract Pathogens. *Microbiology Spectrum*, **2015**, 3,	8.9	38
247	Signature-tagged mutagenesis and co-infection studies demonstrate the importance of P fimbriae in a murine model of urinary tract infection. *Pathogens and Disease*, **2015**, 73,	4.2	14
246	Back to the metal age: battle for metals at the host-pathogen interface during urinary tract infection. *Metallomics*, **2015**, 7, 935-42	4.5	50
245	Development of a Vaccine against Escherichia coli Urinary Tract Infections. *Pathogens*, **2015**, 5,	4.5	46
244	Increased incidence of urolithiasis and bacteremia during Proteus mirabilis and Providencia stuartii coinfection due to synergistic induction of urease activity. *Journal of Infectious Diseases*, **2014**, 209, 1524-32	7	55
243	One Hundred Years of Discovery and Rediscovery of Helicobacter pylori and Its Association with Peptic Ulcer Disease **2014**, 19-24		14
242	Regulation of Urease for Acid Habitation **2014**, 277-283		5
241	Structure and Function of Mucosal Surfaces **2014**, 1-16		2
240	Microaerobic Physiology: Aerobic Respiration, Anaerobic Respiration, and Carbon Dioxide Metabolism **2014**, 111-124		15
239	Nitrogen Metabolism **2014**, 125-133		3
238	Polymicrobial Bacteriuria: Biofilm Formation on Foreign Bodies and Colonization of the Urinary Tract **2014**, 409-429		
237	Evasion of the Toxic Effects of Oxygen **2014**, 167-175		7
236	Taxonomy of the Helicobacter Genus **2014**, 39-51		9
235	Lipocalin 2 imparts selective pressure on bacterial growth in the bladder and is elevated in women with urinary tract infection. *Journal of Immunology*, **2014**, 193, 6081-9	5.3	39
234	A conserved PapB family member, TosR, regulates expression of the uropathogenic Escherichia coli RTX nonfimbrial adhesin TosA while conserved LuxR family members TosE and TosF suppress motility. *Infection and Immunity*, **2014**, 82, 3644-56	3.7	8
233	SslE elicits functional antibodies that impair in vitro mucinase activity and in vivo colonization by both intestinal and extraintestinal Escherichia coli strains. *PLoS Pathogens*, **2014**, 10, e1004124	7.6	48
232	Inhibitors of TonB function identified by a high-throughput screen for inhibitors of iron acquisition in uropathogenic Escherichia coli CFT073. *MBio*, **2014**, 5, e01089-13	7.8	34
231	Host-specific induction of Escherichia coli fitness genes during human urinary tract infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 18327-32	11.5	136

230	Arginine promotes Proteus mirabilis motility and fitness by contributing to conservation of the proton gradient and proton motive force. *MicrobiologyOpen*, **2014**, 3, 630-41	3.4	14
229	PafR, a novel transcription regulator, is important for pathogenesis in uropathogenic Escherichia coli. *Infection and Immunity*, **2014**, 82, 4241-52	3.7	9
228	Draft genome sequences of five recent human uropathogenic Escherichia coli isolates. *Pathogens and Disease*, **2013**, 69, 66-70	4.2	13
227	Multicellular bacteria deploy the type VI secretion system to preemptively strike neighboring cells. *PLoS Pathogens*, **2013**, 9, e1003608	7.6	83
226	A phyletically rare gene promotes the niche-specific fitness of an E. coli pathogen during bacteremia. *PLoS Pathogens*, **2013**, 9, e1003175	7.6	17
225	Genome-wide detection of fitness genes in uropathogenic Escherichia coli during systemic infection. *PLoS Pathogens*, **2013**, 9, e1003788	7.6	94
224	Initiation of swarming motility by Proteus mirabilis occurs in response to specific cues present in urine and requires excess L-glutamine. *Journal of Bacteriology*, **2013**, 195, 1305-19	3.5	35
223	The multifunctional protein YdiV represses P fimbria-mediated adherence in uropathogenic Escherichia coli. *Journal of Bacteriology*, **2013**, 195, 3156-64	3.5	14
222	Immunization with the yersiniabactin receptor, FyuA, protects against pyelonephritis in a murine model of urinary tract infection. *Infection and Immunity*, **2013**, 81, 3309-16	3.7	81
221	Uropathogenic Escherichia coli **2013**, 275-304		7
220	Escherichia coli physiology and metabolism dictates adaptation to diverse host microenvironments. *Current Opinion in Microbiology*, **2012**, 15, 3-9	7.9	86
219	Merging mythology and morphology: the multifaceted lifestyle of Proteus mirabilis. *Nature Reviews Microbiology*, **2012**, 10, 743-54	22.2	168
218	Preventing urinary tract infection: progress toward an effective Escherichia coli vaccine. *Expert Review of Vaccines*, **2012**, 11, 663-76	5.2	129
217	Escherichia coli isolates that carry vat, fyuA, chuA, and yfcV efficiently colonize the urinary tract. *Infection and Immunity*, **2012**, 80, 4115-22	3.7	115
216	FdeC, a novel broadly conserved Escherichia coli adhesin eliciting protection against urinary tract infections. *MBio*, **2012**, 3,	7.8	74
215	Anaerobic respiration using a complete oxidative TCA cycle drives multicellular swarming in Proteus mirabilis. *MBio*, **2012**, 3,	7.8	26
214	The repeat-in-toxin family member TosA mediates adherence of uropathogenic Escherichia coli and survival during bacteremia. *Infection and Immunity*, **2012**, 80, 493-505	3.7	40
213	Kinetics of uropathogenic Escherichia coli metapopulation movement during urinary tract infection. *MBio*, **2012**, 3,	7.8	28

212	Involvement of mismatch repair in the reciprocal control of motility and adherence of uropathogenic Escherichia coli. *Infection and Immunity*, **2012**, 80, 1969-79	3.7	16
211	Enzymatically active and inactive phosphodiesterases and diguanylate cyclases are involved in regulation of Motility or sessility in Escherichia coli CFT073. *MBio*, **2012**, 3,	7.8	41
210	A novel approach for transcription factor analysis using SELEX with high-throughput sequencing (TFAST). *PLoS ONE*, **2012**, 7, e42761	3.7	14
209	The broadly conserved regulator PhoP links pathogen virulence and membrane potential in Escherichia coli. *Molecular Microbiology*, **2011**, 82, 145-63	4.1	61
208	Transcriptome of Proteus mirabilis in the murine urinary tract: virulence and nitrogen assimilation gene expression. *Infection and Immunity*, **2011**, 79, 2619-31	3.7	57
207	Redundancy and specificity of Escherichia coli iron acquisition systems during urinary tract infection. *Infection and Immunity*, **2011**, 79, 1225-35	3.7	162
206	Presence of putative repeat-in-toxin gene tosA in Escherichia coli predicts successful colonization of the urinary tract. *MBio*, **2011**, 2, e00066-11	7.8	44
205	Identification of in vivo-induced antigens including an RTX family exoprotein required for uropathogenic Escherichia coli virulence. *Infection and Immunity*, **2011**, 79, 2335-44	3.7	39
204	Genomic characterization of asymptomatic Escherichia coli isolated from the neobladder. *Microbiology (United Kingdom)*, **2011**, 157, 1088-1102	2.9	9
203	Wounds, functional disability, and indwelling devices are associated with cocolonization by methicillin-resistant Staphylococcus aureus and vancomycin-resistant enterococci in southeast Michigan. *Clinical Infectious Diseases*, **2011**, 53, 1215-22	11.6	12
202	Self-transmissibility of the integrative and conjugative element ICEPm1 between clinical isolates requires a functional integrase, relaxase, and type IV secretion system. *Journal of Bacteriology*, **2011**, 193, 4104-12	3.5	22
201	A unique arabinose 5-phosphate isomerase found within a genomic island associated with the uropathogenicity of Escherichia coli CFT073. *Journal of Bacteriology*, **2011**, 193, 2981-8	3.5	8
200	Fimbrial profiles predict virulence of uropathogenic Escherichia coli strains: contribution of ygi and yad fimbriae. *Infection and Immunity*, **2011**, 79, 4753-63	3.7	107
199	Determination of target sequence bound by PapX, repressor of bacterial motility, in flhD promoter using systematic evolution of ligands by exponential enrichment (SELEX) and high throughput sequencing. *Journal of Biological Chemistry*, **2011**, 286, 44726-38	5.4	26
198	Proteobactin and a yersiniabactin-related siderophore mediate iron acquisition in Proteus mirabilis. *Molecular Microbiology*, **2010**, 78, 138-57	4.1	41
197	Transcriptome of swarming Proteus mirabilis. *Infection and Immunity*, **2010**, 78, 2834-45	3.7	67
196	The innate immune response to uropathogenic Escherichia coli involves IL-17A in a murine model of urinary tract infection. *Journal of Immunology*, **2010**, 184, 2065-75	5.3	91
195	Adhesion, invasion, and agglutination mediated by two trimeric autotransporters in the human uropathogen Proteus mirabilis. *Infection and Immunity*, **2010**, 78, 4882-94	3.7	38

194	Vaxign: the first web-based vaccine design program for reverse vaccinology and applications for vaccine development. *Journal of Biomedicine and Biotechnology*, **2010**, 2010, 297505		181
193	Zinc uptake contributes to motility and provides a competitive advantage to Proteus mirabilis during experimental urinary tract infection. *Infection and Immunity*, **2010**, 78, 2823-33	3.7	48
192	Bacterial proteomics and identification of potential vaccine targets. *Expert Review of Proteomics*, **2010**, 7, 181-4	4.2	12
191	Escherichia coli global gene expression in urine from women with urinary tract infection. *PLoS Pathogens*, **2010**, 6, e1001187	7.6	160
190	Dissemination and systemic colonization of uropathogenic Escherichia coli in a murine model of bacteremia. *MBio*, **2010**, 1,	7.8	63
189	Waging war against uropathogenic Escherichia coli: winning back the urinary tract. *Infection and Immunity*, **2010**, 78, 568-85	3.7	157
188	Host-pathogen interactions in urinary tract infection. *Nature Reviews Urology*, **2010**, 7, 430-41	5.5	292
187	Uropathogenic Escherichia coli Suppresses the host inflammatory response via pathogenicity island genes sisA and sisB. *Infection and Immunity*, **2009**, 77, 5322-33	3.7	35
186	Vaccination with proteus toxic agglutinin, a hemolysin-independent cytotoxin in vivo, protects against Proteus mirabilis urinary tract infection. *Infection and Immunity*, **2009**, 77, 632-41	3.7	44
185	Identification of a modular pathogenicity island that is widespread among urease-producing uropathogens and shares features with a diverse group of mobile elements. *Infection and Immunity*, **2009**, 77, 4887-94	3.7	29
184	Genomic islands of uropathogenic Escherichia coli contribute to virulence. *Journal of Bacteriology*, **2009**, 191, 3469-81	3.5	102
183	Quantitative Profile of the Uropathogenic Escherichia coli Outer Membrane Proteome during Growth in Human Urine. *Infection and Immunity*, **2009**, 77, 1272-1272	3.7	1
182	Oxygen-limiting conditions enrich for fimbriate cells of uropathogenic Proteus mirabilis and Escherichia coli. *Journal of Bacteriology*, **2009**, 191, 1382-92	3.5	37
181	Mucosal immunization with iron receptor antigens protects against urinary tract infection. *PLoS Pathogens*, **2009**, 5, e1000586	7.6	127
180	Fitness of Escherichia coli during urinary tract infection requires gluconeogenesis and the TCA cycle. *PLoS Pathogens*, **2009**, 5, e1000448	7.6	195
179	Role of the K2 capsule in Escherichia coli urinary tract infection and serum resistance. *Journal of Infectious Diseases*, **2009**, 199, 1689-97	7	65
178	Haem acquisition is facilitated by a novel receptor Hma and required by uropathogenic Escherichia coli for kidney infection. *Molecular Microbiology*, **2009**, 71, 79-91	4.1	96
177	An "omics" approach to uropathogenic Escherichia coli vaccinology. *Trends in Microbiology*, **2009**, 17, 431-2	12.4	13

176	Identification of uropathogenic Escherichia coli surface proteins by shotgun proteomics. *Journal of Microbiological Methods*, **2009**, 78, 131-5	2.8	55
175	Uropathogenic Escherichia coli. *EcoSal Plus*, **2009**, 3,	7.7	22
174	A novel autotransporter of uropathogenic Proteus mirabilis is both a cytotoxin and an agglutinin. *Molecular Microbiology*, **2008**, 68, 997-1017	4.1	55
173	Repression of motility during fimbrial expression: identification of 14 mrpJ gene paralogues in Proteus mirabilis. *Molecular Microbiology*, **2008**, 69, 548-58	4.1	39
172	Outer membrane antigens of the uropathogen Proteus mirabilis recognized by the humoral response during experimental murine urinary tract infection. *Infection and Immunity*, **2008**, 76, 4222-31	3.7	28
171	Complicated catheter-associated urinary tract infections due to Escherichia coli and Proteus mirabilis. *Clinical Microbiology Reviews*, **2008**, 21, 26-59	34	514
170	Multiple genes repress motility in uropathogenic Escherichia coli constitutively expressing type 1 fimbriae. *Journal of Bacteriology*, **2008**, 190, 3747-56	3.5	49
169	Complete genome sequence of uropathogenic Proteus mirabilis, a master of both adherence and motility. *Journal of Bacteriology*, **2008**, 190, 4027-37	3.5	180
168	PapX, a P fimbrial operon-encoded inhibitor of motility in uropathogenic Escherichia coli. *Infection and Immunity*, **2008**, 76, 4833-41	3.7	52
167	Identification of virulence determinants in uropathogenic Proteus mirabilis using signature-tagged mutagenesis. *Journal of Medical Microbiology*, **2008**, 57, 1068-1078	3.2	42
166	The high-affinity phosphate transporter Pst is a virulence factor for Proteus mirabilis during complicated urinary tract infection. *FEMS Immunology and Medical Microbiology*, **2008**, 52, 180-93		28
165	Expression of flagella is coincident with uropathogenic Escherichia coli ascension to the upper urinary tract. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16669-74	11.5	277
164	complex interplay between type 1 fimbrial expression and flagellum-mediated motility of uropathogenic Escherichia coli. *Journal of Bacteriology*, **2007**, 189, 5523-33	3.5	81
163	Quantitative profile of the uropathogenic Escherichia coli outer membrane proteome during growth in human urine. *Infection and Immunity*, **2007**, 75, 2679-88	3.7	63
162	Quantitative Profile of the Uropathogenic Escherichia coli Outer Membrane Proteome during Growth in Human Urine. *Infection and Immunity*, **2007**, 75, 2679-2688	3.7	105
161	Defining genomic islands and uropathogen-specific genes in uropathogenic Escherichia coli. *Journal of Bacteriology*, **2007**, 189, 3532-46	3.5	175
160	Role of P-fimbrial-mediated adherence in pyelonephritis and persistence of uropathogenic Escherichia coli (UPEC) in the mammalian kidney. *Kidney International*, **2007**, 72, 19-25	9.9	165
159	The type III secretion system of Proteus mirabilis HI4320 does not contribute to virulence in the mouse model of ascending urinary tract infection. *Journal of Medical Microbiology*, **2007**, 56, 1277-1283	3.2	39

158	Uropathogenic Escherichia coli outer membrane antigens expressed during urinary tract infection. *Infection and Immunity*, **2007**, 75, 3941-9	3.7	122
157	Protease activity, secretion, cell entry, cytotoxicity, and cellular targets of secreted autotransporter toxin of uropathogenic Escherichia coli. *Infection and Immunity*, **2006**, 74, 6124-34	3.7	47
156	Nutritional requirements and antibiotic resistance patterns of Helicobacter species in chemically defined media. *Journal of Clinical Microbiology*, **2006**, 44, 1650-8	9.7	59
155	Role of phase variation of type 1 fimbriae in a uropathogenic Escherichia coli cystitis isolate during urinary tract infection. *Infection and Immunity*, **2006**, 74, 1387-93	3.7	60
154	Helicobacter pylori HP1512 is a nickel-responsive NikR-regulated outer membrane protein. *Infection and Immunity*, **2006**, 74, 6811-20	3.7	41
153	Uropathogenic Escherichia coli strains generally lack functional Trg and Tap chemoreceptors found in the majority of E. coli strains strictly residing in the gut. *Journal of Bacteriology*, **2006**, 188, 5618-25	3.5	17
152	How do antibiotics kill bacterial cells but not human cells?. *Scientific American*, **2006**, 294, 98	0.5	1
151	Contribution of dppA to urease activity in Helicobacter pylori 26695. *Helicobacter*, **2005**, 10, 416-23	4.9	18
150	Coordinate expression of fimbriae in uropathogenic Escherichia coli. *Infection and Immunity*, **2005**, 73, 7588-96	3.7	106
149	The IrgA homologue adhesin Iha is an Escherichia coli virulence factor in murine urinary tract infection. *Infection and Immunity*, **2005**, 73, 965-71	3.7	93
148	Role of motility in the colonization of uropathogenic Escherichia coli in the urinary tract. *Infection and Immunity*, **2005**, 73, 7644-56	3.7	168
147	Autotransporter genes pic and tsh are associated with Escherichia coli strains that cause acute pyelonephritis and are expressed during urinary tract infection. *Infection and Immunity*, **2004**, 72, 593-7	3.7	88
146	Development of an intranasal vaccine to prevent urinary tract infection by Proteus mirabilis. *Infection and Immunity*, **2004**, 72, 66-75	3.7	58
145	Use of translational fusion of the MrpH fimbrial adhesin-binding domain with the cholera toxin A2 domain, coexpressed with the cholera toxin B subunit, as an intranasal vaccine to prevent experimental urinary tract infection by Proteus mirabilis. *Infection and Immunity*, **2004**, 72, 7306-10	3.7	30
144	Proteus mirabilis genes that contribute to pathogenesis of urinary tract infection: identification of 25 signature-tagged mutants attenuated at least 100-fold. *Infection and Immunity*, **2004**, 72, 2922-38	3.7	146
143	Transcriptome of uropathogenic Escherichia coli during urinary tract infection. *Infection and Immunity*, **2004**, 72, 6373-81	3.7	302
142	Pathogenic Escherichia coli. *Nature Reviews Microbiology*, **2004**, 2, 123-40	22.2	3006
141	Mannose-resistant Proteus-like fimbriae are produced by most Proteus mirabilis strains infecting the urinary tract, dictate the in vivo localization of bacteria, and contribute to biofilm formation. *Infection and Immunity*, **2004**, 72, 7294-305	3.7	62

140	Visualization of Proteus mirabilis morphotypes in the urinary tract: the elongated swarmer cell is rarely observed in ascending urinary tract infection. *Infection and Immunity*, **2003**, 71, 3607-13	3.7	59
139	UreR, the transcriptional activator of the Proteus mirabilis urease gene cluster, is required for urease activity and virulence in experimental urinary tract infections. *Infection and Immunity*, **2003**, 71, 1026-30	3.7	28
138	Differential regulation of the Proteus mirabilis urease gene cluster by UreR and H-NS. *Microbiology (United Kingdom)*, **2003**, 149, 3383-3394	2.9	30
137	Uropathogenic Escherichia coli **2002**, 239-268		5
136	Identification of MrpI as the sole recombinase that regulates the phase variation of MR/P fimbria, a bladder colonization factor of uropathogenic Proteus mirabilis. *Molecular Microbiology*, **2002**, 45, 865-74	4.1	58
135	Urease of enterohemorrhagic Escherichia coli: evidence for regulation by fur and a trans-acting factor. *Infection and Immunity*, **2002**, 70, 1027-31	3.7	30
134	In vivo behavior of a Helicobacter pylori SS1 nixA mutant with reduced urease activity. *Infection and Immunity*, **2002**, 70, 685-91	3.7	60
133	Extensive mosaic structure revealed by the complete genome sequence of uropathogenic Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 17020-4	11.5	1175
132	Visualization of Proteus mirabilis within the matrix of urease-induced bladder stones during experimental urinary tract infection. *Infection and Immunity*, **2002**, 70, 389-94	3.7	68
131	Assessment of virulence of uropathogenic Escherichia coli type 1 fimbrial mutants in which the invertible element is phase-locked on or off. *Infection and Immunity*, **2002**, 70, 3344-54	3.7	98
130	Vaccines for Proteus mirabilis in urinary tract infection. *International Journal of Antimicrobial Agents* , **2002**, 19, 461-5	14.3	31
129	Sat, the secreted autotransporter toxin of uropathogenic Escherichia coli, is a vacuolating cytotoxin for bladder and kidney epithelial cells. *Infection and Immunity*, **2002**, 70, 4539-46	3.7	140
128	The Helicobacter pylori flbA flagellar biosynthesis and regulatory gene is required for motility and virulence and modulates urease of H. pylori and Proteus mirabilis. *Journal of Medical Microbiology*, **2002**, 51, 958-970	3.2	30
127	Bacterial Genetic Exchange **2001**,		1
126	Repression of bacterial motility by a novel fimbrial gene product. *EMBO Journal*, **2001**, 20, 4854-62	13	75
125	Helicobacter pylori growth and urease detection in the chemically defined medium HamŠ F-12 nutrient mixture. *Journal of Clinical Microbiology*, **2001**, 39, 3842-50	9.7	74
124	Helicobacter pylori arginase inhibits nitric oxide production by eukaryotic cells: a strategy for bacterial survival. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 13844-9	11.5	306
123	Cloning, expression, and catalytic activity of Helicobacter hepaticus urease. *Infection and Immunity*, **2001**, 69, 5914-20	3.7	35

122	Interaction of Proteus mirabilis urease apoenzyme and accessory proteins identified with yeast two-hybrid technology. *Journal of Bacteriology*, **2001**, 183, 1423-33	3.5	34
121	In vivo dynamics of type 1 fimbria regulation in uropathogenic Escherichia coli during experimental urinary tract infection. *Infection and Immunity*, **2001**, 69, 2838-46	3.7	89
120	Identification of the domains of UreR, an AraC-like transcriptional regulator of the urease gene cluster in Proteus mirabilis. *Journal of Bacteriology*, **2001**, 183, 4526-35	3.5	28
119	Pathogenesis of Helicobacter pylori infection. *Current Opinion in Gastroenterology*, **2000**, 16, 24-31	3	32
118	Identification of sat, an autotransporter toxin produced by uropathogenic Escherichia coli. *Molecular Microbiology*, **2000**, 38, 53-66	4.1	158
117	Pathogenesis of Proteus mirabilis urinary tract infection. *Microbes and Infection*, **2000**, 2, 1497-505	9.3	116
116	pH-dependent protein profiles of Helicobacter pylori analyzed by two-dimensional gels. *Helicobacter*, **2000**, 5, 240-7	4.9	35
115	H-NS is a repressor of the Proteus mirabilis urease transcriptional activator gene ureR. *Journal of Bacteriology*, **2000**, 182, 2649-53	3.5	20
114	Membrane topology of the NixA nickel transporter of Helicobacter pylori: two nickel transport-specific motifs within transmembrane helices II and III. *Journal of Bacteriology*, **2000**, 182, 1722-30	3.5	53
113	UreI-mediated urea transport in Helicobacter pylori: an open and shut case?. *Trends in Microbiology*, **2000**, 8, 346-8	12.4	2
112	Helicobacter pylori cadA encodes an essential Cd(II)-Zn(II)-Co(II) resistance factor influencing urease activity. *Molecular Microbiology*, **1999**, 33, 524-36	4.1	41
111	Role of Hpn and NixA of Helicobacter pylori in susceptibility and resistance to bismuth and other metal ions. *Helicobacter*, **1999**, 4, 162-9	4.9	57
110	Serum immunoglobulin response and protection from homologous challenge by Proteus mirabilis in a mouse model of ascending urinary tract infection. *Infection and Immunity*, **1999**, 67, 6683-7	3.7	10
109	Requirement of MrpH for mannose-resistant Proteus-like fimbria-mediated hemagglutination by Proteus mirabilis. *Infection and Immunity*, **1999**, 67, 2822-33	3.7	51
108	Helicobacter pylori rocF is required for arginase activity and acid protection in vitro but is not essential for colonization of mice or for urease activity. *Journal of Bacteriology*, **1999**, 181, 7314-22	3.5	98
107	Isolation of Helicobacter pylori genes that modulate urease activity. *Journal of Bacteriology*, **1999**, 181, 2477-84	3.5	63
106	Identification of protease and rpoN-associated genes of uropathogenic Proteus mirabilis by negative selection in a mouse model of ascending urinary tract infection. *Microbiology (United Kingdom)*, **1999**, 145 (Pt 1), 185-195	2.9	58
105	Culture shock. *Trends in Microbiology*, **1998**, 6, 416-417	12.4	

104	Proteus, Infection and Immunity **1998**, 2039-2042		
103	Conserved residues and motifs in the NixA protein of Helicobacter pylori are critical for the high affinity transport of nickel ions. *Journal of Biological Chemistry*, **1998**, 273, 235-41	5.4	67
102	Use of green fluorescent protein to assess urease gene expression by uropathogenic Proteus mirabilis during experimental ascending urinary tract infection. *Infection and Immunity*, **1998**, 66, 330-5	3.7	25
101	Helicobacter pylori containing only cytoplasmic urease is susceptible to acid. *Infection and Immunity* , **1998**, 66, 5060-6	3.7	57
100	MrpB functions as the terminator for assembly of Proteus mirabilis mannose-resistant Proteus-like fimbriae. *Infection and Immunity*, **1998**, 66, 1759-63	3.7	12
99	Helicobacter pylori glutamine synthetase lacks features associated with transcriptional and posttranslational regulation. *Infection and Immunity*, **1998**, 66, 1839-47	3.7	27
98	In vivo phase variation of Escherichia coli type 1 fimbrial genes in women with urinary tract infection. *Infection and Immunity*, **1998**, 66, 3303-10	3.7	96
97	Genomic analysis of a pathogenicity island in uropathogenic Escherichia coli CFT073: distribution of homologous sequences among isolates from patients with pyelonephritis, cystitis, and Catheter-associated bacteriuria and from fecal samples. *Infection and Immunity*, **1998**, 66, 4411-7	3.7	109
96	Development of a PCR-restriction fragment length polymorphism assay using the nucleotide sequence of the Helicobacter hepaticus urease structural genes ureAB. *Journal of Clinical Microbiology*, **1998**, 36, 2447-53	9.7	18
95	Synthesis and activity of Helicobacter pylori urease and catalase at low pH. *Gut*, **1997**, 40, 25-30	19.2	170
94	Helicobacter pylori factors associated with disease development. *Gastroenterology*, **1997**, 113, S21-8	13.3	67
93	Helicobacter pylori ABC transporter: effect of allelic exchange mutagenesis on urease activity. *Journal of Bacteriology*, **1997**, 179, 5892-902	3.5	64
92	In vivo phase variation of MR/P fimbrial gene expression in Proteus mirabilis infecting the urinary tract. *Molecular Microbiology*, **1997**, 23, 1009-19	4.1	72
91	Helicobacter pylori nickel-transport gene nixA: synthesis of catalytically active urease in Escherichia coli independent of growth conditions. *Molecular Microbiology*, **1995**, 16, 97-109	4.1	151
90	Cytolethality of hemolytic Escherichia coli to primary human renal proximal tubular cell cultures obtained from different donors. *Urology*, **1995**, 45, 706-10	1.6	11
89	In vitro adhesion of bacteria to exfoliated uroepithelial cells: criteria for quantitative analysis. *Methods in Enzymology*, **1995**, 253, 360-7	1.7	4
88	Swarming and pathogenicity of Proteus mirabilis in the urinary tract. *Trends in Microbiology*, **1995**, 3, 280-4	12.4	148
87	Proteus mirabilis urease: operon fusion and linker insertion analysis of ure gene organization, regulation, and function. *Journal of Bacteriology*, **1995**, 177, 5653-60	3.5	40

86	Proteus mirabilis amino acid deaminase: cloning, nucleotide sequence, and characterization of aad. *Journal of Bacteriology*, **1995**, 177, 5878-83	3.5	57
85	Genetic organization and complete sequence of the Proteus mirabilis pmf fimbrial operon. *Gene*, **1994**, 150, 101-4	3.8	25
84	Binding to and killing of human renal epithelial cells by hemolytic P-fimbriated E. coli. *Kidney International*, **1994**, 46, 1083-91	9.9	41
83	Single-step purification of Proteus mirabilis urease accessory protein UreE, a protein with a naturally occurring histidine tail, by nickel chelate affinity chromatography. *Journal of Bacteriology*, **1994**, 176, 6836-41	3.5	34
82	Proteus mirabilis MR/P fimbrial operon: genetic organization, nucleotide sequence, and conditions for expression. *Journal of Bacteriology*, **1994**, 176, 3412-9	3.5	67
81	Sequence of the Proteus mirabilis urease accessory gene ureG. *Gene*, **1993**, 129, 103-6	3.8	23
80	Proteus mirabilis urease: transcriptional regulation by UreR. *Journal of Bacteriology*, **1993**, 175, 465-73	3.5	60
79	Proteus mirabilis MR/P fimbriae: molecular cloning, expression, and nucleotide sequence of the major fimbrial subunit gene. *Journal of Bacteriology*, **1993**, 175, 457-64	3.5	36
78	Isogenic P-fimbrial deletion mutants of pyelonephritogenic Escherichia coli: the role of alpha Gal(1-4) beta Gal binding in virulence of a wild-type strain. *Molecular Microbiology*, **1993**, 10, 143-55	4.1	151
77	Helicobacter pylori Urease: Properties and Role in Pathogenesis. *Scandinavian Journal of Gastroenterology*, **1991**, 26, 39-46	2.4	95
76	Ecological economics. *Science*, **1991**, 254, 358	33.3	2
75	Response : Elvis Impersonator?. *Science*, **1991**, 254, 358-358	33.3	
74	Morganella morganii urease: purification, characterization, and isolation of gene sequences. *Journal of Bacteriology*, **1990**, 172, 3073-80	3.5	36
73	Hemagglutinin, urease, and hemolysin production by Proteus mirabilis from clinical sources. *Journal of Infectious Diseases*, **1990**, 161, 525-30	7	79
72	Development of a human stomach explant organ culture system to study the pathogenesis of Helicobacter pylori. *Digestion*, **1990**, 46, 46-54	3.6	8
71	The use of a DNA probe for epidemiological studies of candidiasis in immunocompromised hosts. *Journal of Infectious Diseases*, **1989**, 159, 488-94	7	83
70	Proteus mirabilis urease: nucleotide sequence determination and comparison with jack bean urease. *Journal of Bacteriology*, **1989**, 171, 6414-22	3.5	120
69	MR/K hemagglutination of Providencia stuartii correlates with adherence to catheters and with persistence in catheter-associated bacteriuria. *Journal of Infectious Diseases*, **1988**, 157, 264-71	7	69

68	Purification, characterization, and genetic organization of recombinant Providencia stuartii urease expressed by Escherichia coli. *Journal of Bacteriology*, **1988**, 170, 2202-7	3.5	44
67	Proteus mirabilis urease: genetic organization, regulation, and expression of structural genes. *Journal of Bacteriology*, **1988**, 170, 3342-9	3.5	97
66	Emergence of resistance to imipenem in Pseudomonas aeruginosa. *Antimicrobial Agents and Chemotherapy*, **1987**, 31, 1892-6	5.9	87
65	Uropathogenicity in rats and mice of Providencia stuartii from long-term catheterized patients. *Journal of Urology*, **1987**, 138, 632-5	2.5	61
64	Plasmid-Encoded Ion Transport Systems **1987**, 305-326		5
63	Ion extrusion systems in bacteria. *Annals of the New York Academy of Sciences*, **1985**, 456, 235-44	6.5	10
62	Homology among arsenate resistance determinants of R factors in Escherichia coli. *Antimicrobial Agents and Chemotherapy*, **1984**, 25, 157-61	5.9	24
61	Cloning and expression of R-factor mediated arsenate resistance in Escherichia coli. *Molecular Genetics and Genomics*, **1983**, 191, 421-6		64
60	Cell wall-polypeptide complexes in Bacillus subtilis. *Carbohydrate Research*, **1983**, 116, 113-125	2.9	15
59	Energetics of plasmid-mediated arsenate resistance in Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **1982**, 79, 6119-22	11.5	132
58	ION-EXTRUSION SYSTEMS IN Escherichia coli. *Annals of the New York Academy of Sciences*, **1982**, 402, 455-456	6.5	1
57	Restricted turnover of the cell wall ofBacillus subtilis. *Current Microbiology*, **1981**, 5, 19-22	2.4	16
56	The coupling of wall growth and chromosome replication in Gram-positive rods. *FEMS Microbiology Letters*, **1981**, 12, 201-208	2.9	43
55	Lipoteichoic acids from d-glucosylation-defective, cell-wall mutants of Bacillus subtilis. *Carbohydrate Research*, **1979**, 73, 203-218	2.9	10
54	Microbiota of Mucosal Surfaces in the Gut of Monogastric Animals161-178		2
53	Interactions of the Commensal Flora with the Human Gastrointestinal Tract179-186		1
52	Quorum Sensing in the Gastrointestinal Tract187-198		1
51	Role of the Mucus Layer in Bacterial Colonization of the Intestine199-212		18

List of Publications

14	Cell Envelope69-80	2
13	Molecular Structure, Biosynthesis, and Pathogenic Roles of Lipopolysaccharides81-95	14
12	Vacuolating Cytotoxin97-110	13
11	A systematic analysis of hypermucoviscosity and capsule reveals distinct and overlapping genes that impact Klebsiella pneumoniae fitness	1
10	Regulation in Response to Environmental Conditions141-159	
9	Genetic Exchange313-319	
8	Gastric Autoimmunity429-440	1
7	Fitness Islands in Uropathogenic Escherichia coli157-179	
6	Alternative Mechanisms of Protein Release227-237	
5	Signal Transduction in the Intestinal Mucosa265-281	
4	Allelic Variation of the FimH Lectin of Escherichia coli Type 1 Fimbriae and Uropathogenesis351-377	
3	Metabolite Transport207-217	
2	Fimbriae, Signaling, and Host Response to Urinary Tract Infection379-394	
1	Mutagenesis335-344	