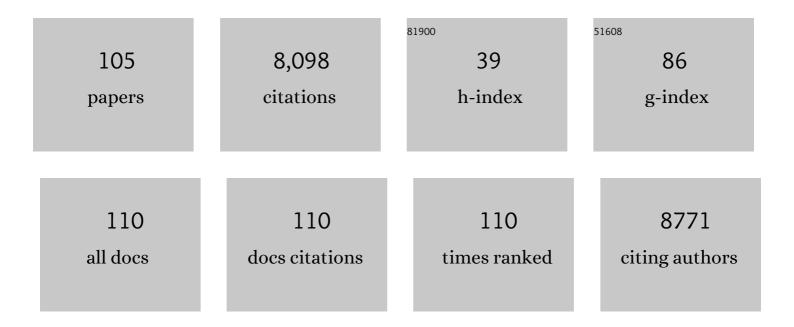
## Ulrich Dobrindt

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Genomic islands in pathogenic and environmental microorganisms. Nature Reviews Microbiology, 2004, 2, 414-424.	28.6	1,062
2	Escherichia coli Induces DNA Double-Strand Breaks in Eukaryotic Cells. Science, 2006, 313, 848-851.	12.6	886
3	Gut inflammation can boost horizontal gene transfer between pathogenic and commensal <i>Enterobacteriaceae</i> . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1269-1274.	7.1	398
4	How to become a uropathogen: Comparative genomic analysis of extraintestinal pathogenic Escherichia coli strains. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12879-12884.	7.1	320
5	Analysis of the Genome Structure of the Nonpathogenic Probiotic <i>Escherichia coli</i> Strain Nissle 1917. Journal of Bacteriology, 2004, 186, 5432-5441.	2.2	315
6	Genetic Structure and Distribution of the Colibactin Genomic Island among Members of the Family <i>Enterobacteriaceae</i> . Infection and Immunity, 2009, 77, 4696-4703.	2.2	273
7	Analysis of Genome Plasticity in Pathogenic and Commensal <i>Escherichia coli</i> Isolates by Use of DNA Arrays. Journal of Bacteriology, 2003, 185, 1831-1840.	2.2	246
8	E. coli as an All-Rounder: The Thin Line Between Commensalism and Pathogenicity. Current Topics in Microbiology and Immunology, 2013, 358, 3-32.	1.1	242
9	What defines extraintestinal pathogenic Escherichia coli?. International Journal of Medical Microbiology, 2011, 301, 642-647.	3.6	236
10	Identification of protective and broadly conserved vaccine antigens from the genome of extraintestinal pathogenic <i>Escherichia coli</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9072-9077.	7.1	222
11	The enemy within us: lessons from the 2011 European <i>Escherichia coli</i> O104:H4 outbreak. EMBO Molecular Medicine, 2012, 4, 841-848.	6.9	215
12	Combined Analysis of Variation in Core, Accessory and Regulatory Genome Regions Provides a Super-Resolution View into the Evolution of Bacterial Populations. PLoS Genetics, 2016, 12, e1006280.	3.5	177
13	Genetic Structure and Distribution of Four Pathogenicity Islands (PAI I 536 to PAI IV 536 ) of Uropathogenic Escherichia coli Strain 536. Infection and Immunity, 2002, 70, 6365-6372.	2.2	171
14	Host Imprints on Bacterial Genomes—Rapid, Divergent Evolution in Individual Patients. PLoS Pathogens, 2010, 6, e1001078.	4.7	130
15	Genotoxicity of Escherichia coli Nissle 1917 strain cannot be dissociated from its probiotic activity. Gut Microbes, 2012, 3, 501-509.	9.8	125
16	Role of pathogenicity island-associated integrases in the genome plasticity of uropathogenic Escherichia coli strain 536. Molecular Microbiology, 2006, 61, 584-595.	2.5	124
17	Characterization of Escherichia coli Isolates from Hospital Inpatients or Outpatients with Urinary Tract Infection. Journal of Clinical Microbiology, 2014, 52, 407-418.	3.9	120
18	S-Fimbria-Encoding Determinant sfal Is Located on Pathogenicity Island III536 of UropathogenicEscherichia coli Strain 536. Infection and Immunity, 2001, 69, 4248-4256.	2.2	119

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19	Instability of Pathogenicity Islands in Uropathogenic Escherichia coli 536. Journal of Bacteriology, 2004, 186, 3086-3096.	2.2	114
20	Virulence factors of uropathogens. Current Opinion in Urology, 2002, 12, 33-38.	1.8	113
21	Molecular Basis of Commensalism in the Urinary Tract: Low Virulence or Virulence Attenuation?. Infection and Immunity, 2008, 76, 695-703.	2.2	110
22	Expression analysis of the colibactin gene cluster coding for a novel polyketide in <i>Escherichia coli</i> . FEMS Microbiology Letters, 2007, 275, 255-262.	1.8	86
23	No evidence for a bovine mastitis Escherichia coli pathotype. BMC Genomics, 2017, 18, 359.	2.8	85
24	Genomic aberrations after short-term exposure to colibactin-producing E. coli transform primary colon epithelial cells. Nature Communications, 2021, 12, 1003.	12.8	84
25	Boronic Acid Functionalized Photosensitizers: A Strategy To Target the Surface of Bacteria and Implement Active Agents in Polymer Coatings. Angewandte Chemie - International Edition, 2017, 56, 10362-10366.	13.8	83
26	Demonstration of regulatory cross-talk between P fimbriae and type 1 fimbriae in uropathogenic Escherichia coli. Microbiology (United Kingdom), 2006, 152, 1143-1153.	1.8	76
27	Excision of the high-pathogenicity island of Yersinia pseudotuberculosis requires the combined actions of its cognate integrase and Hef, a new recombination directionality factor. Molecular Microbiology, 2004, 52, 1337-1348.	2.5	75
28	Boronic Acid Functionalized Photosensitizers: A Strategy To Target the Surface of Bacteria and Implement Active Agents in Polymer Coatings. Angewandte Chemie, 2017, 129, 10498-10502.	2.0	73
29	Genome dynamics and its impact on evolution of Escherichia coli. Medical Microbiology and Immunology, 2010, 199, 145-154.	4.8	72
30	Bacterial control of host gene expression through RNA polymerase II. Journal of Clinical Investigation, 2013, 123, 2366-2379.	8.2	71
31	Pathogen Specific, IRF3-Dependent Signaling and Innate Resistance to Human Kidney Infection. PLoS Pathogens, 2010, 6, e1001109.	4.7	68
32	Comparison of Asymptomatic Bacteriuria Escherichia coli Isolates from Healthy Individuals versus Those from Hospital Patients Shows that Long-Term Bladder Colonization Selects for Attenuated Virulence Phenotypes. Infection and Immunity, 2012, 80, 668-678.	2.2	68
33	The Pathogenicity Island-Associated K15 Capsule Determinant Exhibits a Novel Genetic Structure and Correlates with Virulence in Uropathogenic Escherichia coli Strain 536. Infection and Immunity, 2004, 72, 5993-6001.	2.2	67
34	In Vivo Consumption of Cranberry Exerts ex Vivo Antiadhesive Activity against <i>FimH</i> -Dominated Uropathogenic <i>Escherichia coli</i> : A Combined in Vivo, ex Vivo, and in Vitro Study of an Extract from <i>Vaccinium macrocarpon</i> . Journal of Agricultural and Food Chemistry, 2015, 63, 8804-8818.	5.2	60
35	The Food Contaminant Deoxynivalenol Exacerbates the Genotoxicity of Gut Microbiota. MBio, 2017, 8, .	4.1	60
36	Genomic Avenue to Avian Colisepticemia. MBio, 2015, 6, .	4.1	59

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#	Article	IF	CITATIONS
37	Iron Homeostasis Regulates the Genotoxicity of Escherichia coli That Produces Colibactin. Infection and Immunity, 2016, 84, 3358-3368.	2.2	57
38	The insect antimicrobial peptide cecropin A disrupts uropathogenic Escherichia coli biofilms. Npj Biofilms and Microbiomes, 2020, 6, 6.	6.4	56
39	Heteropathogenic virulence and phylogeny reveal phased pathogenic metamorphosis in <i>Escherichia coli</i> O2:H6. EMBO Molecular Medicine, 2014, 6, 347-357.	6.9	49
40	Acute Escherichia coli Prostatitis in Previously Health Young Men: Bacterial Virulence Factors, Antimicrobial Resistance, and Clinical Outcomes. Urology, 2011, 77, 1420-1425.	1.0	47
41	Both α-haemolysin determinants contribute to full virulence of uropathogenic Escherichia coli strain 536. Microbes and Infection, 2006, 8, 2006-2012.	1.9	40
42	Epigenetic Mechanisms Regulate Innate Immunity against Uropathogenic and Commensal-Like Escherichia coli in the Surrogate Insect Model Galleria mellonella. Infection and Immunity, 2017, 85, .	2.2	40
43	Rare Emergence of Symptoms during Long-Term Asymptomatic Escherichia coli 83972 Carriage without an Altered Virulence Factor Repertoire. Journal of Urology, 2014, 191, 519-528.	0.4	39
44	Genes on a Wire: The Nucleoid-Associated Protein HU Insulates Transcription Units in Escherichia coli. Scientific Reports, 2016, 6, 31512.	3.3	39
45	Impact of O-glycosylation on the molecular and cellular adhesion properties of the Escherichia coli autotransporter protein Ag43. International Journal of Medical Microbiology, 2009, 299, 389-401.	3.6	35
46	Targeting virulence traits: potential strategies to combat extraintestinal pathogenic E. coli infections. Current Opinion in Microbiology, 2008, 11, 409-413.	5.1	33
47	Whole-Genome Draft Sequences of Six Commensal Fecal and Six Mastitis-Associated <i>Escherichia coli</i> Strains of Bovine Origin. Genome Announcements, 2016, 4, .	0.8	31
48	Origin and Evolution of Hybrid Shiga Toxin-Producing and Uropathogenic Escherichia coli Strains of Sequence Type 141. Journal of Clinical Microbiology, 2019, 58, .	3.9	31
49	Influence of Cranberry Extract on Tamm-Horsfall Protein in Human Urine and its Antiadhesive Activity Against Uropathogenic Escherichia coli. Planta Medica, 2019, 85, 126-138.	1.3	31
50	Mobilisation and remobilisation of a large archetypal pathogenicity island of uropathogenic Escherichia coli in vitrosupport the role of conjugation for horizontal transfer of genomic islands. BMC Microbiology, 2011, 11, 210.	3.3	28
51	A bacterial protease depletes c-MYC and increases survival in mouse models of bladder and colon cancer. Nature Biotechnology, 2021, 39, 754-764.	17.5	27
52	Mat fimbriae promote biofilm formation by meningitis-associated Escherichia coli. Microbiology (United Kingdom), 2010, 156, 2408-2417.	1.8	26
53	Characterization of Urinary Tract Infection-Associated Shiga Toxin-Producing Escherichia coli. Infection and Immunity, 2014, 82, 4631-4642.	2.2	26
54	Complete Genome Sequences of Escherichia coli Strains 1303 and ECC-1470 Isolated from Bovine Mastitis. Genome Announcements, 2015, 3, .	0.8	26

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55	Asymtomatic Bacteriuria as a Model to Study the Coevolution of Hosts and Bacteria. Pathogens, 2016, 5, 21.	2.8	25
56	Pathogenicity Islands and Their Role in Bacterial Virulence and Survival. , 2004, 12, 234-254.		24
57	Oâ€acetyltransferase gene <i>neuO</i> is segregated according to phylogenetic background and contributes to environmental desiccation resistance in <i>Escherichia coli</i> K1. Environmental Microbiology, 2009, 11, 3154-3165.	3.8	24
58	Characterization of Asymptomatic Bacteriuria Escherichia coli Isolates in Search of Alternative Strains for Efficient Bacterial Interference against Uropathogens. Frontiers in Microbiology, 2018, 9, 214.	3.5	24
59	Oligosaccharides increase the genotoxic effect of colibactin produced by pks+ Escherichia coli strains. BMC Cancer, 2021, 21, 172.	2.6	24
60	Breaching the wall: morphological control of efficacy of phthalocyanine-based photoantimicrobials. Journal of Materials Chemistry B, 2018, 6, 4630-4637.	5.8	22
61	Antiadhesive natural products against uropathogenic E. coli: What can we learn from cranberry extract?. Journal of Ethnopharmacology, 2020, 257, 112889.	4.1	22
62	Prevalence and persistence of Escherichia coli in the airways of cystic fibrosis patients—An unrecognized CF pathogen?. International Journal of Medical Microbiology, 2014, 304, 415-421.	3.6	21
63	A recently isolated human commensal <i>Escherichia coli</i> ST10 clone member mediates enhanced thermotolerance and tetrathionate respiration on a P1 phageâ€derived IncY plasmid. Molecular Microbiology, 2021, 115, 255-271.	2.5	21
64	Transcriptional and Translational Inhibitors Block SOS Response and Shiga Toxin Expression in Enterohemorrhagic Escherichia coli. Scientific Reports, 2019, 9, 18777.	3.3	20
65	Prevalence of autotransporters in Escherichia coli: what is the impact of phylogeny and pathotype?. International Journal of Medical Microbiology, 2014, 304, 243-256.	3.6	19
66	Bacterial Suppression of RNA Polymerase II-Dependent Host Gene Expression. Pathogens, 2016, 5, 49.	2.8	19
67	ClbR Is the Key Transcriptional Activator of Colibactin Gene Expression in Escherichia coli. MSphere, 2020, 5, .	2.9	19
68	MicroRNAs regulate innate immunity against uropathogenic and commensal-like Escherichia coli infections in the surrogate insect model Galleria mellonella. Scientific Reports, 2020, 10, 2570.	3.3	18
69	The primary transcriptome of the Escherichia coli O104:H4 pAA plasmid and novel insights into its virulence gene expression and regulation. Scientific Reports, 2016, 6, 35307.	3.3	17
70	Fimbriae reprogram host gene expression – Divergent effects of P and type 1 fimbriae. PLoS Pathogens, 2019, 15, e1007671.	4.7	17
71	Facile Fabrication of Silicon(IV)Phthalocyanine-Embedded Poly(vinyl alcohol)-Based Antibacterial and Antifouling Interfaces. ACS Applied Bio Materials, 2020, 3, 3751-3760.	4.6	15
72	Ï€â€Extended Donor–Acceptor Porphyrins and Metalloporphyrins for Antimicrobial Photodynamic Inactivation. Chemistry - A European Journal, 2020, 26, 8262-8266.	3.3	15

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#	Article	IF	CITATIONS
73	Long-term survival of the Shiga toxin-producing Escherichia coli O104:H4 outbreak strain on fenugreek seeds. Food Microbiology, 2016, 59, 190-195.	4.2	14
74	Gaining Access to Bacteria through (Reversible) Control of Lipophilicity. Chemistry - A European Journal, 2018, 24, 1178-1186.	3.3	14
75	PapG subtype-specific binding characteristics of Escherichia coli towards globo-series glycosphingolipids of human kidney and bladder uroepithelial cells. Glycobiology, 2019, 29, 789-802.	2.5	14
76	Sub-Inhibitory concentrations of SOS-Response inducing antibiotics stimulate integrase expression and excision of pathogenicity islands in uropathogenic Escherichia coli strain 536. International Journal of Medical Microbiology, 2020, 310, 151361.	3.6	14
77	Determining and unravelling origins of reduced photoinactivation efficacy of bacteria in milk. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111554.	3.8	13
78	Phenotypic and Genotypic Characterization of Escherichia coli Causing Urinary Tract Infections in Kidney-Transplanted Patients. Journal of Clinical Medicine, 2019, 8, 988.	2.4	13
79	Insights into evolution and coexistence of the colibactin- and yersiniabactin secondary metabolite determinants in enterobacterial populations. Microbial Genomics, 2021, 7, .	2.0	13
80	Orthosipon stamineus extract exerts inhibition of bacterial adhesion and chaperon-usher system of uropathogenic Escherichia coli—a transcriptomic study. Applied Microbiology and Biotechnology, 2019, 103, 8571-8584.	3.6	12
81	Exploring the Impact of Coordination-Driven Self Assembly on the Antibacterial Activity of Low-Symmetry Phthalocyanines. ACS Applied Bio Materials, 2020, 3, 400-411.	4.6	12
82	Meningeal lymphatic endothelial cells fulfill scavenger endothelial cell function and cooperate with microglia in waste removal from the brain. Glia, 2022, 70, 35-49.	4.9	11
83	Whole-Genome Draft Sequences of Nine Asymptomatic Escherichia coli Bacteriuria Isolates from Diabetic Patients. Genome Announcements, 2018, 6, .	0.8	10
84	Male kidney allograft recipients at risk for urinary tract infection?. PLoS ONE, 2017, 12, e0188262.	2.5	10
85	The Superior Adherence Phenotype of E. coli O104:H4 is Directly Mediated by the Aggregative Adherence Fimbriae Type I. Virulence, 2021, 12, 346-359.	4.4	9
86	Two Polyketides Intertwined in Complex Regulation: Posttranscriptional CsrA-Mediated Control of Colibactin and Yersiniabactin Synthesis in Escherichia coli. MBio, 2022, 13, e0381421.	4.1	9
87	The aggregate-forming pili (AFP) mediates the aggregative adherence of a hybrid-pathogenic <i>Escherichia coli</i> (UPEC/EAEC) isolated from a urinary tract infection. Virulence, 2021, 12, 3073-3093.	4.4	9
88	Comparative phenotypic characterization of hybrid Shiga toxin-producing / uropathogenic Escherichia coli, canonical uropathogenic and Shiga toxin-producing Escherichia coli. International Journal of Medical Microbiology, 2021, 311, 151533.	3.6	8
89	The emerging role of epigenetic mechanisms in insect defense against pathogens. Current Opinion in Insect Science, 2022, 49, 8-14.	4.4	8
90	ldentification of Novel Biomarkers for Priority Serotypes of Shiga Toxin-Producing Escherichia coli and the Development of Multiplex PCR for Their Detection. Frontiers in Microbiology, 2018, 9, 1321.	3.5	7

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91	Metabolomics Study on Pathogenic and Non-pathogenic E. coli with Closely Related Genomes with a Focus on Yersiniabactin and Its Known and Novel Derivatives. Metabolites, 2020, 10, 221.	2.9	7
92	Active bacterial modification of the host environment through RNA polymerase II inhibition. Journal of Clinical Investigation, 2021, 131, .	8.2	7
93	Human mesenchymal stem cells: New sojourn of bacterial pathogens. International Journal of Medical Microbiology, 2015, 305, 322-326.	3.6	6
94	IHF stabilizes pathogenicity island I of uropathogenic Escherichia coli strain 536 by attenuating integrase I promoter activity. Scientific Reports, 2020, 10, 9397.	3.3	6
95	Variability in growth responses of non-O157 EHEC isolates in leafy vegetables, sprouted seeds and soil extracts occurs at the isolate level. FEMS Microbiology Letters, 2020, 367, .	1.8	6
96	Compared with Cotrimoxazole Nitroxoline Seems to Be a Better Option for the Treatment and Prophylaxis of Urinary Tract Infections Caused by Multidrug-Resistant Uropathogens: An In Vitro Study. Antibiotics, 2021, 10, 645.	3.7	6
97	Umbelliferone Decorated Waterâ€soluble Zinc(II) Phthalocyanines – <i>In Vitro</i> Phototoxic Antimicrobial Antiâ€cancer Agents. Chemistry - A European Journal, 2021, 27, 14672-14680.	3.3	6
98	Pertussis Toxin Exploits Host Cell Signaling Pathways Induced by Meningitis-Causing E. coli K1-RS218 and Enhances Adherence of Monocytic THP-1 Cells to Human Cerebral Endothelial Cells. Toxins, 2016, 8, 291.	3.4	3
99	Effect of chlorine on cultivability of Shiga toxin producing Escherichia coli (STEC) and β-lactamase genes carrying E. coli and Pseudomonas aeruginosa. International Journal of Medical Microbiology, 2018, 308, 1105-1112.	3.6	3
100	Core elements of the vegetative replication control of the Inc1 plasmid pO104_90 of Escherichia coli O104:H4 also regulate its transfer frequency. International Journal of Medical Microbiology, 2018, 308, 962-968.	3.6	3
101	A Simple Biosensor-Based Assay for Quantitative Autoinducer-2 Analysis. ACS Synthetic Biology, 2022, 11, 747-759.	3.8	3
102	Differential effects and interactions of endogenous and horizontally acquired Hâ€NSâ€like proteins in pathogenic <i>Escherichia coli</i> . Molecular Microbiology, 2010, 76, 1063-1063.	2.5	1
103	Collateral effects of deletion of nlpD on rpoS and rpoS-dependent genes. Reply Journal of Clinical Investigation, 2021, 131, .	8.2	1
104	Impact of Genome Plasticity on Adaptation of Escherichia coli during Urinary Bladder Colonization. , 0, , 1-15.		0
105	Genome Sequence of the Fish Brain Bacterium Clostridium tarantellae. Microbiology Resource Announcements, 2020, 9, .	0.6	0