

Ulrich Dobrindt

List of Publications by Year in descending order

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105
papers

8,098
citations

81743

39
h-index

51492

86
g-index

110
all docs

110
docs citations

110
times ranked

8771
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic islands in pathogenic and environmental microorganisms. <i>Nature Reviews Microbiology</i> , 2004, 2, 414-424.	13.6	1,062
2	<i>Escherichia coli</i> Induces DNA Double-Strand Breaks in Eukaryotic Cells. <i>Science</i> , 2006, 313, 848-851.	6.0	886
3	Gut inflammation can boost horizontal gene transfer between pathogenic and commensal <i>Enterobacteriaceae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1269-1274.	3.3	398
4	How to become a uropathogen: Comparative genomic analysis of extraintestinal pathogenic <i>Escherichia coli</i> strains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12879-12884.	3.3	320
5	Analysis of the Genome Structure of the Nonpathogenic Probiotic <i>Escherichia coli</i> Strain Nissle 1917. <i>Journal of Bacteriology</i> , 2004, 186, 5432-5441.	1.0	315
6	Genetic Structure and Distribution of the Colibactin Genomic Island among Members of the Family <i>Enterobacteriaceae</i> . <i>Infection and Immunity</i> , 2009, 77, 4696-4703.	1.0	273
7	Analysis of Genome Plasticity in Pathogenic and Commensal <i>Escherichia coli</i> Isolates by Use of DNA Arrays. <i>Journal of Bacteriology</i> , 2003, 185, 1831-1840.	1.0	246
8	<i>E. coli</i> as an All-Rounder: The Thin Line Between Commensalism and Pathogenicity. <i>Current Topics in Microbiology and Immunology</i> , 2013, 358, 3-32.	0.7	242
9	What defines extraintestinal pathogenic <i>Escherichia coli</i> ?. <i>International Journal of Medical Microbiology</i> , 2011, 301, 642-647.	1.5	236
10	Identification of protective and broadly conserved vaccine antigens from the genome of extraintestinal pathogenic <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9072-9077.	3.3	222
11	The enemy within us: lessons from the 2011 European <i>Escherichia coli</i> O104:H4 outbreak. <i>EMBO Molecular Medicine</i> , 2012, 4, 841-848.	3.3	215
12	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.	1.5	177
13	Genetic Structure and Distribution of Four Pathogenicity Islands (PAI I 536 to PAI IV 536) of Uropathogenic <i>Escherichia coli</i> Strain 536. <i>Infection and Immunity</i> , 2002, 70, 6365-6372.	1.0	171
14	Host Imprints on Bacterial Genomes—Rapid, Divergent Evolution in Individual Patients. <i>PLoS Pathogens</i> , 2010, 6, e1001078.	2.1	130
15	Genotoxicity of <i>Escherichia coli</i> Nissle 1917 strain cannot be dissociated from its probiotic activity. <i>Gut Microbes</i> , 2012, 3, 501-509.	4.3	125
16	Role of pathogenicity island-associated integrases in the genome plasticity of uropathogenic <i>Escherichia coli</i> strain 536. <i>Molecular Microbiology</i> , 2006, 61, 584-595.	1.2	124
17	Characterization of <i>Escherichia coli</i> Isolates from Hospital Inpatients or Outpatients with Urinary Tract Infection. <i>Journal of Clinical Microbiology</i> , 2014, 52, 407-418.	1.8	120
18	S-Fimbria-Encoding Determinant <i>sfal</i> Is Located on Pathogenicity Island III536 of Uropathogenic <i>Escherichia coli</i> Strain 536. <i>Infection and Immunity</i> , 2001, 69, 4248-4256.	1.0	119

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19	Instability of Pathogenicity Islands in Uropathogenic <i>Escherichia coli</i> 536. <i>Journal of Bacteriology</i> , 2004, 186, 3086-3096.	1.0	114
20	Virulence factors of uropathogens. <i>Current Opinion in Urology</i> , 2002, 12, 33-38.	0.9	113
21	Molecular Basis of Commensalism in the Urinary Tract: Low Virulence or Virulence Attenuation?. <i>Infection and Immunity</i> , 2008, 76, 695-703.	1.0	110
22	Expression analysis of the colibactin gene cluster coding for a novel polyketide in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2007, 275, 255-262.	0.7	86
23	No evidence for a bovine mastitis <i>Escherichia coli</i> pathotype. <i>BMC Genomics</i> , 2017, 18, 359.	1.2	85
24	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.	5.8	84
25	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.	7.2	83
26	Demonstration of regulatory cross-talk between P fimbriae and type 1 fimbriae in uropathogenic <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 1143-1153.	0.7	76
27	Excision of the high-pathogenicity island of <i>Yersinia pseudotuberculosis</i> requires the combined actions of its cognate integrase and Hef, a new recombination directionality factor. <i>Molecular Microbiology</i> , 2004, 52, 1337-1348.	1.2	75
28	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.	1.6	73
29	Genome dynamics and its impact on evolution of <i>Escherichia coli</i> . <i>Medical Microbiology and Immunology</i> , 2010, 199, 145-154.	2.6	72
30	Bacterial control of host gene expression through RNA polymerase II. <i>Journal of Clinical Investigation</i> , 2013, 123, 2366-2379.	3.9	71
31	Pathogen Specific, IRF3-Dependent Signaling and Innate Resistance to Human Kidney Infection. <i>PLoS Pathogens</i> , 2010, 6, e1001109.	2.1	68
32	Comparison of Asymptomatic Bacteriuria <i>Escherichia coli</i> 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, 668-678.	1.0	68
33	The Pathogenicity Island-Associated K15 Capsule Determinant Exhibits a Novel Genetic Structure and Correlates with Virulence in Uropathogenic <i>Escherichia coli</i> Strain 536. <i>Infection and Immunity</i> , 2004, 72, 5993-6001.	1.0	67
34	In Vivo Consumption of Cranberry Exerts ex Vivo Antiadhesive Activity against FimH-Dominated Uropathogenic <i>Escherichia coli</i> : A Combined in Vivo, ex Vivo, and in Vitro Study of an Extract from <i>Vaccinium macrocarpon</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8804-8818.	2.4	60
35	The Food Contaminant Deoxynivalenol Exacerbates the Genotoxicity of Gut Microbiota. <i>MBio</i> , 2017, 8, .	1.8	60
36	Genomic Avenue to Avian Colisepticemia. <i>MBio</i> , 2015, 6, .	1.8	59

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37	Iron Homeostasis Regulates the Genotoxicity of Escherichia coli That Produces Colibactin. <i>Infection and Immunity</i> , 2016, 84, 3358-3368.	1.0	57
38	The insect antimicrobial peptide cecropin A disrupts uropathogenic Escherichia coli biofilms. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 6.	2.9	56
39	Heteropathogenic virulence and phylogeny reveal phased pathogenic metamorphosis in <i>Escherichia coli</i> O2:H6. <i>EMBO Molecular Medicine</i> , 2014, 6, 347-357.	3.3	49
40	Acute Escherichia coli Prostatitis in Previously Health Young Men: Bacterial Virulence Factors, Antimicrobial Resistance, and Clinical Outcomes. <i>Urology</i> , 2011, 77, 1420-1425.	0.5	47
41	Both α -haemolysin determinants contribute to full virulence of uropathogenic Escherichia coli strain 536. <i>Microbes and Infection</i> , 2006, 8, 2006-2012.	1.0	40
42	Epigenetic Mechanisms Regulate Innate Immunity against Uropathogenic and Commensal-Like Escherichia coli in the Surrogate Insect Model Galleria mellonella. <i>Infection and Immunity</i> , 2017, 85, .	1.0	40
43	Rare Emergence of Symptoms during Long-Term Asymptomatic Escherichia coli 83972 Carriage without an Altered Virulence Factor Repertoire. <i>Journal of Urology</i> , 2014, 191, 519-528.	0.2	39
44	Genes on a Wire: The Nucleoid-Associated Protein HU Insulates Transcription Units in Escherichia coli. <i>Scientific Reports</i> , 2016, 6, 31512.	1.6	39
45	Impact of O-glycosylation on the molecular and cellular adhesion properties of the Escherichia coli autotransporter protein Ag43. <i>International Journal of Medical Microbiology</i> , 2009, 299, 389-401.	1.5	35
46	Targeting virulence traits: potential strategies to combat extraintestinal pathogenic E. coli infections. <i>Current Opinion in Microbiology</i> , 2008, 11, 409-413.	2.3	33
47	Whole-Genome Draft Sequences of Six Commensal Fecal and Six Mastitis-Associated <i>Escherichia coli</i> Strains of Bovine Origin. <i>Genome Announcements</i> , 2016, 4, .	0.8	31
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, .	1.8	31
49	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.	0.7	31
50	Mobilisation and remobilisation of a large archetypal pathogenicity island of uropathogenic Escherichia coli in vitro support the role of conjugation for horizontal transfer of genomic islands. <i>BMC Microbiology</i> , 2011, 11, 210.	1.3	28
51	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.	9.4	27
52	Mat fimbriae promote biofilm formation by meningitis-associated Escherichia coli. <i>Microbiology (United Kingdom)</i> , 2010, 156, 2408-2417.	0.7	26
53	Characterization of Urinary Tract Infection-Associated Shiga Toxin-Producing Escherichia coli. <i>Infection and Immunity</i> , 2014, 82, 4631-4642.	1.0	26
54	Complete Genome Sequences of Escherichia coli Strains 1303 and ECC-1470 Isolated from Bovine Mastitis. <i>Genome Announcements</i> , 2015, 3, .	0.8	26

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55	Asymptomatic Bacteriuria as a Model to Study the Coevolution of Hosts and Bacteria. <i>Pathogens</i> , 2016, 5, 21.	1.2	25
56	Pathogenicity Islands and Their Role in Bacterial Virulence and Survival. , 2004, 12, 234-254.		24
57	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, 3154-3165.	1.8	24
58	Characterization of Asymptomatic Bacteriuria <i>Escherichia coli</i> Isolates in Search of Alternative Strains for Efficient Bacterial Interference against Uropathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 214.	1.5	24
59	Oligosaccharides increase the genotoxic effect of colibactin produced by <i>pks+</i> <i>Escherichia coli</i> strains. <i>BMC Cancer</i> , 2021, 21, 172.	1.1	24
60	Breaching the wall: morphological control of efficacy of phthalocyanine-based photoantimicrobials. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4630-4637.	2.9	22
61	Antiadhesive natural products against uropathogenic <i>E. coli</i> : What can we learn from cranberry extract?. <i>Journal of Ethnopharmacology</i> , 2020, 257, 112889.	2.0	22
62	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, 415-421.	1.5	21
63	A recently isolated human commensal <i>Escherichia coli</i> ST10 clone member mediates enhanced thermotolerance and tetrathionate respiration on a P1 phage-derived <i>IncY</i> plasmid. <i>Molecular Microbiology</i> , 2021, 115, 255-271.	1.2	21
64	Transcriptional and Translational Inhibitors Block SOS Response and Shiga Toxin Expression in Enterohemorrhagic <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2019, 9, 18777.	1.6	20
65	Prevalence of autotransporters in <i>Escherichia coli</i> : what is the impact of phylogeny and pathotype?. <i>International Journal of Medical Microbiology</i> , 2014, 304, 243-256.	1.5	19
66	Bacterial Suppression of RNA Polymerase II-Dependent Host Gene Expression. <i>Pathogens</i> , 2016, 5, 49.	1.2	19
67	<i>ClbR</i> Is the Key Transcriptional Activator of Colibactin Gene Expression in <i>Escherichia coli</i> . <i>MSphere</i> , 2020, 5, .	1.3	19
68	MicroRNAs regulate innate immunity against uropathogenic and commensal-like <i>Escherichia coli</i> infections in the surrogate insect model <i>Galleria mellonella</i> . <i>Scientific Reports</i> , 2020, 10, 2570.	1.6	18
69	The primary transcriptome of the <i>Escherichia coli</i> O104:H4 pAA plasmid and novel insights into its virulence gene expression and regulation. <i>Scientific Reports</i> , 2016, 6, 35307.	1.6	17
70	Fimbriae reprogram host gene expression — Divergent effects of P and type 1 fimbriae. <i>PLoS Pathogens</i> , 2019, 15, e1007671.	2.1	17
71	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.	2.3	15
72	Extended Donor-Acceptor Porphyrins and Metalloporphyrins for Antimicrobial Photodynamic Inactivation. <i>Chemistry - A European Journal</i> , 2020, 26, 8262-8266.	1.7	15

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73	Long-term survival of the Shiga toxin-producing <i>Escherichia coli</i> O104:H4 outbreak strain on fenugreek seeds. <i>Food Microbiology</i> , 2016, 59, 190-195.	2.1	14
74	Gaining Access to Bacteria through (Reversible) Control of Lipophilicity. <i>Chemistry - A European Journal</i> , 2018, 24, 1178-1186.	1.7	14
75	PapG subtype-specific binding characteristics of <i>Escherichia coli</i> towards globo-series glycosphingolipids of human kidney and bladder uroepithelial cells. <i>Glycobiology</i> , 2019, 29, 789-802.	1.3	14
76	Sub-Inhibitory concentrations of SOS-Response inducing antibiotics stimulate integrase expression and excision of pathogenicity islands in uropathogenic <i>Escherichia coli</i> strain 536. <i>International Journal of Medical Microbiology</i> , 2020, 310, 151361.	1.5	14
77	Determining and unravelling origins of reduced photoinactivation efficacy of bacteria in milk. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111554.	1.7	13
78	Phenotypic and Genotypic Characterization of <i>Escherichia coli</i> Causing Urinary Tract Infections in Kidney-Transplanted Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 988.	1.0	13
79	Insights into evolution and coexistence of the colibactin- and yersiniabactin secondary metabolite determinants in enterobacterial populations. <i>Microbial Genomics</i> , 2021, 7, .	1.0	13
80	Orthosipon stamineus extract exerts inhibition of bacterial adhesion and chaperon-usher system of uropathogenic <i>Escherichia coli</i> – a transcriptomic study. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8571-8584.	1.7	12
81	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.	2.3	12
82	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.	2.5	11
83	Whole-Genome Draft Sequences of Nine Asymptomatic <i>Escherichia coli</i> Bacteriuria Isolates from Diabetic Patients. <i>Genome Announcements</i> , 2018, 6, .	0.8	10
84	Male kidney allograft recipients at risk for urinary tract infection?. <i>PLoS ONE</i> , 2017, 12, e0188262.	1.1	10
85	The Superior Adherence Phenotype of <i>E. coli</i> O104:H4 is Directly Mediated by the Aggregative Adherence Fimbriae Type I. <i>Virulence</i> , 2021, 12, 346-359.	1.8	9
86	Two Polyketides Intertwined in Complex Regulation: Posttranscriptional CsrA-Mediated Control of Colibactin and Yersiniabactin Synthesis in <i>Escherichia coli</i> . <i>MBio</i> , 2022, 13, e0381421.	1.8	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. <i>Virulence</i> , 2021, 12, 3073-3093.	1.8	9
88	Comparative phenotypic characterization of hybrid Shiga toxin-producing / uropathogenic <i>Escherichia coli</i> , canonical uropathogenic and Shiga toxin-producing <i>Escherichia coli</i> . <i>International Journal of Medical Microbiology</i> , 2021, 311, 151533.	1.5	8
89	The emerging role of epigenetic mechanisms in insect defense against pathogens. <i>Current Opinion in Insect Science</i> , 2022, 49, 8-14.	2.2	8
90	Identification of Novel Biomarkers for Priority Serotypes of Shiga Toxin-Producing <i>Escherichia coli</i> and the Development of Multiplex PCR for Their Detection. <i>Frontiers in Microbiology</i> , 2018, 9, 1321.	1.5	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. <i>Metabolites</i> , 2020, 10, 221.	1.3	7
92	Active bacterial modification of the host environment through RNA polymerase II inhibition. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	7
93	Human mesenchymal stem cells: New sojourn of bacterial pathogens. <i>International Journal of Medical Microbiology</i> , 2015, 305, 322-326.	1.5	6
94	IHF stabilizes pathogenicity island I of uropathogenic Escherichia coli strain 536 by attenuating integrase I promoter activity. <i>Scientific Reports</i> , 2020, 10, 9397.	1.6	6
95	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, .	0.7	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. <i>Antibiotics</i> , 2021, 10, 645.	1.5	6
97	Umbelliferone Decorated Water-soluble Zinc(II) Phthalocyanines as <i>In Vitro</i> Phototoxic Antimicrobial Anti-cancer Agents. <i>Chemistry - A European Journal</i> , 2021, 27, 14672-14680.	1.7	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. <i>Toxins</i> , 2016, 8, 291.	1.5	3
99	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.	1.5	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. <i>International Journal of Medical Microbiology</i> , 2018, 308, 962-968.	1.5	3
101	A Simple Biosensor-Based Assay for Quantitative Autoinducer-2 Analysis. <i>ACS Synthetic Biology</i> , 2022, 11, 747-759.	1.9	3
102	Differential effects and interactions of endogenous and horizontally acquired Hns-like proteins in pathogenic <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2010, 76, 1063-1063.	1.2	1
103	Collateral effects of deletion of nlpD on rpoS and rpoS-dependent genes. Reply.. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	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. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0