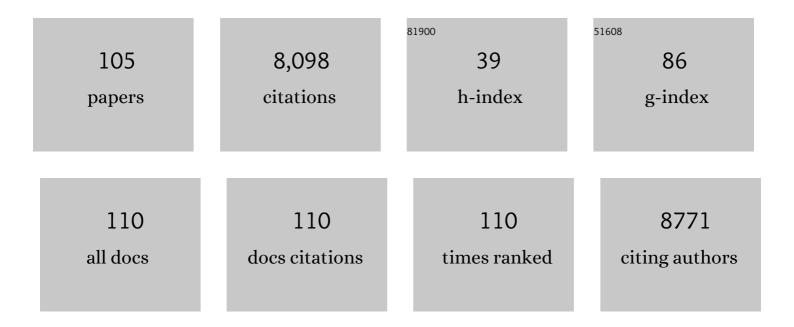
Ulrich Dobrindt

List of Publications by Year in descending order

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HIDICH DORDINDT

| # | 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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| 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 |