Holger Rohde

List of Publications by Year
in descending order

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97	5,521	117625	85541
papers	citations	34 h-index	71 g-index

103	103	103	6776
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polysaccharide intercellular adhesin or protein factors in biofilm accumulation of Staphylococcus epidermidis and Staphylococcus aureus isolated from prosthetic hip and knee joint infections. Biomaterials, 2007, 28, 1711-1720.	11.4	411
2	Open-Source Genomic Analysis of Shiga-Toxinâ€“ProducingE. coliO104:H4. New England Journal of Medicine, 2011, 365, 718-724.	27.0	392
3	Induction ofStaphylococcus epidermidisbiofilm formation via proteolytic processing of the accumulation-associated protein by staphylococcal and host proteases. Molecular Microbiology, 2005, 55, 1883-1895.	2.5	354
4	A Culture-Independent Sequence-Based Metagenomics Approach to the Investigation of an Outbreak of Shiga-Toxigenic Escherichia coli O104:H4. JAMA - Journal of the American Medical Association, 2013, 309, 1502.	7.4	290
5	Rapid Identification of Bacteria from Positive Blood Culture Bottles by Use of Matrix-Assisted Laser Desorption-Ionization Time of Flight Mass Spectrometry Fingerprinting. Journal of Clinical Microbiology, 2010, 48, 1584-1591.	3.9	260
6	Structure, function and contribution of polysaccharide intercellular adhesin (PIA) to Staphylococcus epidermidis biofilm formation and pathogenesis of biomaterial-associated infections. European Journal of Cell Biology, 2010, 89, 103-111.	3.6	235
7	MALDI-TOF MS fingerprinting allows for discrimination of major methicillin-resistant Staphylococcus aureus lineages. International Journal of Medical Microbiology, 2011, 301, 64-68.	3.6	219
8	The giant extracellular matrix-binding protein ofStaphylococcus epidermidismediates biofilm accumulation and attachment to fibronectin. Molecular Microbiology, 2010, 75, 187-207.	2.5	212
9	Structural basis of Staphylococcus epidermidis biofilm formation: mechanisms and molecular interactions. Frontiers in Cellular and Infection Microbiology, 2015, 5, 14.	3.9	163
10	Staphylococcus epidermidis Uses Distinct Mechanisms of Biofilm Formation To Interfere with Phagocytosis and Activation of Mouse Macrophage-Like Cells 774A.1. Infection and Immunity, 2011, 79, 2267-2276.	2.2	152
11	Staphylococcal Biofilm Exopolysaccharide Protects against Caenorhabditis elegans Immune Defenses. PLoS Pathogens, 2007, 3, e57.	4.7	146
12	Antagonism between Staphylococcus epidermidis and Propionibacterium acnes and its genomic basis. BMC Genomics, 2016, 17, 152.	2.8	131
13	RsbU-Dependent Regulation of Staphylococcus epidermidis Biofilm Formation Is Mediated via the Alternative Sigma Factor Ï ƒ B by Repression of the Negative Regulator Gene icaR. Infection and Immunity, 2004, 72, 3838-3848.	2.2	129
14	Detection of Virulence-Associated Genes Not Useful for Discriminating between Invasive and Commensal Staphylococcus epidermidis Strains from a Bone Marrow Transplant Unit. Journal of Clinical Microbiology, 2004, 42, 5614-5619.	3.9	126
15	Disease-associated genotypes of the commensal skin bacterium Staphylococcus epidermidis. Nature Communications, 2018, 9, 5034.	12.8	115
16	Advances in Rapid Identification and Susceptibility Testing of Bacteria in the Clinical Microbiology Laboratory: Implications for Patient Care and Antimicrobial Stewardship Programs. Gastroenterology Insights, 2017, 9, 6839.	1.2	113
17	Accumulation-Associated Protein Enhances Staphylococcus epidermidis Biofilm Formation under Dynamic Conditions and Is Required for Infection in a Rat Catheter Model. Infection and Immunity, 2015, 83, 214-226.	2.2	109
18	Staphylococcus epidermidis agr Quorum-Sensing System: Signal Identification, Cross Talk, and Importance in Colonization. Journal of Bacteriology, 2014, 196, 3482-3493.	2.2	101

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19	A multicentre cohort study on colonization and infection with ESBL-producing Enterobacteriaceae in high-risk patients with haematological malignancies. Journal of Antimicrobial Chemotherapy, 2014, 69, 3387-3392.	3.0	84
20	Rapid MALDI-TOF Mass Spectrometry Strain Typing during a Large Outbreak of Shiga-Toxigenic Escherichia coli. PLoS ONE, 2014, 9, e101924.	2.5	84
21	[20] Genetic and biochemical analysis of Staphylococcus epidermidis biofilm accumulation. Methods in Enzymology, 2001, 336, 215-239.	1.0	80
22	Emergence of coagulase-negative staphylococci. Expert Review of Anti-Infective Therapy, 2020, 18, 349-366.	4.4	74
23	Localized Tufts of Fibrils on Staphylococcus epidermidis NCTC 11047 Are Comprised of the Accumulation-Associated Protein. Journal of Bacteriology, 2007, 189, 2793-2804.	2.2	73
24	Rapid Metagenomic Diagnostics for Suspected Outbreak of Severe Pneumonia. Emerging Infectious Diseases, 2014, 20, 1072-1075.	4.3	61
25	Pathogen-induced tissue-resident memory T _H 17 (T _{RM} 17) cells amplify autoimmune kidney disease. Science Immunology, 2020, 5, .	11.9	58
26	Nasal commensal Staphylococcus epidermidis counteracts influenza virus. Scientific Reports, 2016, 6, 27870.	3.3	57
27	Selection of Nanobodies that Block the Enzymatic and Cytotoxic Activities of the Binary Clostridium Difficile Toxin CDT. Scientific Reports, 2015, 5, 7850.	3.3	55
28	Carbapenem-resistant Gram-negative pathogens in a German university medical center: Prevalence, clinical implications and the role of novel Î²-lactam/Î²-lactamase inhibitor combinations. PLoS ONE, 2018, 13, e0195757.	2.5	54
29	<scp>sarA</scp> negatively regulates <scp>S</scp>taphylococcus epidermidis biofilm formation by modulating expression of 1â€‰<scp>MDa</scp> extracellular matrix binding protein and autolysisâ€dependent release of <scp>eDNA</scp>. Molecular Microbiology, 2012, 86, 394-410.	2.5	51
30	The metalloprotease <scp>S</scp>ep<scp>A</scp> governs processing of accumulationâ€associated protein and shapes intercellular adhesive surface properties in <scp>S</scp>taphylococcus epidermidis. Molecular Microbiology, 2017, 103, 860-874.	2.5	50
31	Biofilm Morphotypes and Population Structure among Staphylococcus epidermidis from Commensal and Clinical Samples. PLoS ONE, 2016, 11, e0151240.	2.5	49
32	Usefulness of BioFire FilmArray BCID2 for Blood Culture Processing in Clinical Practice. Journal of Clinical Microbiology, 2021, 59, e0054321.	3.9	42
33	Distinct clonal lineages and within-host diversification shape invasive Staphylococcus epidermidis populations. PLoS Pathogens, 2021, 17, e1009304.	4.7	41
34	Emergence of daptomycin non-susceptibility in colonizing vancomycin-resistant Enterococcus faecium isolates during daptomycin therapy. International Journal of Medical Microbiology, 2015, 305, 902-909.	3.6	40
35	Versatility of Biofilm Matrix Molecules in Staphylococcus epidermidis Clinical Isolates and Importance of Polysaccharide Intercellular Adhesin Expression during High Shear Stress. MSphere, 2016, 1, .	2.9	39
36	Does galactomannan testing increase diagnostic accuracy for IPA in the ICU? A prospective observational study. Critical Care, 2016, 20, 139.	5.8	39

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37	Epidemiology, clinical characteristics, and outcome of candidemia in critically ill patients in Germany: a single-center retrospective 10-year analysis. Annals of Intensive Care, 2020, 10, 142.	4.6	39
38	Staphylococcus epidermidis clones express Staphylococcus aureus-type wall teichoic acid to shift from a commensal to pathogen lifestyle. Nature Microbiology, 2021, 6, 757-768.	13.3	37
39	Identification of the Shiga Toxin-Producing Escherichia coli O104:H4 Strain Responsible for a Food Poisoning Outbreak in Germany by PCR. Journal of Clinical Microbiology, 2011, 49, 3439-3440.	3.9	35
40	Disintegration of Staphylococcus epidermidis Biofilms under Glucose-Limiting Conditions Depends on the Activity of the Alternative Sigma Factor Ïƒ B. Applied and Environmental Microbiology, 2005, 71, 5577-5581.	3.1	33
41	Pathogenesis of staphylococcal device-related infections: from basic science to new diagnostic, therapeutic and prophylactic approaches. Reviews in Medical Microbiology, 2006, 17, 45-54.	0.9	33
42	Staphylococcus epidermidis in Biomaterial-Associated Infections. , 2013, , 25-56.		29
43	Ultra-dense polymer brush coating reduces Staphylococcus epidermidis biofilms on medical implants and improves antibiotic treatment outcome. Acta Biomaterialia, 2018, 76, 46-55.	8.3	29
44	Bacteriophage Rescue Therapy of a Vancomycin-Resistant Enterococcus faecium Infection in a One-Year-Old Child following a Third Liver Transplantation. Viruses, 2021, 13, 1785.	3.3	29
45	An 18 kDa Scaffold Protein Is Critical for Staphylococcus epidermidis Biofilm Formation. PLoS Pathogens, 2015, 11, e1004735.	4.7	28
46	Emergence of linezolid-resistance in vancomycin-resistant Enterococcus faecium ST117 associated with increased linezolid-consumption. International Journal of Medical Microbiology, 2021, 311, 151477.	3.6	28
47	Sub-inhibitory tigecycline concentrations induce extracellular matrix binding protein Embp dependent Staphylococcus epidermidis biofilm formation and immune evasion. International Journal of Medical Microbiology, 2016, 306, 471-478.	3.6	27
48	Usability of rectal swabs for microbiome sampling in a cohort study of hematological and oncological patients. PLoS ONE, 2019, 14, e0215428.	2.5	26
49	Genetic engineering of untransformable coagulase-negative staphylococcal pathogens. Nature Protocols, 2016, 11, 949-959.	12.0	25
50	Efficacy of introducing a checklist to reduce central venous line associated bloodstream infections in the ICU caring for adult patients. BMC Infectious Diseases, 2018, 18, 267.	2.9	25
51	Growth of Cutibacterium acnes is common on osteosynthesis material of the shoulder in patients without signs of infection. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 89, 580-584.	3.3	23
52	Implementation of the FilmArray ME panel in laboratory routine using a simple sample selection strategy for diagnosis of meningitis and encephalitis. BMC Infectious Diseases, 2020, 20, 170.	2.9	22
53	EUCAST rapid antimicrobial susceptibility testing (RAST): analytical performance and impact on patient management. Journal of Antimicrobial Chemotherapy, 2021, 76, 1332-1338.	3.0	19
54	Influence of microbiological diagnosis on the clinical course of spondylodiscitis. Infection, 2021, 49, 1017-1027.	4.7	19

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55	Identification of Kosakonia cowanii as a rare cause of acute cholecystitis: case report and review of the literature. BMC Infectious Diseases, 2020, 20, 366.	2.9	18
56	The Emerging Role of Iron Acquisition in Biofilm-Associated Infections. Trends in Microbiology, 2021, 29, 772-775.	7.7	18
57	Impact of non-transferrin-bound iron (NTBI) in comparison to serum ferritin on outcome after allogeneic stem cell transplantation (ASCT). Annals of Hematology, 2017, 96, 1379-1388.	1.8	17
58	Cefiderocol in Critically Ill Patients with Multi-Drug Resistant Pathogens: Real-Life Data on Pharmacokinetics and Microbiological Surveillance. Antibiotics, 2021, 10, 649.	3.7	17
59	Aspergillosis: Emerging risk groups in critically ill patients. Medical Mycology, 2021, 60, .	0.7	17
60	Challenges in treatment of patients with acute leukemia and COVID-19: a series of 12 patients. Blood Advances, 2020, 4, 5936-5941.	5.2	16
61	First report of Escherichia coli co-producing NDM-1 and OXA-232. Diagnostic Microbiology and Infectious Disease, 2016, 86, 437-438.	1.8	15
62	Epidemiology, variable genetic organization and regulation of the EDIN-B toxin in Staphylococcus aureus from bacteraemic patients. Microbiology (United Kingdom), 2010, 156, 860-872.	1.8	12
63	Host factors abolish the need for polysaccharides and extracellular matrix-binding protein in Staphylococcus epidermidis biofilm formation. Journal of Medical Microbiology, 2021, 70, .	1.8	12
64	Th17 cell plasticity towards a T-bet-dependent Th1 phenotype is required for bacterial control in Staphylococcus aureus infection. PLoS Pathogens, 2022, 18, e1010430.	4.7	12
65	Effects of polysaccharide intercellular adhesin (PIA) in an ex vivo model of whole blood killing and in prosthetic joint infection (PJI): A role for C5a. International Journal of Medical Microbiology, 2015, 305, 948-956.	3.6	11
66	Limitations in the use of PSMÎ³, agr , RNAIII, and biofilm formation as biomarkers to define invasive Staphylococcus epidermidis from chronic biomedical device-associated infections. International Journal of Medical Microbiology, 2017, 307, 382-387.	3.6	10
67	Emergence of carbapenemases in Gram-negative bacteria in Hamburg, Germany. Diagnostic Microbiology and Infectious Disease, 2011, 71, 312-315.	1.8	9
68	Screening and contact precautions â€“ A survey on infection control measures for multidrug-resistant bacteria in German university hospitals. Antimicrobial Resistance and Infection Control, 2017, 6, 37.	4.1	9
69	A Giant Extracellular Matrix Binding Protein of Staphylococcus epidermidis Binds Surface-Immobilized Fibronectin via a Novel Mechanism. MBio, 2020, 11, .	4.1	9
70	Fighting Staphylococcus epidermidis Biofilm-Associated Infections: Can Iron Be the Key to Success?. Frontiers in Cellular and Infection Microbiology, 2021, 11, 798563.	3.9	9
71	Controlling intestinal colonization of high-risk haematology patients with ESBL-producing Enterobacteriaceae: a randomized, placebo-controlled, multicentre, Phase II trial (CLEAR). Journal of Antimicrobial Chemotherapy, 2019, 74, 2065-2074.	3.0	8
72	Soluble plasma VE-cadherin concentrations are elevated in patients with STEC infection and haemolytic uraemic syndrome: a case-control study. BMJ Open, 2015, 5, e005659-e005659.	1.9	7

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73	Performance of the BD Phoenix CPO detect assay for detection and classification of carbapenemase-producing organisms. European Journal of Clinical Microbiology and Infectious Diseases, 2021, 40, 979-985.	2.9	7
74	Involvement of the Iron-Regulated Loci hts and fhuC in Biofilm Formation and Survival of Staphylococcus epidermidis within the Host. Microbiology Spectrum, 2022, 10, e0216821.	3.0	7
75	Evaluation of a syndromic panel polymerase chain reaction (spPCR) assay for the diagnosis of deviceâ€associated bone and joint infections (BJI). International Journal of Infectious Diseases, 2022, 116, 283-288.	3.3	7
76	Two-tier approach combining molecular and culture-based techniques for optimized detection of vancomycin-resistant enterococci. Diagnostic Microbiology and Infectious Disease, 2017, 89, 253-257.	1.8	6
77	Rapid identification of the vanA/vanB resistance determinant in Enterococcus sp. from blood cultures using the Cepheid Xpert vanA/vanB cartridge system. Diagnostic Microbiology and Infectious Disease, 2020, 96, 114977.	1.8	6
78	Comparison of four diagnostic criteria for invasive pulmonary aspergillosisâ€"A diagnostic accuracy study in critically ill patients. Mycoses, 2022, 65, 824-833.	4.0	6
79	Risk factors for excessively prolonged meropenem use in the intensive care setting: a case-control study. BMC Infectious Diseases, 2017, 17, 131.	2.9	5
80	Antimicrobial lubricant reduces rectal bacteria at transrectal prostate biopsy: results from a prospective randomized trial. World Journal of Urology, 2018, 36, 871-876.	2.2	5
81	Clostridium difficile infection after pediatric solid organ transplantation: a practical single-center experience. Pediatric Nephrology, 2019, 34, 1269-1275.	1.7	5
82	Population dynamics in colonizing vancomycin-resistant Enterococcus faecium isolated from immunosuppressed patients. Journal of Global Antimicrobial Resistance, 2022, 28, 267-273.	2.2	5
83	Siderophore-Mediated Iron Acquisition Plays a Critical Role in Biofilm Formation and Survival of Staphylococcus epidermidis Within the Host. Frontiers in Medicine, 2021, 8, 799227.	2.6	5
84	The Staphylococcus epidermidis Transcriptional Profile During Carriage. Frontiers in Microbiology, 2022, 13, 896311.	3.5	5
85	Insufficient sensitivity of laser desorption-time of flight mass spectrometry-based detection of hemozoin for malaria screening. Journal of Microbiological Methods, 2019, 160, 104-106.	1.6	4
86	Structural basis to repurpose boron-based proteasome inhibitors Bortezomib and Ixazomib as Î²-lactamase inhibitors. Scientific Reports, 2022, 12, 5510.	3.3	4
87	Staphylococcus epidermidis-Derived Protease Esp Mediates Proteolytic Activation of Proâ€'IL-1Î² in Human Keratinocytes. Journal of Investigative Dermatology, 2022, 142, 2756-2765.e8.	0.7	4
88	Temporal Changes in Patient-Matched Staphylococcus epidermidis Isolates from Infections: towards Defining a â€˜Trueâ€™ Persistent Infection. Microorganisms, 2020, 8, 1508.	3.6	2
89	Clinical evaluation of a laboratory-developed quantitative BK virus-PCR assay using the cobasÂ® omni Utility Channel. Journal of Virological Methods, 2021, 290, 114093.	2.1	2
90	Markers of neutrophil activation and extracellular trap formation predict appendicitis. Surgery, 2022, 171, 312-319.	1.9	2

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91	Efficacy of Tigecycline as Salvage Therapy in Multidrug-Resistant Febrile Neutropenia in Patients with Acute Leukemiaâ€"A Single Center Analysis. Antibiotics, 2022, 11, 128.	3.7	2
92	German Multicenter Study Analyzing Antimicrobial Activity of Ceftazidime-Avibactam of Clinical Meropenem-Resistant Pseudomonas aeruginosa Isolates Using a Commercially Available Broth Microdilution Assay. Antibiotics, 2022, 11, 545.	3.7	2
93	Influence of local epidemiology on the performance of common colistin drug susceptibility testing methods. PLoS ONE, 2019, 14, e0217468.	2.5	1
94	Performance of a loop-mediated isothermal amplification assay (Isoplex CRE-ART) to detect common carbapenemase-encoding genes in Gram-negative bacteria. Journal of Medical Microbiology, 2021, 70, .	1.8	1
95	Diagnostic Utility of Bronchoalveolar Lavage in Patients with Acute Leukemia under Broad-Spectrum Anti-Infective Treatment. Cancers, 2022, 14, 2773.	3.7	1
96	Screening for Schistosoma spp. and Leishmania spp. DNA in Serum of Ghanaian Patients with Acquired Immunodeficiency. Pathogens, 2022, 11, 760.	2.8	1
97	Reply to Tison and Saraux. Clinical Infectious Diseases, 2019, 69, 905-905.	5.8	0