Bernt Eric Uhlin

List of Publications by Year
in descending order

133	7,323	41344	64796
papers	citations	49 h-index	79 g-index

141	141	141	5684
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vesicle-Mediated Export and Assembly of Pore-Forming Oligomers of the Enterobacterial ClyA Cytotoxin. Cell, 2003, 115, 25-35.	28.9	439
2	Transcriptional silencing and thermoregulation of gene expression in Escherichia coli. Nature, 1990, 344, 682-685.	27.8	338
3	R plasmid gene dosage effects in Escherichia coli K-12: Copy mutants of the R plasmid R1drd-19. Plasmid, 1977, 1, 1-7.	1.4	250
4	Plasmids with temperature-dependent copy number for amplification of cloned genes and their products. Gene, 1979, 6, 91-106.	2.2	184
5	Processed mRNA with differential stability in the regulation of E. coli pilin gene expression. Cell, 1988, 52, 197-206.	28.9	182
6	Proteomic Characterization of the Whole Secretome of Legionella pneumophila and Functional Analysis of Outer Membrane Vesicles. Infection and Immunity, 2008, 76, 1825-1836.	2.2	175
7	Membrane vesicle-mediated release of bacterial RNA. Scientific Reports, 2015, 5, 15329.	3.3	165
8	Outer membrane vesicle-mediated release of cytolethal distending toxin (CDT) from Campylobacter jejuni. BMC Microbiology, 2009, 9, 220.	3.3	159
9	A runaway-replication mutant of plasmid R1drd-19: Temperature-dependent loss of copy number control. Molecular Genetics and Genomics, 1978, 165, 167-179.	2.4	147
10	Microbial biofilm formation: a need to act. Journal of Internal Medicine, 2014, 276, 98-110.	6.0	144
11	Release of the type I secreted alpha-haemolysin via outer membrane vesicles from Escherichia coli. Molecular Microbiology, 2006, 59, 99-112.	2.5	140
12	Transfer RNA modification, temperature and DNA superhelicity have a common target in the regulatory network of the virulence of Shigella flexneri: the expression of the virF gene. Molecular Microbiology, 2000, 35, 924-935.	2.5	139
13	Induction of haemolytic activity in Escherichia coli by the slyA gene product. Molecular Microbiology, 1996, 20, 191-199.	2.5	132
14	Type 1 Fimbriae, a Colonization Factor of Uropathogenic Escherichia coli, Are Controlled by the Metabolic Sensor CRP-cAMP. PLoS Pathogens, 2009, 5, e1000303.	4.7	132
15	Enhanced Biofilm Formation by Escherichia coli LPS Mutants Defective in Hep Biosynthesis. PLoS ONE, 2012, 7, e51241.	2.5	129
16	The gut microbiota prime systemic antiviral immunity via the cGAS-STING-IFN-I axis. Immunity, 2022, 55, 847-861.e10.	14.3	125
17	Molecular analysis of the cytolytic protein ClyA (SheA) from Escherichia coli. Molecular Microbiology, 1999, 32, 1226-1238.	2.5	114
18	Optical tweezers based force measurement system for quantitating binding interactions: system design and application for the study of bacterial adhesion. Biosensors and Bioelectronics, 2004, 19, 1429-1437.	10.1	111

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19	Regulatory cross-talk between adhesin operons in Escherichia coli: inhibition of type 1 fimbriae expression by the PapB protein. EMBO Journal, 2000, 19, 1450-1457.	7.8	110
20	Coordinated and differential expression of histone-like proteins in Escherichia coli: regulation and function of the H-NS analog StpA.. EMBO Journal, 1996, 15, 4970-4980.	7.8	103
21	Pathoadaptive Conditional Regulation of the Type VI Secretion System in Vibrio cholerae O1 Strains. Infection and Immunity, 2012, 80, 575-584.	2.2	100
22	Role of the Vibrio cholerae Matrix Protein Bap1 in Cross-Resistance to Antimicrobial Peptides. PLoS Pathogens, 2013, 9, e1003620.	4.7	99
23	Antirepression function in Escherichia coli for the cAMP-cAMP receptor protein transcriptional activator.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 9880-9884.	7.1	98
24	Characterization of a Pore-Forming Cytotoxin Expressed by Salmonella enterica Serovars Typhi and Paratyphi A. Infection and Immunity, 2002, 70, 5759-5769.	2.2	98
25	Silencing and Activation of ClyA Cytotoxin Expression in Escherichia coli. Journal of Bacteriology, 2000, 182, 6347-6357.	2.2	97
26	Therapist facilitative interpersonal skills and training status: A randomized clinical trial on alliance and outcome. Psychotherapy Research, 2016, 26, 511-529.	1.8	97
27	Role of Histone-Like Proteins H-NS and StpA in Expression of Virulence Determinants of Uropathogenic Escherichia coli. Journal of Bacteriology, 2006, 188, 5428-5438.	2.2	96
28	Nucleoid Proteins Stimulate Stringently Controlled Bacterial Promoters. Cell, 2000, 102, 475-485.	28.9	95
29	Physical Properties of Escherichia coli P Pili Measured by Optical Tweezers. Biophysical Journal, 2004, 87, 4271-4283.	0.5	94
30	Active Cytotoxic Necrotizing Factor 1 Associated with Outer Membrane Vesicles from Uropathogenic Escherichia coli. Infection and Immunity, 2006, 74, 2022-2030.	2.2	90
31	Differential protease-mediated turnover of H-NS and StpA revealed by a mutation altering protein stability and stationary-phase survival of Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10776-10781.	7.1	85
32	Physical mapping of the srl recA region of Escherichia coli: Analysis of Tn10 generated insertions and deletions. Molecular Genetics and Genomics, 1981, 183, 497-504.	2.4	76
33	Cytocidal and Apoptotic Effects of the ClyA Protein from Escherichia coli on Primary and Cultured Monocytes and Macrophages. Infection and Immunity, 2000, 68, 4363-4367.	2.2	74
34	YdgT, the Hha paralogue in Escherichia coli, forms heteromeric complexes with H-NS and StpA. Molecular Microbiology, 2004, 54, 251-263.	2.5	74
35	Heteromeric Interactions among Nucleoid-Associated Bacterial Proteins: Localization of StpA-Stabilizing Regions in H-NS of Escherichia coli. Journal of Bacteriology, 2001, 183, 2343-2347.	2.2	69
36	Evidence for an RNA Binding Region in the Escherichia coli processing Endoribonuclease RNase E. Journal of Biological Chemistry, 1995, 270, 26391-26398.	3.4	66

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37	Dynamic Force Spectroscopy of E. coli P Pili. Biophysical Journal, 2006, 91, 2717-2725.	0.5	65
38	Vesicular stabilization and activity augmentation of enterohaemorrhagic Escherichia coli haemolysin. Molecular Microbiology, 2009, 71, 1496-1508.	2.5	65
39	Outer Membrane Vesicles Mediate Transport of Biologically Active Vibrio cholerae Cytolysin (VCC) from V. cholerae Strains. PLoS ONE, 2014, 9, e106731.	2.5	65
40	PapB paralogues and their effect on the phase variation of type 1 fimbriae in Escherichia coli. Molecular Microbiology, 2001, 42, 319-330.	2.5	64
41	The unfolding of the P pili quaternary structure by stretching is reversible, not plastic. EMBO Reports, 2005, 6, 52-56.	4.5	63
42	Database for the ampC alleles in Acinetobacter baumannii. PLoS ONE, 2017, 12, e0176695.	2.5	63
43	H-NS and StpA Proteins Stimulate Expression of the Maltose Regulon in Escherichia coli. Journal of Bacteriology, 1998, 180, 6117-6125.	2.2	60
44	The Biomechanical Properties of E. coli Pili for Urinary Tract Attachment Reflect the Host Environment. Biophysical Journal, 2007, 93, 3008-3014.	0.5	60
45	A Sticky Chain Model of the Elongation and Unfolding of Escherichia coli P Pili under Stress. Biophysical Journal, 2006, 90, 1521-1534.	0.5	58
46	CRISPR-cas Subtype I-Fb in Acinetobacter baumannii: Evolution and Utilization for Strain Subtyping. PLoS ONE, 2015, 10, e0118205.	2.5	57
47	Novel Aminoglycoside Resistance Transposons and Transposon-Derived Circular Forms Detected in Carbapenem-Resistant Acinetobacter baumannii Clinical Isolates. Antimicrobial Agents and Chemotherapy, 2016, 60, 1801-1818.	3.2	56
48	Effects of the Escherichia coli toxin cytolysin A on mucosal immunostimulation via epithelial Ca2+ signalling and Toll-like receptor 4. Cellular Microbiology, 2005, 7, 779-788.	2.1	55
49	Characterization of Dominantly Negative Mutant ClyA Cytotoxin Proteins in Escherichia coli. Journal of Bacteriology, 2003, 185, 5491-5499.	2.2	52
50	Outer Membrane Vesicle-Mediated Export of Processed PrtV Protease from Vibrio cholerae. PLoS ONE, 2015, 10, e0134098.	2.5	52
51	Discovery of Potent Inhibitors of PapG Adhesins from Uropathogenic Escherichia coli through Synthesis and Evaluation of Galabiose Derivatives. ChemBioChem, 2002, 3, 772.	2.6	47
52	Physical Properties of Biopolymers Assessed by Optical Tweezers: Analysis of Folding and Refolding of Bacterial Pili. ChemPhysChem, 2008, 9, 221-235.	2.1	47
53	Cyclic AMP-Dependent Osmoregulation of crp Gene Expression in Escherichia coli. Journal of Bacteriology, 2006, 188, 5935-5944.	2.2	46
54	Regulatory Interactions among Adhesin Gene Systems of Uropathogenic Escherichia coli. Infection and Immunity, 2008, 76, 771-780.	2.2	46

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55	Flagella-mediated secretion of a novel Vibrio cholerae cytotoxin affecting both vertebrate and invertebrate hosts. Communications Biology, 2018, 1, 59.	4.4	43
56	A Cyclic-di-GMP signalling network regulates biofilm formation and surface associated motility of Acinetobacter baumannii 17978. Scientific Reports, 2020, 10, 1991.	3.3	43
57	Mutations affecting mRNA processing and fimbrial biogenesis in the Escherichia coli pap operon. Journal of Bacteriology, 1996, 178, 683-690.	2.2	42
58	Differential effects and interactions of endogenous and horizontally acquired Hâ€NSâ€like proteins in pathogenic Escherichia coli. Molecular Microbiology, 2010, 75, 280-293.	2.5	41
59	Monitoring Surface Chemical Changes in the Bacterial Cell Wall. Journal of Biological Chemistry, 2011, 286, 12389-12396.	3.4	40
60	New runaway-replication-plasmid cloning vectors and suppression of runaway replication by novobiocin. Gene, 1983, 22, 255-265.	2.2	39
61	A Structural Basis for Sustained Bacterial Adhesion: Biomechanical Properties of CFA/I Pili. Journal of Molecular Biology, 2012, 415, 918-928.	4.2	39
62	Oligomeric interaction of the PapB transcriptional regulator with the upstream activating region of pili adhesin gene promoters in Escherichia coli. Molecular Microbiology, 1998, 30, 513-523.	2.5	36
63	High-cholesterol diet does not alter gut microbiota composition in mice. Nutrition and Metabolism, 2017, 14, 15.	3.0	36
64	Regulation of virulence-associated plasmid genes in enteroinvasive Escherichia coli. Journal of Bacteriology, 1992, 174, 7606-7612.	2.2	35
65	Novel role for a bacterial nucleoid protein in translation of mRNAs with suboptimal ribosome-binding sites. Genes and Development, 2010, 24, 1345-1350.	5.9	35
66	Runawayâ€“Replication Plasmids as Tools to Produce Large Quantities of Proteins from Cloned Genes in Bacteria. Nature Biotechnology, 1992, 10, 661-666.	17.5	34
67	Antimicrobial resistance in the context of the Syrian conflict: Drivers before and after the onset of conflict and key recommendations. International Journal of Infectious Diseases, 2018, 73, 1-6.	3.3	34
68	Analysis of colony phase variation switch in Acinetobacter baumannii clinical isolates. PLoS ONE, 2019, 14, e0210082.	2.5	33
69	In vitro analysis of mRNA processing by RNase E in the pap operon of Escherichia coli. Molecular Microbiology, 1996, 21, 55-68.	2.5	32
70	Transcriptional Analysis of the sfa Determinant Revealing Multiple mRNA Processing Events in the Biogenesis of S Fimbriae in Pathogenic Escherichia coli. Journal of Bacteriology, 2003, 185, 620-629.	2.2	32
71	A multivariate approach to correlate bacterial surface properties to biofilm formation by lipopolysaccharide mutants of Pseudomonas aeruginosa. Colloids and Surfaces B: Biointerfaces, 2015, 127, 182-191.	5.0	32
72	Reversible senescence of human colon cancer cells after blockage of mitosis/cytokinesis caused by the CNF1 cyclomodulin from Escherichia coli. Scientific Reports, 2018, 8, 17780.	3.3	32

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73	Functional and structural homology among regulatory cistrons of pili-adhesin determinants in Escherichia coli. Molecular Genetics and Genomics, 1988, 212, 412-417.	2.4	30
74	Transcriptional analysis and regulation of the sfa determinant coding for S fimbriae of pathogenic Escherichia coli strains. Molecular Genetics and Genomics, 1993, 238-238, 97-105.	2.4	30
75	Comparative analysis of FimB and FimE recombinase activity. Microbiology (United Kingdom), 2007, 153, 4138-4149.	1.8	30
76	Fast uncoiling kinetics of F1C pili expressed by uropathogenic Escherichia coli are revealed on a single pilus level using force-measuring optical tweezers. European Biophysics Journal, 2011, 40, 305-316.	2.2	30
77	Unfolding and refolding properties of S pili on extraintestinal pathogenic Escherichia coli. European Biophysics Journal, 2010, 39, 1105-1115.	2.2	27
78	A summary and appraisal of existing evidence of antimicrobial resistance in the Syrian conflict. International Journal of Infectious Diseases, 2018, 75, 26-33.	3.3	27
79	Guideline for Urine Culture and Biochemical Identification of Bacterial Urinary Pathogens in Low-Resource Settings. Diagnostics, 2020, 10, 832.	2.6	27
80	Naturally Occurring IgG Antibodies Provide Innate Protection against <i>Vibrio cholerae </i>Bacteremia by Recognition of the Outer Membrane Protein U. Journal of Innate Immunity, 2016, 8, 269-283.	3.8	26
81	Expression of cytotoxicity by potential pathogens in the standard Escherichia coli collection of reference (ECOR) strains The GenBank accession numbers for the sequences reported in this paper are AF159702 and AF160993â€“161002.. Microbiology (United Kingdom), 1999, 145, 3295-3303.	1.8	26
82	Analysis of the sfaXII locus in the Escherichia coli meningitis isolate IHE3034 reveals two novel regulatory genes within the promoter-distal region of the main S fimbrial operon. Microbial Pathogenesis, 2009, 46, 150-158.	2.9	25
83	Impairment of the biomechanical compliance of P pili: a novel means of inhibiting uropathogenic bacterial infections?. European Biophysics Journal, 2012, 41, 285-295.	2.2	25
84	Pilicides regulate pili expression in E. coli without affecting the functional properties of the pilus rod. Molecular BioSystems, 2007, 3, 214-218.	2.9	24
85	Vibrio cholerae Utilizes Direct sRNA Regulation in Expression of a Biofilm Matrix Protein. PLoS ONE, 2014, 9, e101280.	2.5	24
86	sRNA-Mediated Regulation of P-Fimbriae Phase Variation in Uropathogenic Escherichia coli. PLoS Pathogens, 2015, 11, e1005109.	4.7	24
87	Structure and function of enterotoxigenic <scp>E</scp>scherichia coli fimbriae from differing assembly pathways. Molecular Microbiology, 2015, 95, 116-126.	2.5	24
88	Alterations in Protein Expression Caused by the hha Mutation in Escherichia coli : Influence of Growth Medium Osmolarity. Journal of Bacteriology, 1999, 181, 3018-3024.	2.2	24
89	The bacteriophage-associated Ehly1 and Ehly2 determinants from Escherichia coli O26:Hâˆ’ strains do not encode enterohemolysins per se but cause release of the ClyA cytolysin. International Journal of Medical Microbiology, 2002, 291, 625-631.	3.6	23
90	Rare Detection of the Acinetobacter Class D Carbapenemase bla _{OXA-23} Gene in Proteus mirabilis. Antimicrobial Agents and Chemotherapy, 2016, 60, 3243-3245.	3.2	21

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91	Enhanced Biofilm Formation and Membrane Vesicle Release by Escherichia coli Expressing a Commonly Occurring Plasmid Gene, kil. Frontiers in Microbiology, 2018, 9, 2605.	3.5	21
92	P-fimbriae in the presence of anti-PapA antibodies: new insight of antibodies action against pathogens. Scientific Reports, 2013, 3, 3393.	3.3	20
93	Molecular epidemiology and antimicrobial resistance features of Acinetobacter baumannii clinical isolates from Pakistan. Annals of Clinical Microbiology and Antimicrobials, 2020, 19, 2.	3.8	20
94	Nucleotide sequence of a recA operator mutation. Molecular Genetics and Genomics, 1982, 185, 251-254.	2.4	19
95	H-NS and StpA Proteins Stimulate Expression of the Maltose Regulon in Escherichia coli. Journal of Bacteriology, 1998, 180, 6117-6125.	2.2	18
96	An apoptotic response by J774 macrophage cells is common upon infection with diarrheagenicEscherichia coli. FEMS Microbiology Letters, 1999, 172, 29-34.	1.8	17
97	The Influence of pH on the Specific Adhesion of P Piliated Escherichia coli. PLoS ONE, 2012, 7, e38548.	2.5	16
98	Regulation and Binding Properties of S Fimbriae Cloned from E. coli Strains Causing Urinary Tract Infection and Meningitis. Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology, 1993, 278, 165-176.	0.5	15
99	The SfaXII protein from newborn meningitis E. coli is involved in regulation of motility and type 1 fimbriae expression. Microbial Pathogenesis, 2009, 46, 243-252.	2.9	15
100	Mutational Analysis of the PapB Transcriptional Regulator inEscherichia coli. Journal of Biological Chemistry, 1999, 274, 19723-19730.	3.4	14
101	Absence of Global Stress Regulation in Escherichia coli Promotes Pathoadaptation and Novel c-di-GMP-dependent Metabolic Capability. Scientific Reports, 2019, 9, 2600.	3.3	14
102	Eco-evolutionary feedbacks mediated by bacterial membrane vesicles. FEMS Microbiology Reviews, 2021, 45, .	8.6	13
103	Suppression of Î²â€catenin signaling in colon carcinoma cells by a bacterial protein. International Journal of Cancer, 2021, 149, 442-459.	5.1	13
104	Antibodies Damage the Resilience of Fimbriae, Causing Them To Be Stiff and Tangled. Journal of Bacteriology, 2017, 199, .	2.2	12
105	A tripartite cytolytic toxin formed by Vibrio cholerae proteins with flagellum-facilitated secretion. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
106	Antibody-mediated disruption of the mechanics of CS20 fimbriae of enterotoxigenic Escherichia coli. Scientific Reports, 2015, 5, 13678.	3.3	11
107	Dynamic properties of bacterial pili measured by optical tweezers. , 2004, 5514, 763.		8
108	Pathogenomics: An updated European Research Agenda. Infection, Genetics and Evolution, 2008, 8, 386-393.	2.3	8

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109	Vibrio cholerae cytotoxin MakA induces noncanonical autophagy resulting in the spatial inhibition of canonical autophagy. Journal of Cell Science, 2021, 134, .	2.0	8
110	Phosphatidic acid-mediated binding and mammalian cell internalization of the Vibrio cholerae cytotoxin MakA. PLoS Pathogens, 2021, 17, e1009414.	4.7	8
111	Force measuring optical tweezers system for long time measurements of P pili stability. , 2006, , .		7
112	Structure of FocB â€“ a member of a family of transcription factors regulating fimbrial adhesin expression in uropathogenic Escherichiaâ€ƒcoli. FEBS Journal, 2010, 277, 3368-3381.	4.7	7
113	CRISPR-based subtyping to track the evolutionary history of a global clone of Acinetobacter baumannii. Infection, Genetics and Evolution, 2021, 90, 104774.	2.3	7
114	Ecotin and LamB in Escherichia coli influence the susceptibility to Type VI secretion-mediated interbacterial competition and killing by Vibrio cholerae. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129912.	2.4	7
115	Elevated recombinant clyA gene expression in the uropathogenic Escherichia coli strain 536, a clue to explain pathoadaptive mutations in a subset of extraintestinal E. coli strains. BMC Microbiology, 2014, 14, 216.	3.3	5
116	Protein-lipid interaction at low pH induces oligomerization of the MakA cytotoxin from Vibrio cholerae. ELife, 2022, 11, .	6.0	5
117	Expression and purification of SfaXII, a protein involved in regulating adhesion and motility genes in extraintestinal pathogenic Escherichia coli. Protein Expression and Purification, 2012, 86, 127-134.	1.3	4
118	OUP accepted manuscript. American Journal of Clinical Pathology, 2021, , .	0.7	4
119	Biofilm Recruitment of Vibrio cholerae by Matrix Proteolysis. Trends in Microbiology, 2015, 23, 667-668.	7.7	3
120	An apoptotic response by J774 macrophage cells is common upon infection with diarrheagenic Escherichia coli. FEMS Microbiology Letters, 1999, 172, 29-34.	1.8	3
121	Polar mutagenesis of polycistronic bacterial transcriptional units using Cas12a. Microbial Cell Factories, 2022, 21, .	4.0	3
122	Exploring the bacterial nano-universe. Current Opinion in Structural Biology, 2020, 64, 166-173.	5.7	2
123	Regulation of E. coli Fimbrial Expression. , 2020, , 171-177.		2
124	Transcriptional Analysis of the Sfa and Pap Determinants of Uropathogenic Escherichia Coli Strains. , 2000, 485, 119-122.		1
125	Structural and Functional Studies of the Fimbrial Adhesin Gene Regulator papB from Uropathogenic Escherichia coli. Advances in Experimental Medicine and Biology, 2002, 485, 123-126.	1.6	1
126	Purification, crystallization and preliminary data analysis of FocB, a transcription factor regulating fimbrial adhesin expression in uropathogenicEscherichia coli. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 337-341.	0.7	1

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127	Differential effects and interactions of endogenous and horizontally acquired Hâ€NSâ€like proteins in pathogenic Escherichia coli. Molecular Microbiology, 2010, 76, 1063-1063.	2.5	1
128	Bacterial Nanotubes for Intimate Sharing. Frontiers in Microbiology, 2011, 2, 108.	3.5	1
129	Control Mechanisms in the Pap-pili System. , 2000, 485, 113-118.		0
130	Optical tweezers for single molecule force spectroscopy on bacterial adhesion organelles. , 2006, , .		0
131	Antibodies Change the Mechanics of Adhesion Fimbriae - a Case Study ofÂCS20 Fimbriae Expressed by Enterotoxigenic Escherichia Coli. Biophysical Journal, 2015, 108, 602a.	0.5	0
132	Adhesion Pili from Enterotoxigenic Escherichia coli Share Similar Biophysical Properties Despite Their Different Assembly Pathways. Microscopy and Microanalysis, 2015, 21, 915-916.	0.4	0
133	Unconventional Cyclic di-GMP Signaling in Escherichia coli. , 2020, , 487-517.		0