Annelie Brauner

List of Publications by Year
in descending order

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104 papers	3,651 citations	159358 30 h-index	155451 55 g-index
107 all docs	107 docs citations	107 times ranked	4154 citing authors

#	Article	IF	Citations
1	The antimicrobial peptide cathelicidin protects the urinary tract against invasive bacterial infection. Nature Medicine, 2006, 12, 636-641.	15.2	553
2	Uropathogenic Escherichia coli Modulates Immune Responses and Its Curli Fimbriae Interact with the Antimicrobial Peptide LL-37. PLoS Pathogens, 2010, 6, e1001010.	2.1	203
3	Expression of and Cytokine Activation byEscherichia coliCurli Fibers in Human Sepsis. Journal of Infectious Diseases, 2000, 181, 602-612.	1.9	181
4	Virulence Factors of Uropathogenic E. coli and Their Interaction with the Host. Advances in Microbial Physiology, 2014, 65, 337-372.	1.0	133
5	Red meat allergy in Sweden: Association with tick sensitization and B-negative blood groups. Journal of Allergy and Clinical Immunology, 2013, 132, 1431-1434.e6.	1.5	132
6	Estrogen Supports Urothelial Defense Mechanisms. Science Translational Medicine, 2013, 5, 190ra80.	5.8	109
7	Vitamin D Induction of the Human Antimicrobial Peptide Cathelicidin in the Urinary Bladder. PLoS ONE, 2010, 5, e15580.	1.1	108
8	â€œltâ€™s a gut feelingâ€•â€“Escherichia colibiofilm formation in the gastrointestinal tract environment. Critical Reviews in Microbiology, 2018, 44, 1-30.	2.7	87
9	Characterization of cellulose production in Escherichia coli Nissle 1917 and its biological consequences. Environmental Microbiology, 2009, 11, 1105-1116.	1.8	76
10	Estrogenic action on innate defense mechanisms in the urinary tract. Maturitas, 2014, 77, 32-36.	1.0	75
11	Tissue Inhibitor of Metalloproteinase 1 Activates Normal Human Granulocytes, Protects Them from Apoptosis, and Blocks Their Transmigration during Inflammation. Infection and Immunity, 2004, 72, 82-88.	1.0	63
12	Markers of innate immune activity in patients with type 1 and type 2 diabetes mellitus and the effect of the anti-oxidant coenzyme Q10 on inflammatory activity. Clinical and Experimental Immunology, 2014, 177, 478-482.	1.1	62
13	Nanogel Encapsulated Hydrogels As Advanced Wound Dressings for the Controlled Delivery of Antibiotics. Advanced Functional Materials, 2021, 31, 2006453.	7.8	58
14	Ureaplasma urealyticum-Induced Production of Proinflammatory Cytokines by Macrophages. Pediatric Research, 2000, 48, 114-119.	1.1	58
15	Matrix Metalloproteinase-9 and Tissue Inhibitor of Metalloproteinases-1 in Acute Pyelonephritis and Renal Scarring. Pediatric Research, 2003, 53, 698-705.	1.1	55
16	The Diversity of Lipopolysaccharide (O) and Capsular Polysaccharide (K) Antigens of Invasive Klebsiella pneumoniae in a Multi-Country Collection. Frontiers in Microbiology, 2020, 11, 1249.	1.5	52
17	Activation of the NLRP3 Inflammasome Pathway by Uropathogenic Escherichia coli Is Virulence Factor-Dependent and Influences Colonization of Bladder Epithelial Cells. Frontiers in Cellular and Infection Microbiology, 2018, 8, 81.	1.8	50
18	Bacteriuria, Bacterial Virulence and Host Factors in Diabetic Patients. Diabetic Medicine, 1993, 10, 550-554.	1.2	44

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19	Do Escherichia coli strains causing acute cystitis have a distinct virulence repertoire?. Microbial Pathogenesis, 2012, 52, 10-16.	1.3	44
20	Urinary Escherichia coli causing recurrent infections--a prospective follow-up of biochemical phenotypes. Clinical Nephrology, 1992, 38, 318-23.	0.4	44
21	Downregulatory cytokines in tracheobronchial aspirate fluid from infants with chronic lung disease of prematurity. Acta Paediatrica, International Journal of Paediatrics, 2000, 89, 1375-1380.	0.7	43
22	Matrix metalloproteinase-8 correlates with the cervical ripening process in humans. Acta Obstetricia Et Gynecologica Scandinavica, 2003, 82, 904-911.	1.3	40
23	CYTOKINE GENE EXPRESSION DURING EXPERIMENTAL ESCHERICHIA COLI PYELONEPHRITIS IN MICE. Journal of Urology, 1997, 158, 1576-1580.	0.2	39
24	Enhanced chemokine response in experimental acuteEscherichia colipyelonephritis in IL-1Î²-deficient mice. Clinical and Experimental Immunology, 2003, 131, 225-233.	1.1	39
25	Characteristics of Biofilms from Urinary Tract Catheters and Presence of Biofilm-Related Components in Escherichia coli. Current Microbiology, 2010, 60, 446-453.	1.0	37
26	Association between vitamin D, antimicrobial peptides and urinary tract infection in infants and young children. Acta Paediatrica, International Journal of Paediatrics, 2019, 108, 551-556.	0.7	37
27	Stand-Alone EAL Domain Proteins Form a Distinct Subclass of EAL Proteins Involved in Regulation of Cell Motility and Biofilm Formation in Enterobacteria. Journal of Bacteriology, 2017, 199, .	1.0	36
28	Escherichia coli -induced expression of IL-1Î± , IL-1Î² , IL-6 and IL-8 in normal human renal tubular epithelial cells. Clinical and Experimental Immunology, 2001, 124, 423-428.	1.1	35
29	Discovery of New Genes Involved in Curli Production by a Uropathogenic Escherichia coli Strain from the Highly Virulent O45:K1:H7 Lineage. MBio, 2018, 9, .	1.8	35
30	Characterisation of uropathogenic Escherichia coli from children with urinary tract infection in different countries. European Journal of Clinical Microbiology and Infectious Diseases, 2011, 30, 1587-1593.	1.3	34
31	Increased levels of transforming growth factor beta 1 and basic fibroblast growth factor in patients on CAPD: a study during non-infected steady state and peritonitis. Inflammation, 1999, 23, 131-139.	1.7	32
32	Population structure and uropathogenic virulence-associated genes of faecal Escherichia coli from healthy young and elderly adults. Journal of Medical Microbiology, 2011, 60, 574-581.	0.7	32
33	Aerobactin-mediated uptake of iron by strains of Escherichia coli causing acute pyelonephritis and bacteraemia. Journal of Infection, 1988, 16, 147-152.	1.7	31
34	Control of pathogen growth and biofilm formation using a urinary catheter that releases antimicrobial nitrogen oxides. Free Radical Biology and Medicine, 2013, 65, 1257-1264.	1.3	31
35	Production of cytotoxic necrotizing factor, verocytotoxin and haemolysin by pyelonephritogenicEscherichia coli. European Journal of Clinical Microbiology and Infectious Diseases, 1990, 9, 762-767.	1.3	30
36	Difference in the blood monocyte phenotype between uremic patients and healthy controls: its relation to monocyte differentiation into macrophages in the peritoneal cavity. Inflammation, 1998, 22, 55-66.	1.7	30

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37	Meconium Induces Expression of Inducible NO Synthase and Activation of NF-Î²B in Rat Alveolar Macrophages. Pediatric Research, 2001, 49, 820-825.	1.1	29
38	Bacterial Nanoscale Cultures for Phenotypic Multiplexed Antibiotic Susceptibility Testing. Journal of Clinical Microbiology, 2014, 52, 3310-3317.	1.8	29
39	Serum resistance in Escherichia coli strains causing acute pyelonephritis and bacteraemia. Apmis, 1992, 100, 147-153.	0.9	27
40	Relative Importance of Eight Virulence Characteristics of Pyelonephritogenic Escherichia Coli Strains Assessed by Multivariate Statistical Analysis. Journal of Urology, 1991, 146, 1153-1155.	0.2	26
41	Antimicrobial mechanisms of the urinary tract. Journal of Molecular Medicine, 2008, 86, 37-47.	1.7	25
42	Ag43 Promotes Persistence of Uropathogenic E scherichia coli Isolates in the Urinary Tract. Journal of Clinical Microbiology, 2010, 48, 2316-2317.	1.8	25
43	Alterations of câ€diâ€<scp>GMP</scp> turnover proteins modulate semiâ€constitutive rdar biofilm formation in commensal and uropathogenic Escherichia coli. MicrobiologyOpen, 2017, 6, e00508.	1.2	25
44	Novel Strategies in the Prevention and Treatment of Urinary Tract Infections. Pathogens, 2016, 5, 13.	1.2	24
45	Distribution of serotypes and antibiotic resistance of invasive Pseudomonas aeruginosa in a multi-country collection. BMC Microbiology, 2022, 22, 13.	1.3	24
46	Activation of NLRP3 by uropathogenic Escherichia coli is associated with IL-1Î² release and regulation of antimicrobial properties in human neutrophils. Scientific Reports, 2020, 10, 21837.	1.6	23
47	Uropathogenic Escherichia coli Isolates from Pregnant Women in Different Countries. Journal of Clinical Microbiology, 2012, 50, 3569-3574.	1.8	22
48	P-fimbriation and haemolysin production are the most important virulence factors in diabetic patients with Escherichia coli bacteraemia: A multivariate statistical analysis of seven bacterial virulence factors. Journal of Infection, 1995, 31, 27-31.	1.7	20
49	Is there a risk of cancer development after Campylobacter infection?. Scandinavian Journal of Gastroenterology, 2010, 45, 893-897.	0.6	20
50	Rapid diagnostic assay for detection of cellulose in urine as biomarker for biofilm-related urinary tract infections. Npj Biofilms and Microbiomes, 2018, 4, 26.	2.9	20
51	Stereotyping at the undergraduate level revealed during interprofessional learning between future doctors and biomedical scientists. Journal of Interprofessional Care, 2010, 24, 53-62.	0.8	19
52	The impact of vitamin D on the innate immune response to uropathogenic Escherichia coli during pregnancy. Clinical Microbiology and Infection, 2015, 21, 482.e1-482.e7.	2.8	19
53	Rapid Phenotypic Antibiotic Susceptibility Testing of Uropathogens Using Optical Signal Analysis on the Nanowell Slide. Frontiers in Microbiology, 2018, 9, 1530.	1.5	19
54	The neutrophil-mobilizing cytokine interleukin-26 in the airways of long-term tobacco smokers. Clinical Science, 2018, 132, 959-983.	1.8	19

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55	Antibiotic Overconsumption in Pregnant Women With Urinary Tract Symptoms in Uganda. Clinical Infectious Diseases, 2017, 65, 544-550.	2.9	18
56	Psoriasin, a novel anti-Candida albicans adhesin. Journal of Molecular Medicine, 2018, 96, 537-545.	1.7	18
57	The Use of Biochemical Markers, Serotype and Fimbriation in the Detection of Escherichia coli Clones. Microbiology (United Kingdom), 1987, 133, 2825-2834.	0.7	17
58	Extract of Clinopodium bolivianum protects against E. coli invasion of uroepithelial cells. Journal of Ethnopharmacology, 2017, 198, 214-220.	2.0	17
59	Making medical devices safer: impact of plastic and silicone oil on microbial biofilm formation. Journal of Hospital Infection, 2020, 106, 155-162.	1.4	17
60	Vitamin D strengthens the bladder epithelial barrier by inducing tight junction proteins during E. coli urinary tract infection. Cell and Tissue Research, 2020, 380, 669-673.	1.5	17
61	Vitamin D-deficient mice have more invasive urinary tract infection. PLoS ONE, 2017, 12, e0180810.	1.1	17
62	Cytokine gene expression during experimental Escherichia coli pyelonephritis in mice. Journal of Urology, 1997, 158, 1576-80.	0.2	17
63	Lactuca indica extract interferes with uroepithelial infection by Escherichia coli. Journal of Ethnopharmacology, 2011, 135, 672-677.	2.0	16
64	Decoctions from Citrus reticulata Blanco seeds protect the uroepithelium against Escherichia coli invasion. Journal of Ethnopharmacology, 2013, 150, 770-774.	2.0	16
65	Ag@ZnO Nanoparticles Induce Antimicrobial Peptides and Promote Migration and Antibacterial Activity of Keratinocytes. ACS Infectious Diseases, 2021, 7, 2068-2072.	1.8	16
66	Cellulose and PapG are important for Escherichia coli causing recurrent urinary tract infection in women. Infection, 2011, 39, 571-574.	2.3	15
67	Interleukin-10, Interferon Gamma, Interleukin-2, and Soluble Interleukin-2 Receptor Alpha Detected during Peritonitis in the Dialysate and Serum of Patients on Continuous Ambulatory Peritoneal Dialysis. Peritoneal Dialysis International, 1996, 16, 607-612.	1.1	14
68	Interleukin-1&; and interleukin-6 in the urine, kidney, and bladder of mice inoculated with Escherichia coli. Pediatric Nephrology, 1996, 10, 453-457.	0.9	14
69	Labisia pumila var. alata reduces bacterial load by inducing uroepithelial cell apoptosis. Journal of Ethnopharmacology, 2011, 136, 111-116.	2.0	14
70	Anti-biofilm activity of chlorhexidine digluconate against Candida albicans vaginal isolates. PLoS ONE, 2020, 15, e0238428.	1.1	14
71	Elevated cytokine levels in tracheobronchial aspirate fluids from ventilator treated neonates with bronchopulmonary dysplasia. European Journal of Pediatrics, 1996, 155, 112-116.	1.3	14
72	Dendritic Hydrogels Induce Immune Modulation in Human Keratinocytes and Effectively Eradicate Bacterial Pathogens. Journal of the American Chemical Society, 2021, 143, 17180-17190.	6.6	14

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73	A stable cyclized antimicrobial peptide derived from LL-37 with host immunomodulatory effects and activity against uropathogens. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	14
74	Open-ended assignments and student responsibility. Biochemistry and Molecular Biology Education, 2007, 35, 187-192.	0.5	13
75	The erythropoietin analogue ARA290 modulates the innate immune response and reducesEscherichia coliinvasion into urothelial cells. FEMS Immunology and Medical Microbiology, 2011, 62, 190-196.	2.7	12
76	Amaranthus caudatus extract inhibits the invasion of E. coli into uroepithelial cells. Journal of Ethnopharmacology, 2018, 220, 155-158.	2.0	11
77	Capd Peritonitis Induces the Production of a Novel Peptide, Daintain/Allograft Inflammatory Factor-1. Peritoneal Dialysis International, 2003, 23, 5-13.	1.1	10
78	INTERLEUKIN-8 RESPONSE IN CELLS FROM THE HUMAN URINARY TRACT INDUCED BY LIPOPOLYSACCHARIDES OF PROTEUS MIRABILIS O3 AND O18. Journal of Urology, 2005, 173, 1381-1384.	0.2	10
79	Gynostemma pentaphyllum exhibits anti-inflammatory properties and modulates antimicrobial peptide expression in the urinary bladder. Journal of Functional Foods, 2015, 17, 283-292.	1.6	10
80	Pseudomonas cepacia Septicemia in Patients with Burns: Report of Two Cases. Scandinavian Journal of Infectious Diseases, 1985, 17, 63-66.	1.5	9
81	Septicaemia caused by Arcanobacterium haemolyticum smooth type in an immunocompetent patient. Journal of Medical Microbiology, 2012, 61, 1328-1329.	0.7	8
82	Improved cell surface display of Salmonella enterica serovar Enteritidis antigens in Escherichia coli. Microbial Cell Factories, 2015, 14, 47.	1.9	8
83	Increased expression of CD25 and HLA-DR on lymphocytes recruited into the peritoneal cavity in non-infected CAPD patients. Inflammation, 2001, 25, 399-404.	1.7	7
84	Bacteremia with P-fimbriated Escherichia coli in diabetic patients: correlation between proteinuria and non-P-fimbriated strains. Diabetes Research, 1987, 6, 61-5.	0.1	7
85	Cytotoxic necrotizing factor 1 (CNF1) induces an inflammatory response in the urinary tract in vitro but not in vivo,. Toxicon, 2008, 51, 1544-1547.	0.8	6
86	Metformin strengthens uroepithelial immunity against E. coli infection. Scientific Reports, 2021, 11, 19263.	1.6	6
87	Containment of Antibiotic REsistanceâ€"measures to improve antibiotic use in pregnancy, childbirth and young children (CAREChild): a protocol of a prospective, quasiexperimental interventional study in Lao PDR. BMJ Open, 2020, 10, e040334.	0.8	6
88	CAPD peritonitis induces the production of a novel peptide, daintain/allograft inflammatory factor-1. Peritoneal Dialysis International, 2003, 23, 5-13.	1.1	6
89	Putative Link between the Virulence-Associated fluA Gene and Fluoroquinolone Resistance in Uropathogenic Escherichia coli. Journal of Clinical Microbiology, 2010, 48, 675-676.	1.8	5
90	Draft Genome Sequences of Semiconstitutive Red, Dry, and Rough Biofilm-Forming Commensal and Uropathogenic Escherichia coli Isolates. Genome Announcements, 2017, 5, .	0.8	5

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91	Elevated nitric oxide in recurrent vulvovaginal candidiasis â€“ association with clinical findings. Acta Obstetricia Et Gynecologica Scandinavica, 2017, 96, 295-301.	1.3	5
92	Statins influence epithelial expression of the anti-microbial peptide LL-37/hCAP-18 independently of the mevalonate pathway. Clinical and Experimental Immunology, 2019, 195, 265-276.	1.1	5
93	Knowledge, Attitudes, Perception and Reported Practices of Healthcare Providers on Antibiotic Use and Resistance in Pregnancy, Childbirth and Children under Two in Lao PDR: A Mixed Methods Study. Antibiotics, 2021, 10, 1462.	1.5	5
94	Granulocyte stimulating factor in patients on peritoneal dialysis and LPS stimulated peripheral blood mononuclear cells. Inflammation, 1998, 22, 393-401.	1.7	4
95	Lupinus mutabilis Edible Beans Protect against Bacterial Infection in Uroepithelial Cells. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-8.	0.5	4
96	HIF-1 mediated activation of antimicrobial peptide LL-37 in type 2 diabetic patients. Journal of Molecular Medicine, 2022, 100, 101-113.	1.7	4
97	Analysis of the Ribonuclease A Superfamily of Antimicrobial Peptides in Patients Undergoing Chronic Peritoneal Dialysis. Scientific Reports, 2019, 9, 7753.	1.6	3
98	Patatin-like phospholipase CapV in Escherichia coli - morphological and physiological effects of one amino acid substitution. Npj Biofilms and Microbiomes, 2022, 8, 39.	2.9	3
99	Expression of Psoriasin in Human Papillomavirusâ€“Induced Cervical High-Grade Squamous Intraepithelial Lesions. Journal of Lower Genital Tract Disease, 2019, 23, 33-38.	0.9	2
100	Draft Genome Sequence of the Urinary Catheter Isolate Enterobacter ludwigii CEB04 with High Biofilm Forming Capacity. Microorganisms, 2020, 8, 522.	1.6	2
101	Bacteraemia with Escherichia coli in diabetic patients. Studies on bacterial virulence and host factors. DiabÃ¨te & MÃ©tabolisme, 1988, 14, 625-8.	0.3	2
102	A tenâ€year retrospective case series of glucocorticoid treatment of bacterial meningitis in children. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 979-982.	0.7	1
103	Antibiotic Prescribing in Connection to Childbirth: An Observational Study in Two Districts in Lao PDR. Antibiotics, 2022, 11, 448.	1.5	1
104	51 The Human Cathelicidin: Another Antimicrobial Peptide of Urinary Tract. Pediatric Research, 2004, 56, 472-472.	1.1	0