Johannes Huebner

List of Publications by Year
in descending order

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119	4,485	101384	128067
papers	citations	36 h-index	60 g-index

134	134	134	4973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	COAGULASE-NEGATIVE STAPHYLOCOCCI: Role as Pathogens. Annual Review of Medicine, 1999, 50, 223-236.	5.0	371
2	Pathogenesis and immunity in enterococcal infections. Clinical Microbiology and Infection, 2010, 16, 533-540.	2.8	205
3	Alanine Esters of Enterococcal Lipoteichoic Acid Play a Role in Biofilm Formation and Resistance to Antimicrobial Peptides. Infection and Immunity, 2006, 74, 4164-4171.	1.0	200
4	Cystic Fibrosis Sputum DNA Has NETosis Characteristics and Neutrophil Extracellular Trap Release Is Regulated by Macrophage Migration-Inhibitory Factor. Journal of Innate Immunity, 2014, 6, 765-779.	1.8	170
5	Isolation and Chemical Characterization of a Capsular Polysaccharide Antigen Shared by Clinical Isolates of Enterococcus faecalis and Vancomycin-Resistant Enterococcus faecium. Infection and Immunity, 1999, 67, 1213-1219.	1.0	127
6	Enterococcal infections: host response, therapeutic, and prophylactic possibilities. Vaccine, 2004, 22, 822-830.	1.7	126
7	Endemic Nosocomial Transmission of Staphylococcus epidermidis Bacteremia Isolates in a Neonatal Intensive Care Unit over 1O Years. Journal of Infectious Diseases, 1994, 169, 526-531.	1.9	115
8	A Putative Sugarâ€Binding Transcriptional Regulator in a Novel Gene Locus inEnterococcus faecalisContributes to Production of Biofilm and Prolonged Bacteremia in Mice. Journal of Infectious Diseases, 2004, 189, 420-430.	1.9	112
9	Accumulation of Pharmaceuticals, Enterococcus, and Resistance Genes in Soils Irrigated with Wastewater for Zero to 100 Years in Central Mexico. PLoS ONE, 2012, 7, e45397.	1.1	108
10	Opsonic Antibodies to Enterococcus faecalis Strain 12030 Are Directed against Lipoteichoic Acid. Infection and Immunity, 2006, 74, 5703-5712.	1.0	83
11	Control of multiply resistant cocci: do international comparisons help?. Lancet Infectious Diseases, The, 2001, 1, 251-261.	4.6	81
12	Wastewater Irrigation Increases the Abundance of Potentially Harmful Gammaproteobacteria in Soils in Mezquital Valley, Mexico. Applied and Environmental Microbiology, 2014, 80, 5282-5291.	1.4	80
13	Phage-mediated Dispersal of Biofilm and Distribution of Bacterial Virulence Genes Is Induced by Quorum Sensing. PLoS Pathogens, 2015, 11, e1004653.	2.1	77
14	Strong biofilm production, antibiotic multi-resistance and high gelE expression in epidemic clones of Enterococcus faecalis from orthopaedic implant infections. Biomaterials, 2008, 29, 580-586.	5.7	76
15	Glycolipids are involved in biofilm accumulation and prolonged bacteraemia in Enterococcus faecalis. Molecular Microbiology, 2009, 71, 1055-1069.	1.2	76
16	Prophylactic and Therapeutic Efficacy of Antibodies to a Capsular Polysaccharide Shared among Vancomycin-Sensitive and -Resistant Enterococci. Infection and Immunity, 2000, 68, 4631-4636.	1.0	72
17	Role of antimicrobial stewardship programmes in children: a systematic review. Journal of Hospital Infection, 2018, 99, 117-123.	1.4	66
18	Serological and Genetic Diversity of Capsular Polysaccharides in Enterococcus faecalis. Journal of Clinical Microbiology, 2004, 42, 2548-2557.	1.8	58

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19	Pediatric antibiotic stewardship: successful interventions to reduce broad-spectrum antibiotic use on general pediatric wards. Infection, 2017, 45, 493-504.	2.3	58
20	Exogenous or endogenous reservoirs of nosocomialPseudomonas aeruginosa andStaphylococcus aureus infections in a surgical intensive care unit. Intensive Care Medicine, 1993, 19, 161-165.	3.9	57
21	Role of mprF1 and mprF2 in the Pathogenicity of Enterococcus faecalis. PLoS ONE, 2012, 7, e38458.	1.1	56
22	Intra- and Interspecies Genomic Transfer of the Enterococcus faecalis Pathogenicity Island. PLoS ONE, 2011, 6, e16720.	1.1	54
23	Pyranosideâ€intoâ€Furanoside Rearrangement: New Reaction in Carbohydrate Chemistry and Its Application in Oligosaccharide Synthesis. Chemistry - A European Journal, 2014, 20, 16516-16522.	1.7	53
24	Enterococcal colonization of the gastro-intestinal tract: role of biofilm and environmental oligosaccharides. BMC Microbiology, 2006, 6, 60.	1.3	51
25	Ribotyping of Pseudomonas aeruginosa Strains Isolated from Surgical Intensive Care Patients. Journal of Infectious Diseases, 1993, 167, 1216-1220.	1.9	50
26	Comparison of Enterococcus faecium and Enterococcus faecalis Strains Isolated from Water and Clinical Samples: Antimicrobial Susceptibility and Genetic Relationships. PLoS ONE, 2013, 8, e59491.	1.1	50
27	The 2.5 Ã… Structure of the Enterococcus Conjugation Protein TraM resembles VirB8 Type IV Secretion Proteins. Journal of Biological Chemistry, 2013, 288, 2018-2028.	1.6	50
28	Natural Antibodies in Normal Human Serum Inhibit Staphylococcus aureus Capsular Polysaccharide Vaccine Efficacy. Clinical Infectious Diseases, 2012, 55, 1188-1197.	2.9	49
29	Clinical benefits of introducing real-time multiplex PCR for cerebrospinal fluid as routine diagnostic at a tertiary care pediatric center. Infection, 2019, 47, 51-58.	2.3	49
30	Novel Interactions of Glycosaminoglycans and Bacterial Glycolipids Mediate Binding of Enterococci to Human Cells. Journal of Biological Chemistry, 2009, 284, 18194-18201.	1.6	48
31	Large-Scale Screening of a Targeted Enterococcus faecalis Mutant Library Identifies Envelope Fitness Factors. PLoS ONE, 2011, 6, e29023.	1.1	46
32	Glycosaminoglycans Mediate Invasion and Survival ofEnterococcus faecalisinto Macrophages. Journal of Infectious Diseases, 2005, 191, 1253-1262.	1.9	45
33	Surface-Associated Lipoproteins Link Enterococcus faecalis Virulence to Colitogenic Activity in IL-10-Deficient Mice Independent of Their Expression Levels. PLoS Pathogens, 2015, 11, e1004911.	2.1	42
34	Deletion of the glycosyltransferase bgsB of Enterococcus faecalis leads to a complete loss of glycolipids from the cell membrane and to impaired biofilm formation. BMC Microbiology, 2011, 11, 67.	1.3	39
35	Protection Against Staphylococcus aureus by Antibody to the Polyglycerolphosphate Backbone of Heterologous Lipoteichoic Acid. Journal of Infectious Diseases, 2012, 205, 1076-1085.	1.9	38
36	Serodiversity of Opsonic Antibodies against Enterococcus faecalis â€"Glycans of the Cell Wall Revisited. PLoS ONE, 2011, 6, e17839.	1.1	38

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37	Secondary Cell Wall Polymers of Enterococcus faecalis Are Critical for Resistance to Complement Activation via Mannose-binding Lectin. Journal of Biological Chemistry, 2012, 287, 37769-37777.	1.6	37
38	Genome-wide Screening Identifies Phosphotransferase System Permease BepA to Be Involved inEnterococcus faeciumEndocarditis and Biofilm Formation. Journal of Infectious Diseases, 2016, 214, 189-195.	1.9	36
39	Distinct SagA from Hospital-Associated Clade A1 Enterococcus faecium Strains Contributes to Biofilm Formation. Applied and Environmental Microbiology, 2015, 81, 6873-6882.	1.4	35
40	A Vaccine Approach for the Prevention of Infections by Multidrug-resistant Enterococcus faecium. Journal of Biological Chemistry, 2015, 290, 19512-19526.	1.6	35
41	Identification of Peptidoglycan-Associated Proteins as Vaccine Candidates for Enterococcal Infections. PLoS ONE, 2014, 9, e111880.	1.1	34
42	Influence of architectural design on nosocomial infections in intensive care units?a prospective 2-year analysis. Intensive Care Medicine, 1989, 15, 179-183.	3.9	33
43	Synthetic Teichoic Acid Conjugate Vaccine against Nosocomial Gram-Positive Bacteria. PLoS ONE, 2014, 9, e110953.	1.1	33
44	Assessment of the multiplex PCR-based assay Unyvero pneumonia application for detection of bacterial pathogens and antibioticÂresistance genes in children and neonates. Infection, 2018, 46, 189-196.	2.3	33
45	Screening of In Vivo Activated Genes in Enterococcus faecalis during Insect and Mouse Infections and Growth in Urine. PLoS ONE, 2010, 5, e11879.	1.1	33
46	Structure of an antigenic teichoic acid shared by clinical isolates of Enterococcus faecalis and vancomycin-resistant Enterococcus faecium. Carbohydrate Research, 1999, 316, 155-160.	1.1	32
47	Outcomes of Invasive Infection due to Vancomycin-Resistant Enterococcus faecium during a Recent Outbreak. Infection, 2009, 37, 540-543.	2.3	29
48	Identification of SagA as a novel vaccine target for the prevention of Enterococcus faecium infections. Microbiology (United Kingdom), 2011, 157, 3429-3434.	0.7	28
49	Shigellemia in AIDS patients: Case report and review of the literature. Infection, 1993, 21, 122-124.	2.3	27
50	In vitro activity of vancomycin and teicoplanin againstStaphylococcus aureus andStaphylococcus epidermidis colonizing catheters. European Journal of Clinical Microbiology and Infectious Diseases, 1993, 12, 545-548.	1.3	27
51	Implant Infections Due to Enterococci: Role of Capsular Polysaccharides and Biofilm. International Journal of Artificial Organs, 2005, 28, 1079-1090.	0.7	27
52	In vitro and in vivo activity of hyperimmune globulin preparations against multiresistant nosocomial pathogens. Infection, 2015, 43, 169-175.	2.3	27
53	Water flow paths are hotspots for the dissemination of antibiotic resistance in soil. Chemosphere, 2018, 193, 1198-1206.	4.2	27
54	Clinical and Epidemiological Features of a Family Cluster of Symptomatic and Asymptomatic Severe Acute Respiratory Syndrome Coronavirus 2 Infection. Journal of the Pediatric Infectious Diseases Society, 2020, 9, 362-365.	0.6	27

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55	Definitive Structural Assessment of Enterococcal Diheteroglycan. Chemistry - A European Journal, 2015, 21, 1749-1754.	1.7	26
56	Comparison of antibiotic and acyclovir usage before and after the implementation of an on-site FilmArray meningitis/encephalitis panel in an academic tertiary pediatric hospital: a retrospective observational study. BMC Pediatrics, 2020, 20, 56.	0.7	25
57	Characterization of Two Metal Binding Lipoproteins as Vaccine Candidates for Enterococcal Infections. PLoS ONE, 2015, 10, e0136625.	1.1	25
58	Assessment of the role of antibiotics and enterococcal virulence factors in a mouse model of extraintestinal translocation. Critical Care Medicine, 2004, 32, 467-471.	0.4	23
59	Naturally Acquired Antibodies against Four Enterococcus faecalis Capsular Polysaccharides in Healthy Human Sera. Vaccine Journal, 2005, 12, 930-934.	3.2	23
60	The role of Enterococcus faecalis in orthopaedic peri-implant infections demonstrated by automated ribotyping and cluster analysis. Biomaterials, 2007, 28, 3987-3995.	5.7	23
61	Weekly SARS-CoV-2 Sentinel Surveillance in Primary Schools, Kindergartens, and Nurseries, Germany, Juneâ€'November 2020. Emerging Infectious Diseases, 2021, 27, 2192-2196.	2.0	23
62	Chemical structure of wall teichoic acid isolated from Enterococcus faecium strain U0317. Carbohydrate Research, 2011, 346, 2816-2819.	1.1	22
63	Rationale for the development of immunotherapy regimens against enterococcal infections. Vaccine, 2004, 22, S31-S38.	1.7	21
64	Enterococcal surface protein contributes to persistence in the host but is not a target of opsonic and protective antibodies in Enterococcus faecium infection. Journal of Medical Microbiology, 2010, 59, 1001-1004.	0.7	21
65	Prosthetic Valve Endocarditis due to Actinomyces neuii Successfully Treated with Antibiotic Therapy. Journal of Clinical Microbiology, 2010, 48, 1008-1011.	1.8	21
66	Treatment and prevention of enterococcal infections â€“ alternative and experimental approaches. Expert Opinion on Biological Therapy, 2004, 4, 1519-1531.	1.4	19
67	Knowledge, attitude and practice of Gambian health practitioners towards antibiotic prescribing and microbiological testing: a cross-sectional survey. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2017, 111, 117-124.	0.7	19
68	Opsonophagocytic assay as a potentially useful tool for assessing safety of enterococcal preparations. International Journal of Food Microbiology, 2003, 88, 263-267.	2.1	18
69	Surface Protein EF3314 Contributes to Virulence Properties ofEnterococcus faecalis. International Journal of Artificial Organs, 2009, 32, 611-620.	0.7	18
70	Streamlined Synthesis and Evaluation of Teichoic Acid Fragments. Chemistry - A European Journal, 2018, 24, 4014-4018.	1.7	18
71	Statistical epidemic modeling with hospital outbreak data. Statistics in Medicine, 2008, 27, 6522-6531.	0.8	17
72	Automated solid phase synthesis of teichoic acids. Chemical Communications, 2011, 47, 8961.	2.2	17

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73	The structure of the wall teichoic acid isolated from Enterococcus faecalis strain 12030. Carbohydrate Research, 2012, 354, 106-109.	1.1	17
74	In Vitro Activity of Sodium Bisulfite and Heparin against Staphylococci: New Strategies in the Treatment of Catheter-Related Infection. Journal of Infectious Diseases, 1993, 168, 235-237.	1.9	16
75	Light fluorous synthesis of glucosylated glycerol teichoic acids. Carbohydrate Research, 2012, 356, 142-151.	1.1	16
76	Synthesis of E. faecium wall teichoic acid fragments. Bioorganic and Medicinal Chemistry, 2016, 24, 3893-3907.	1.4	16
77	Antibiotic use on paediatric inpatients in a teaching hospital in the Gambia, a retrospective study. Antimicrobial Resistance and Infection Control, 2018, 7, 82.	1.5	16
78	Cross-sectional seroprevalence surveys of SARS-CoV-2 antibodies in children in Germany, June 2020 to May 2021. Nature Communications, 2022, 13, .	5.8	16
79	Influence of a 23S ribosomal RNA mutation in Helicobacter pylori strains on the in vitro synergistic effect of clarithromycin and amoxicillin. BMC Research Notes, 2012, 5, 603.	0.6	15
80	A Novel Role for D-Alanylation of Lipoteichoic Acid of Enterococcus faecalis in Urinary Tract Infection. PLoS ONE, 2014, 9, e107827.	1.1	15
81	Conjugation of Different Immunogenic Enterococcal Vaccine Target Antigens Leads to Extended Strain Coverage. Journal of Infectious Diseases, 2019, 220, 1589-1598.	1.9	13
82	The N-terminal domain of the thermo-regulated surface protein PrpA of Enterococcus faecium binds to fibrinogen, fibronectin and platelets. Scientific Reports, 2016, 5, 18255.	1.6	12
83	Synthetic Oligomers Mimicking Capsular Polysaccharide Diheteroglycan are Potential Vaccine Candidates against Encapsulated Enterococcal Infections. ACS Infectious Diseases, 2020, 6, 1816-1826.	1.8	12
84	Cell-Wall Glycolipid Mutations and Their Effects on Virulence of E. faecalis in a Rat Model of Infective Endocarditis. PLoS ONE, 2014, 9, e91863.	1.1	12
85	Isolation of Highly Active Monoclonal Antibodies against Multiresistant Gram-Positive Bacteria. PLoS ONE, 2015, 10, e0118405.	1.1	12
86	In vitro Susceptibility of Methicillin-Resistant Staphylococcus aureus and Slime-Producing and Non-Slime-Producing Coagulase-Negative Staphylococci to Fusidic Acid. Chemotherapy, 1992, 38, 206-210.	0.8	11
87	Role of Glycolipids in the Pathogenesis of Enterococcus faecalis Urinary Tract Infection. PLoS ONE, 2014, 9, e96295.	1.1	11
88	SARS-CoV-2 Triggering Severe Acute Respiratory Distress Syndrome and Secondary Hemophagocytic Lymphohistiocytosis in a 3-Year-Old Child With Down Syndrome. Journal of the Pediatric Infectious Diseases Society, 2021, 10, 543-546.	0.6	11
89	Measures to maintain regular operations and prevent outbreaks of SARS-CoV-2 in childcare facilities or schools under pandemic conditions and co-circulation of other respiratory pathogens. GMS Hygiene and Infection Control, 2020, 15, Doc22.	0.2	11
90	In vitro Assessment of the Host Response against Enterococcus faecalis Used in Probiotic Preparations. Infection, 2005, 33, 377-379.	2.3	10

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91	Targeting Type IV Secretion System Proteins to Combat Multidrug-Resistant Gram-positive Pathogens. Journal of Infectious Diseases, 2017, 215, 1836-1845.	1.9	10
92	Advances and Prospects in Vaccine Development against Enterococci. Cells, 2020, 9, 2397.	1.8	10
93	The type IV secretion protein TraK from theEnterococcusconjugative plasmid pIP501 exhibits a novel fold. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 1124-1135.	2.5	9
94	Glycolipids are involved in biofilm accumulation and prolonged bacteremia inEnterococcus faecalis. Molecular Microbiology, 2009, , .	1.2	9
95	Enterococcus faecalis Glycolipids Modulate Lipoprotein-Content of the Bacterial Cell Membrane and Host Immune Response. PLoS ONE, 2015, 10, e0132949.	1.1	8
96	Deficits in knowledge, attitude, and practice towards blood culture sampling: results of a nationwide mixed-methods study among inpatient care physicians in Germany. Infection, 2017, 45, 433-441.	2.3	8
97	Distribution of Four Capsular Serotypes of Enterococcus faecalis among Clinical Isolates from Different Geographical Origins and Infection Sites. Infection, 2006, 34, 22-25.	2.3	7
98	Immunochemical characterization of polysaccharide antigens from six clinical strains of Enterococci. BMC Microbiology, 2006, 6, 62.	1.3	7
99	Environmental Contamination as an Important Route for the Transmission of the Hospital Pathogen VRE: Modeling and Prediction of Classical Interventions. Infectious Diseases: Research and Treatment, 2008, 1, IDRT.S809.	0.7	7
100	Pediatric Antibiotic Stewardship. Pediatric Infectious Disease Journal, 2021, 40, 556-562.	1.1	6
101	Deletion of fabN in Enterococcus faecalis results in unsaturated fatty acid auxotrophy and decreased release of inflammatory cytokines. Innate Immunity, 2016, 22, 284-293.	1.1	5
102	Pott's disease: a major issue for an unaccompanied refugee minor. Thorax, 2017, 72, 282-283.	2.7	5
103	Evaluation of the multiplex PCR based assay Unyvero implant and tissue infection application for pathogen and antibiotic resistance gene detection in children and neonates. Infection, 2019, 47, 195-200.	2.3	5
104	Epidemiological and genetic characteristics of vancomycin-resistant Enterococcus faecium isolates in a University Children's Hospital in Germany: 2019 to 2020. Antimicrobial Resistance and Infection Control, 2022, 11, 48.	1.5	5
105	Development of Opsonic Mouse Monoclonal Antibodies against Multidrug-Resistant Enterococci. Infection and Immunity, 2019, 87, .	1.0	4
106	Epitope Recognition of a Monoclonal Antibody Raised against a Synthetic Glycerol Phosphate Based Teichoic Acid. ACS Chemical Biology, 2021, 16, 1344-1349.	1.6	4
107	Feasibility and Diagnostic Accuracy of Saliva-Based SARS-CoV-2 Screening in Educational Settings and Children Aged <12 Years. Diagnostics, 2021, 11, 1797.	1.3	4
108	Generation of glucosylated sn-1-glycerolphosphate teichoic acids: glycerol stereochemistry affects synthesis and antibody interaction. RSC Chemical Biology, 2021, 2, 187-191.	2.0	4

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109	Cave Enterococcum!. International Journal of Artificial Organs, 2007, 30, 852-853.	0.7	3
110	Detection of opsonic antibodies against Enterococcus faecalis cell wall carbohydrates in immune globulin preparations. Infection, 2014, 42, 749-755.	2.3	3
111	Antimicrobial Use in Pediatric Oncology and Hematology: Protocol for a Multicenter Point-Prevalence Study With Qualitative Expert Panel Assessment. JMIR Research Protocols, 2022, 11, e35774.	0.5	3
112	Analysis of the Specific Immune Response against Capsular Polysaccharides of Two Patients with Systemic Enterococcal Infections. Infection, 2005, 33, 373-376.	2.3	2
113	Meeting summary. Vaccine, 2004, 22, 801-804.	1.7	1
114	P1799 Antibodies against LTA isolated from E. faecalis 12030 recog-nize LTA from heterologous enterococcal strains but mediate opsonophagocytic killing only to CPS-A and CPS-B strains. International Journal of Antimicrobial Agents, 2007, 29, S512.	1.1	1
115	Sa1752 Colitogenic Activity of Enterococcus Faecalis Requires Lipoprotein-Mediated Activation of Innate Immune Effector Functions in IL-10-/-Mice. Gastroenterology, 2014, 146, S-288.	0.6	0
116	A retrospective analysis of paediatric inpatient data on antibiotic use in a teaching hospital in The Gambia. Gesundheitswesen, 2017, 79, .	0.8	0
117	Opportunities for Antibiotic Stewardship Interventions in a Pediatric Hospital. Journal of Pediatric Infectious Diseases, 2022, 17, 083-089.	0.1	0
118	Evaluating current practice and knowledge about antibiotic stewardship principles in paediatric tertiary hospitals to identify target areas for future teaching activities. Infection, 2022, , 1.	2.3	0
119	Molecular Assessment of Staphylococcus Aureus Strains in STAT3 Hyper-IgE Syndrome Patients. Journal of Clinical Immunology, 0, , .	2.0	0