

Ulrich Dobrindt

List of Publications by Citations

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103
papers

5,939
citations

34
h-index

76
g-index

110
ext. papers

7,267
ext. citations

6.4
avg, IF

5.52
L-index

#	Paper	IF	Citations
103	Genomic islands in pathogenic and environmental microorganisms. <i>Nature Reviews Microbiology</i> , 2004 , 2, 414-24	22.2	820
102	Escherichia coli induces DNA double-strand breaks in eukaryotic cells. <i>Science</i> , 2006 , 313, 848-51	33.3	661
101	How to become a uropathogen: comparative genomic analysis of extraintestinal pathogenic Escherichia coli strains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 12879-84	11.5	286
100	Gut inflammation can boost horizontal gene transfer between pathogenic and commensal Enterobacteriaceae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1269-74	11.5	277
99	Analysis of the genome structure of the nonpathogenic probiotic Escherichia coli strain Nissle 1917. <i>Journal of Bacteriology</i> , 2004 , 186, 5432-41	3.5	266
98	Analysis of genome plasticity in pathogenic and commensal Escherichia coli isolates by use of DNA arrays. <i>Journal of Bacteriology</i> , 2003 , 185, 1831-40	3.5	218
97	Identification of protective and broadly conserved vaccine antigens from the genome of extraintestinal pathogenic Escherichia coli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9072-7	11.5	197
96	Genetic structure and distribution of the colibactin genomic island among members of the family Enterobacteriaceae. <i>Infection and Immunity</i> , 2009 , 77, 4696-703	3.7	196
95	The enemy within us: lessons from the 2011 European Escherichia coli O104:H4 outbreak. <i>EMBO Molecular Medicine</i> , 2012 , 4, 841-8	12	180
94	What defines extraintestinal pathogenic Escherichia coli?. <i>International Journal of Medical Microbiology</i> , 2011 , 301, 642-7	3.7	169
93	Genetic structure and distribution of four pathogenicity islands (PAI I(536) to PAI IV(536)) of uropathogenic Escherichia coli strain 536. <i>Infection and Immunity</i> , 2002 , 70, 6365-72	3.7	160
92	E. coli as an all-rounder: the thin line between commensalism and pathogenicity. <i>Current Topics in Microbiology and Immunology</i> , 2013 , 358, 3-32	3.3	153
91	Combined Analysis of Variation in Core, Accessory and Regulatory Genome Regions Provides a Super-Resolution View into the Evolution of Bacterial Populations. <i>PLoS Genetics</i> , 2016 , 12, e1006280	6	117
90	Host imprints on bacterial genomes—rapid, divergent evolution in individual patients. <i>PLoS Pathogens</i> , 2010 , 6, e1001078	7.6	106
89	Instability of pathogenicity islands in uropathogenic Escherichia coli 536. <i>Journal of Bacteriology</i> , 2004 , 186, 3086-96	3.5	106
88	Role of pathogenicity island-associated integrases in the genome plasticity of uropathogenic Escherichia coli strain 536. <i>Molecular Microbiology</i> , 2006 , 61, 584-95	4.1	104
87	S-Fimbria-encoding determinant sfa(I) is located on pathogenicity island III(536) of uropathogenic Escherichia coli strain 536. <i>Infection and Immunity</i> , 2001 , 69, 4248-56	3.7	98

86	Genotoxicity of Escherichia coli Nissle 1917 strain cannot be dissociated from its probiotic activity. <i>Gut Microbes</i> , 2012 , 3, 501-9	8.8	95
85	Molecular basis of commensalism in the urinary tract: low virulence or virulence attenuation?. <i>Infection and Immunity</i> , 2008 , 76, 695-703	3.7	91
84	Characterization of Escherichia coli isolates from hospital inpatients or outpatients with urinary tract infection. <i>Journal of Clinical Microbiology</i> , 2014 , 52, 407-18	9.7	89
83	Virulence factors of uropathogens. <i>Current Opinion in Urology</i> , 2002 , 12, 33-8	2.8	86
82	Excision of the high-pathogenicity island of Yersinia pseudotuberculosis requires the combined actions of its cognate integrase and Hef, a new recombination directionality factor. <i>Molecular Microbiology</i> , 2004 , 52, 1337-48	4.1	70
81	Expression analysis of the colibactin gene cluster coding for a novel polyketide in Escherichia coli. <i>FEMS Microbiology Letters</i> , 2007 , 275, 255-62	2.9	69
80	Demonstration of regulatory cross-talk between P fimbriae and type 1 fimbriae in uropathogenic Escherichia coli. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 1143-1153	2.9	67
79	Pathogen specific, IRF3-dependent signaling and innate resistance to human kidney infection. <i>PLoS Pathogens</i> , 2010 , 6, e1001109	7.6	55
78	Boronic Acid Functionalized Photosensitizers: A Strategy To Target the Surface of Bacteria and Implement Active Agents in Polymer Coatings. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10362-10366	16.4	54
77	Genome dynamics and its impact on evolution of Escherichia coli. <i>Medical Microbiology and Immunology</i> , 2010 , 199, 145-54	4	54
76	The pathogenicity island-associated K15 capsule determinant exhibits a novel genetic structure and correlates with virulence in uropathogenic Escherichia coli strain 536. <i>Infection and Immunity</i> , 2004 , 72, 5993-6001	3.7	54
75	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. <i>Infection and Immunity</i> , 2012 , 80, 668-78	3.7	49
74	Bacterial control of host gene expression through RNA polymerase II. <i>Journal of Clinical Investigation</i> , 2013 , 123, 2366-79	15.9	49
73	The Food Contaminant Deoxynivalenol Exacerbates the Genotoxicity of Gut Microbiota. <i>MBio</i> , 2017 , 8,	7.8	47
72	In Vivo Consumption of Cranberry Exerts ex Vivo Antiadhesive Activity against FimH-Dominated Uropathogenic Escherichia coli: A Combined in Vivo, ex Vivo, and in Vitro Study of an Extract from Vaccinium macrocarpon. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 8804-18	5.7	40
71	Genomic avenue to avian colisepticemia. <i>MBio</i> , 2015 , 6,	7.8	39
70	Heteropathogenic virulence and phylogeny reveal phased pathogenic metamorphosis in Escherichia coli O2:H6. <i>EMBO Molecular Medicine</i> , 2014 , 6, 347-57	12	39
69	Acute Escherichia coli prostatitis in previously health young men: bacterial virulence factors, antimicrobial resistance, and clinical outcomes. <i>Urology</i> , 2011 , 77, 1420-5	1.6	34

68	Both alpha-haemolysin determinants contribute to full virulence of uropathogenic <i>Escherichia coli</i> strain 536. <i>Microbes and Infection</i> , 2006 , 8, 2006-12	9.3	34
67	Impact of O-glycosylation on the molecular and cellular adhesion properties of the <i>Escherichia coli</i> autotransporter protein Ag43. <i>International Journal of Medical Microbiology</i> , 2009 , 299, 389-401	3.7	32
66	Genomic aberrations after short-term exposure to colibactin-producing <i>E. coli</i> transform primary colon epithelial cells. <i>Nature Communications</i> , 2021 , 12, 1003	17.4	29
65	Targeting virulence traits: potential strategies to combat extraintestinal pathogenic <i>E. coli</i> infections. <i>Current Opinion in Microbiology</i> , 2008 , 11, 409-13	7.9	27
64	Epigenetic Mechanisms Regulate Innate Immunity against Uropathogenic and Commensal-Like <i>Escherichia coli</i> in the Surrogate Insect Model <i>Galleria mellonella</i> . <i>Infection and Immunity</i> , 2017 , 85,	3.7	27
63	Rare emergence of symptoms during long-term asymptomatic <i>Escherichia coli</i> 83972 carriage without an altered virulence factor repertoire. <i>Journal of Urology</i> , 2014 , 191, 519-28	2.5	26
62	No evidence for a bovine mastitis <i>Escherichia coli</i> pathotype. <i>BMC Genomics</i> , 2017 , 18, 359	4.5	26
61	The insect antimicrobial peptide cecropin A disrupts uropathogenic <i>Escherichia coli</i> biofilms. <i>Npj Biofilms and Microbiomes</i> , 2020 , 6, 6	8.2	24
60	Genes on a Wire: The Nucleoid-Associated Protein HU Insulates Transcription Units in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2016 , 6, 31512	4.9	24
59	Iron Homeostasis Regulates the Genotoxicity of <i>Escherichia coli</i> That Produces Colibactin. <i>Infection and Immunity</i> , 2016 , 84, 3358-3368	3.7	23
58	Boronic Acid Functionalized Photosensitizers: A Strategy To Target the Surface of Bacteria and Implement Active Agents in Polymer Coatings. <i>Angewandte Chemie</i> , 2017 , 129, 10498-10502	3.6	21
57	Mobilisation and remobilisation of a large archetypal pathogenicity island of uropathogenic <i>Escherichia coli</i> in vitro support the role of conjugation for horizontal transfer of genomic islands. <i>BMC Microbiology</i> , 2011 , 11, 210	4.5	21
56	Mat fimbriae promote biofilm formation by meningitis-associated <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2010 , 156, 2408-2417	2.9	21
55	O-acetyltransferase gene <i>neuO</i> is segregated according to phylogenetic background and contributes to environmental desiccation resistance in <i>Escherichia coli</i> K1. <i>Environmental Microbiology</i> , 2009 , 11, 3154-65	5.2	21
54	Asymptomatic Bacteriuria as a Model to Study the Coevolution of Hosts and Bacteria. <i>Pathogens</i> , 2016 , 5,	4.5	21
53	Pathogenicity islands and their role in bacterial virulence and survival. <i>Contributions To Microbiology</i> , 2005 , 12, 234-254		20
52	Characterization of urinary tract infection-associated Shiga toxin-producing <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2014 , 82, 4631-42	3.7	17
51	Prevalence and persistence of <i>Escherichia coli</i> in the airways of cystic fibrosis patients - an unrecognized CF pathogen?. <i>International Journal of Medical Microbiology</i> , 2014 , 304, 415-21	3.7	17

50	Breaching the wall: morphological control of efficacy of phthalocyanine-based photoantimicrobials. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4630-4637	7.3	16
49	Complete Genome Sequences of Escherichia coli Strains 1303 and ECC-1470 Isolated from Bovine Mastitis. <i>Genome Announcements</i> , 2015 , 3,		15
48	Origin and Evolution of Hybrid Shiga Toxin-Producing and Uropathogenic Escherichia coli Strains of Sequence Type 141. <i>Journal of Clinical Microbiology</i> , 2019 , 58,	9.7	14
47	Characterization of Asymptomatic Bacteriuria Isolates in Search of Alternative Strains for Efficient Bacterial Interference against Uropathogens. <i>Frontiers in Microbiology</i> , 2018 , 9, 214	5.7	14
46	Prevalence of autotransporters in Escherichia coli: what is the impact of phylogeny and pathotype?. <i>International Journal of Medical Microbiology</i> , 2014 , 304, 243-56	3.7	13
45	Gaining Access to Bacteria through (Reversible) Control of Lipophilicity. <i>Chemistry - A European Journal</i> , 2018 , 24, 1178-1186	4.8	13
44	Influence of Cranberry Extract on Tamm-Horsfall Protein in Human Urine and its Antiadhesive Activity Against Uropathogenic Escherichia coli. <i>Planta Medica</i> , 2019 , 85, 126-138	3.1	12
43	Facile Fabrication of Silicon(IV)Phthalocyanine-Embedded Poly(vinyl alcohol)-Based Antibacterial and Antifouling Interfaces.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 3751-3760	4.1	11
42	Long-term survival of the Shiga toxin-producing Escherichia coli O104:H4 outbreak strain on fenugreek seeds. <i>Food Microbiology</i> , 2016 , 59, 190-5	6	11
41	ClbR Is the Key Transcriptional Activator of Colibactin Gene Expression in Escherichia coli. <i>MSphere</i> , 2020 , 5,	5	11
40	A bacterial protease depletes c-MYC and increases survival in mouse models of bladder and colon cancer. <i>Nature Biotechnology</i> , 2021 , 39, 754-764	44.5	11
39	The primary transcriptome of the Escherichia coli O104:H4 pAA plasmid and novel insights into its virulence gene expression and regulation. <i>Scientific Reports</i> , 2016 , 6, 35307	4.9	10
38	Fimbriae reprogram host gene expression - Divergent effects of P and type 1 fimbriae. <i>PLoS Pathogens</i> , 2019 , 15, e1007671	7.6	9
37	Extended Donor-Acceptor Porphyrins and Metalloporphyrins for Antimicrobial Photodynamic Inactivation. <i>Chemistry - A European Journal</i> , 2020 , 26, 8262-8266	4.8	9
36	Antiadhesive natural products against uropathogenic E. coli: What can we learn from cranberry extract?. <i>Journal of Ethnopharmacology</i> , 2020 , 257, 112889	5	9
35	Phenotypic and Genotypic Characterization of Causing Urinary Tract Infections in Kidney-Transplanted Patients. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	9
34	Transcriptional and Translational Inhibitors Block SOS Response and Shiga Toxin Expression in Enterohemorrhagic Escherichia coli. <i>Scientific Reports</i> , 2019 , 9, 18777	4.9	9
33	MicroRNAs regulate innate immunity against uropathogenic and commensal-like Escherichia coli infections in the surrogate insect model Galleria mellonella. <i>Scientific Reports</i> , 2020 , 10, 2570	4.9	8

32	Determining and unravelling origins of reduced photoinactivation efficacy of bacteria in milk. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 197, 111554	6.7	8
31	Exploring the Impact of Coordination-Driven Self Assembly on the Antibacterial Activity of Low-Symmetry Phthalocyanines.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 400-411	4.1	8
30	Male kidney allograft recipients at risk for urinary tract infection?. <i>PLoS ONE</i> , 2017 , 12, e0188262	3.7	7
29	A recently isolated human commensal Escherichia coli ST10 clone member mediates enhanced thermotolerance and tetrathionate respiration on a P1 phage-derived IncY plasmid. <i>Molecular Microbiology</i> , 2021 , 115, 255-271	4.1	7
28	Oligosaccharides increase the genotoxic effect of colibactin produced by pks+ Escherichia coli strains. <i>BMC Cancer</i> , 2021 , 21, 172	4.8	7
27	Whole-Genome Draft Sequences of Six Commensal Fecal and Six Mastitis-Associated Escherichia coli Strains of Bovine Origin. <i>Genome Announcements</i> , 2016 , 4,		6
26	PapG subtype-specific binding characteristics of Escherichia coli towards globo-series glycosphingolipids of human kidney and bladder uroepithelial cells. <i>Glycobiology</i> , 2019 , 29, 789-802	5.8	6
25	Human mesenchymal stem cells: New sojourn of bacterial pathogens. <i>International Journal of Medical Microbiology</i> , 2015 , 305, 322-6	3.7	5
24	Sub-Inhibitory concentrations of SOS-Response inducing antibiotics stimulate integrase expression and excision of pathogenicity islands in uropathogenic Escherichia coli strain 536. <i>International Journal of Medical Microbiology</i> , 2020 , 310, 151361	3.7	5
23	Active bacterial modification of the host environment through RNA polymerase II inhibition. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	5
22	Orthosipon stamineus extract exerts inhibition of bacterial adhesion and chaperon-usher system of uropathogenic Escherichia coli-a transcriptomic study. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 8571-8584	5.7	4
21	Identification of Novel Biomarkers for Priority Serotypes of Shiga Toxin-Producing and the Development of Multiplex PCR for Their Detection. <i>Frontiers in Microbiology</i> , 2018 , 9, 1321	5.7	4
20	Insights into evolution and coexistence of the colibactin- and yersiniabactin secondary metabolite determinants in enterobacterial populations. <i>Microbial Genomics</i> , 2021 , 7,	4.4	4
19	Bacterial Suppression of RNA Polymerase II-Dependent Host Gene Expression. <i>Pathogens</i> , 2016 , 5,	4.5	4
18	Core elements of the vegetative replication control of the Inc1 plasmid pO104_90 of Escherichia coli O104:H4 also regulate its transfer frequency. <i>International Journal of Medical Microbiology</i> , 2018 , 308, 962-968	3.7	3
17	Meningeal lymphatic endothelial cells fulfill scavenger endothelial cell function and cooperate with microglia in waste removal from the brain. <i>Glia</i> , 2022 , 70, 35-49	9	3
16	Metabolomics Study on Pathogenic and Non-pathogenic . with Closely Related Genomes with a Focus on Yersiniabactin and Its Known and Novel Derivatives. <i>Metabolites</i> , 2020 , 10,	5.6	2
15	Variability in growth responses of non-O157 EHEC isolates in leafy vegetables, sprouted seeds and soil extracts occurs at the isolate level. <i>FEMS Microbiology Letters</i> , 2020 , 367,	2.9	2

14	The emerging role of epigenetic mechanisms in insect defense against pathogens. <i>Current Opinion in Insect Science</i> , 2021 , 49, 8-14	5.1	2
13	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. <i>Toxins</i> , 2016 , 8,	4.9	2
12	The Superior Adherence Phenotype of E. coli O104:H4 is Directly Mediated by the Aggregative Adherence Fimbriae Type I. <i>Virulence</i> , 2021 , 12, 346-359	4.7	2
11	Effect of chlorine on cultivability of Shiga toxin producing Escherichia coli (STEC) and β -lactamase genes carrying E. coli and Pseudomonas aeruginosa. <i>International Journal of Medical Microbiology</i> , 2018 , 308, 1105-1112	3.7	2
10	Comparative phenotypic characterization of hybrid Shiga toxin-producing / uropathogenic Escherichia coli, canonical uropathogenic and Shiga toxin-producing Escherichia coli. <i>International Journal of Medical Microbiology</i> , 2021 , 311, 151533	3.7	2
9	Whole-Genome Draft Sequences of Nine Asymptomatic Bacteriuria Isolates from Diabetic Patients. <i>Genome Announcements</i> , 2018 , 6,		1
8	Differential effects and interactions of endogenous and horizontally acquired H-NS-like proteins in pathogenic Escherichia coli. <i>Molecular Microbiology</i> , 2010 , 76, 1063-1063	4.1	1
7	IHF stabilizes pathogenicity island I of uropathogenic Escherichia coli strain 536 by attenuating integrase I promoter activity. <i>Scientific Reports</i> , 2020 , 10, 9397	4.9	1
6	Umbelliferone Decorated Water-soluble Zinc(II) Phthalocyanines - In Vitro Phototoxic Antimicrobial Anti-cancer Agents. <i>Chemistry - A European Journal</i> , 2021 , 27, 14672-14680	4.8	1
5	Two Polyketides Intertwined in Complex Regulation: Posttranscriptional CsrA-Mediated Control of Colibactin and Yersiniabactin Synthesis in Escherichia coli.. <i>MBio</i> , 2022 , e0381421	7.8	0
4	The aggregate-forming pili (AFP) mediates the aggregative adherence of a hybrid-pathogenic (UPEC/EAEC) isolated from a urinary tract infection.. <i>Virulence</i> , 2021 , 12, 3073-3093	4.7	0
3	Pathogenomics: Identification of Novel Drug Targets and Vaccine Candidates in Bacteria373-413		
2	Impact of Genome Plasticity on Adaptation of Escherichia coli during Urinary Bladder Colonization1-15		
1	Collateral effects of deletion of nlpD on rpoS and rpoS-dependent genes. Reply. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	