

# Holger Rohde

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

5,521  
citations

117625

34  
h-index

85541

71  
g-index

103  
all docs

103  
docs citations

103  
times ranked

6776  
citing authors

#	ARTICLE	IF	CITATIONS
1	Markers of neutrophil activation and extracellular trap formation predict appendicitis. <i>Surgery</i> , 2022, 171, 312-319.	1.9	2
2	Involvement of the Iron-Regulated Loci <i>ihcA</i> and <i>fhuC</i> in Biofilm Formation and Survival of <i>Staphylococcus epidermidis</i> within the Host. <i>Microbiology Spectrum</i> , 2022, 10, e0216821.	3.0	7
3	Efficacy of Tigecycline as Salvage Therapy in Multidrug-Resistant Febrile Neutropenia in Patients with Acute Leukemia—A Single Center Analysis. <i>Antibiotics</i> , 2022, 11, 128.	3.7	2
4	Evaluation of a syndromic panel polymerase chain reaction (spPCR) assay for the diagnosis of device-associated bone and joint infections (BJI). <i>International Journal of Infectious Diseases</i> , 2022, 116, 283-288.	3.3	7
5	Population dynamics in colonizing vancomycin-resistant <i>Enterococcus faecium</i> isolated from immunosuppressed patients. <i>Journal of Global Antimicrobial Resistance</i> , 2022, 28, 267-273.	2.2	5
6	Structural basis to repurpose boron-based proteasome inhibitors Bortezomib and Ixazomib as $\beta$ -lactamase inhibitors. <i>Scientific Reports</i> , 2022, 12, 5510.	3.3	4
7	German Multicenter Study Analyzing Antimicrobial Activity of Ceftazidime-Avibactam of Clinical Meropenem-Resistant <i>Pseudomonas aeruginosa</i> Isolates Using a Commercially Available Broth Microdilution Assay. <i>Antibiotics</i> , 2022, 11, 545.	3.7	2
8	Th17 cell plasticity towards a T-bet-dependent Th1 phenotype is required for bacterial control in <i>Staphylococcus aureus</i> infection. <i>PLoS Pathogens</i> , 2022, 18, e1010430.	4.7	12
9	<i>Staphylococcus epidermidis</i> -Derived Protease Esp Mediates Proteolytic Activation of Pro-IL-1 $\beta$ in Human Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2756-2765.e8.	0.7	4
10	The <i>Staphylococcus epidermidis</i> Transcriptional Profile During Carriage. <i>Frontiers in Microbiology</i> , 2022, 13, 896311.	3.5	5
11	Comparison of four diagnostic criteria for invasive pulmonary aspergillosis—A diagnostic accuracy study in critically ill patients. <i>Mycoses</i> , 2022, 65, 824-833.	4.0	6
12	Diagnostic Utility of Bronchoalveolar Lavage in Patients with Acute Leukemia under Broad-Spectrum Anti-Infective Treatment. <i>Cancers</i> , 2022, 14, 2773.	3.7	1
13	Screening for <i>Schistosoma</i> spp. and <i>Leishmania</i> spp. DNA in Serum of Ghanaian Patients with Acquired Immunodeficiency. <i>Pathogens</i> , 2022, 11, 760.	2.8	1
14	Performance of the BD Phoenix CPO detect assay for detection and classification of carbapenemase-producing organisms. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 979-985.	2.9	7
15	Distinct clonal lineages and within-host diversification shape invasive <i>Staphylococcus epidermidis</i> populations. <i>PLoS Pathogens</i> , 2021, 17, e1009304.	4.7	41
16	EUCAST rapid antimicrobial susceptibility testing (RAST): analytical performance and impact on patient management. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1332-1338.	3.0	19
17	Emergence of linezolid-resistance in vancomycin-resistant <i>Enterococcus faecium</i> ST117 associated with increased linezolid-consumption. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151477.	3.6	28
18	Host factors abolish the need for polysaccharides and extracellular matrix-binding protein in <i>Staphylococcus epidermidis</i> biofilm formation. <i>Journal of Medical Microbiology</i> , 2021, 70, .	1.8	12

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19	Clinical evaluation of a laboratory-developed quantitative BK virus-PCR assay using the cobas® omni Utility Channel. <i>Journal of Virological Methods</i> , 2021, 290, 114093.	2.1	2
20	Cefiderocol in Critically Ill Patients with Multi-Drug Resistant Pathogens: Real-Life Data on Pharmacokinetics and Microbiological Surveillance. <i>Antibiotics</i> , 2021, 10, 649.	3.7	17
21	<i>Staphylococcus epidermidis</i> clones express <i>Staphylococcus aureus</i> -type wall teichoic acid to shift from a commensal to pathogen lifestyle. <i>Nature Microbiology</i> , 2021, 6, 757-768.	13.3	37
22	Performance of a loop-mediated isothermal amplification assay (Isoplex CRE-ART) to detect common carbapenemase-encoding genes in Gram-negative bacteria. <i>Journal of Medical Microbiology</i> , 2021, 70, .	1.8	1
23	Influence of microbiological diagnosis on the clinical course of spondylodiscitis. <i>Infection</i> , 2021, 49, 1017-1027.	4.7	19
24	Usefulness of BioFire FilmArray BCID2 for Blood Culture Processing in Clinical Practice. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0054321.	3.9	42
25	The Emerging Role of Iron Acquisition in Biofilm-Associated Infections. <i>Trends in Microbiology</i> , 2021, 29, 772-775.	7.7	18
26	Bacteriophage Rescue Therapy of a Vancomycin-Resistant <i>Enterococcus faecium</i> Infection in a One-Year-Old Child following a Third Liver Transplantation. <i>Viruses</i> , 2021, 13, 1785.	3.3	29
27	Aspergillosis: Emerging risk groups in critically ill patients. <i>Medical Mycology</i> , 2021, 60, .	0.7	17
28	Fighting <i>Staphylococcus epidermidis</i> Biofilm-Associated Infections: Can Iron Be the Key to Success?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 798563.	3.9	9
29	Siderophore-Mediated Iron Acquisition Plays a Critical Role in Biofilm Formation and Survival of <i>Staphylococcus epidermidis</i> Within the Host. <i>Frontiers in Medicine</i> , 2021, 8, 799227.	2.6	5
30	Rapid identification of the vanA/vanB resistance determinant in <i>Enterococcus</i> sp. from blood cultures using the Cepheid Xpert vanA/vanB cartridge system. <i>Diagnostic Microbiology and Infectious Disease</i> , 2020, 96, 114977.	1.8	6
31	Pathogen-induced tissue-resident memory T <sub>H</sub> 17 (T <sub>RM</sub> 17) cells amplify autoimmune kidney disease. <i>Science Immunology</i> , 2020, 5, .	11.9	58
32	Temporal Changes in Patient-Matched <i>Staphylococcus epidermidis</i> Isolates from Infections: towards Defining a "True" Persistent Infection. <i>Microorganisms</i> , 2020, 8, 1508.	3.6	2
33	Challenges in treatment of patients with acute leukemia and COVID-19: a series of 12 patients. <i>Blood Advances</i> , 2020, 4, 5936-5941.	5.2	16
34	A Giant Extracellular Matrix Binding Protein of <i>Staphylococcus epidermidis</i> Binds Surface-Immobilized Fibronectin via a Novel Mechanism. <i>MBio</i> , 2020, 11, .	4.1	9
35	Identification of <i>Kosakonia cowanii</i> as a rare cause of acute cholecystitis: case report and review of the literature. <i>BMC Infectious Diseases</i> , 2020, 20, 366.	2.9	18
36	Implementation of the FilmArray ME panel in laboratory routine using a simple sample selection strategy for diagnosis of meningitis and encephalitis. <i>BMC Infectious Diseases</i> , 2020, 20, 170.	2.9	22

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37	Emergence of coagulase-negative staphylococci. <i>Expert Review of Anti-Infective Therapy</i> , 2020, 18, 349-366.	4.4	74
38	Epidemiology, clinical characteristics, and outcome of candidemia in critically ill patients in Germany: a single-center retrospective 10-year analysis. <i>Annals of Intensive Care</i> , 2020, 10, 142.	4.6	39
39	Influence of local epidemiology on the performance of common colistin drug susceptibility testing methods. <i>PLoS ONE</i> , 2019, 14, e0217468.	2.5	1
40	Reply to Tison and Saraux. <i>Clinical Infectious Diseases</i> , 2019, 69, 905-905.	5.8	0
41	Controlling intestinal colonization of high-risk haematology patients with ESBL-producing Enterobacteriaceae: a randomized, placebo-controlled, multicentre, Phase II trial (CLEAR). <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 2065-2074.	3.0	8
42	Usability of rectal swabs for microbiome sampling in a cohort study of hematological and oncological patients. <i>PLoS ONE</i> , 2019, 14, e0215428.	2.5	26
43	Insufficient sensitivity of laser desorption-time of flight mass spectrometry-based detection of hemozoin for malaria screening. <i>Journal of Microbiological Methods</i> , 2019, 160, 104-106.	1.6	4
44	<i>Clostridium difficile</i> infection after pediatric solid organ transplantation: a practical single-center experience. <i>Pediatric Nephrology</i> , 2019, 34, 1269-1275.	1.7	5
45	Antimicrobial lubricant reduces rectal bacteria at transrectal prostate biopsy: results from a prospective randomized trial. <i>World Journal of Urology</i> , 2018, 36, 871-876.	2.2	5
46	Disease-associated genotypes of the commensal skin bacterium <i>Staphylococcus epidermidis</i> . <i>Nature Communications</i> , 2018, 9, 5034.	12.8	115
47	Carbapenem-resistant Gram-negative pathogens in a German university medical center: Prevalence, clinical implications and the role of novel $\beta$ -lactam/ $\beta$ -lactamase inhibitor combinations. <i>PLoS ONE</i> , 2018, 13, e0195757.	2.5	54
48	Growth of <i>Cutibacterium acnes</i> is common on osteosynthesis material of the shoulder in patients without signs of infection. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 89, 580-584.	3.3	23
49	Ultra-dense polymer brush coating reduces <i>Staphylococcus epidermidis</i> biofilms on medical implants and improves antibiotic treatment outcome. <i>Acta Biomaterialia</i> , 2018, 76, 46-55.	8.3	29
50	Efficacy of introducing a checklist to reduce central venous line associated bloodstream infections in the ICU caring for adult patients. <i>BMC Infectious Diseases</i> , 2018, 18, 267.	2.9	25
51	Risk factors for excessively prolonged meropenem use in the intensive care setting: a case-control study. <i>BMC Infectious Diseases</i> , 2017, 17, 131.	2.9	5
52	The metalloprotease <i>SepA</i> governs processing of accumulation-associated protein and shapes intercellular adhesive surface properties in <i>Staphylococcus epidermidis</i> . <i>Molecular Microbiology</i> , 2017, 103, 860-874.	2.5	50
53	Limitations in the use of PSM $\beta$ , agr, RNAIII, and biofilm formation as biomarkers to define invasive <i>Staphylococcus epidermidis</i> from chronic biomedical device-associated infections. <i>International Journal of Medical Microbiology</i> , 2017, 307, 382-387.	3.6	10
54	Two-tier approach combining molecular and culture-based techniques for optimized detection of vancomycin-resistant enterococci. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017, 89, 253-257.	1.8	6

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55	Screening and contact precautions – A survey on infection control measures for multidrug-resistant bacteria in German university hospitals. <i>Antimicrobial Resistance and Infection Control</i> , 2017, 6, 37.	4.1	9
56	Impact of non-transferrin-bound iron (NTBI) in comparison to serum ferritin on outcome after allogeneic stem cell transplantation (ASCT). <i>Annals of Hematology</i> , 2017, 96, 1379-1388.	1.8	17
57	Advances in Rapid Identification and Susceptibility Testing of Bacteria in the Clinical Microbiology Laboratory: Implications for Patient Care and Antimicrobial Stewardship Programs. <i>Gastroenterology Insights</i> , 2017, 9, 6839.	1.2	113
58	Nasal commensal <i>Staphylococcus epidermidis</i> counteracts influenza virus. <i>Scientific Reports</i> , 2016, 6, 27870.	3.3	57
59	Genetic engineering of untransformable coagulase-negative staphylococcal pathogens. <i>Nature Protocols</i> , 2016, 11, 949-959.	12.0	25
60	First report of <i>Escherichia coli</i> co-producing NDM-1 and OXA-232. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 86, 437-438.	1.8	15
61	Versatility of Biofilm Matrix Molecules in <i>Staphylococcus epidermidis</i> Clinical Isolates and Importance of Polysaccharide Intercellular Adhesin Expression during High Shear Stress. <i>MSphere</i> , 2016, 1, .	2.9	39
62	Sub-inhibitory tigecycline concentrations induce extracellular matrix binding protein Embp dependent <i>Staphylococcus epidermidis</i> biofilm formation and immune evasion. <i>International Journal of Medical Microbiology</i> , 2016, 306, 471-478.	3.6	27
63	Does galactomannan testing increase diagnostic accuracy for IPA in the ICU? A prospective observational study. <i>Critical Care</i> , 2016, 20, 139.	5.8	39
64	Antagonism between <i>Staphylococcus epidermidis</i> and <i>Propionibacterium acnes</i> and its genomic basis. <i>BMC Genomics</i> , 2016, 17, 152.	2.8	131
65	Biofilm Morphotypes and Population Structure among <i>Staphylococcus epidermidis</i> from Commensal and Clinical Samples. <i>PLoS ONE</i> , 2016, 11, e0151240.	2.5	49
66	Structural basis of <i>Staphylococcus epidermidis</i> biofilm formation: mechanisms and molecular interactions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 14.	3.9	163
67	Soluble plasma VE-cadherin concentrations are elevated in patients with STEC infection and haemolytic uraemic syndrome: a case-control study. <i>BMJ Open</i> , 2015, 5, e005659-e005659.	1.9	7
68	Selection of Nanobodies that Block the Enzymatic and Cytotoxic Activities of the Binary <i>Clostridium Difficile</i> Toxin CDT. <i>Scientific Reports</i> , 2015, 5, 7850.	3.3	55
69	An 18 kDa Scaffold Protein Is Critical for <i>Staphylococcus epidermidis</i> Biofilm Formation. <i>PLoS Pathogens</i> , 2015, 11, e1004735.	4.7	28
70	Emergence of daptomycin non-susceptibility in colonizing vancomycin-resistant <i>Enterococcus faecium</i> isolates during daptomycin therapy. <i>International Journal of Medical Microbiology</i> , 2015, 305, 902-909.	3.6	40
71	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. <i>International Journal of Medical Microbiology</i> , 2015, 305, 948-956.	3.6	11
72	Accumulation-Associated Protein Enhances <i>Staphylococcus epidermidis</i> Biofilm Formation under Dynamic Conditions and Is Required for Infection in a Rat Catheter Model. <i>Infection and Immunity</i> , 2015, 83, 214-226.	2.2	109

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73	Rapid Metagenomic Diagnostics for Suspected Outbreak of Severe Pneumonia. <i>Emerging Infectious Diseases</i> , 2014, 20, 1072-1075.	4.3	61
74	<i>Staphylococcus epidermidis</i> <i>agr</i> Quorum-Sensing System: Signal Identification, Cross Talk, and Importance in Colonization. <i>Journal of Bacteriology</i> , 2014, 196, 3482-3493.	2.2	101
75	A multicentre cohort study on colonization and infection with ESBL-producing Enterobacteriaceae in high-risk patients with haematological malignancies. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 3387-3392.	3.0	84
76	Rapid MALDI-TOF Mass Spectrometry Strain Typing during a Large Outbreak of Shiga-Toxigenic <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2014, 9, e101924.	2.5	84
77	A Culture-Independent Sequence-Based Metagenomics Approach to the Investigation of an Outbreak of Shiga-Toxigenic <i>Escherichia coli</i> O104:H4. <i>JAMA - Journal of the American Medical Association</i> , 2013, 309, 1502.	7.4	290
78	<i>Staphylococcus epidermidis</i> in Biomaterial-Associated Infections. , 2013, , 25-56.		29
79	<i>agr</i> negatively regulates <i>S</i> <i>staphylococcus epidermidis</i> biofilm formation by modulating expression of 1% <i>MDa</i> extracellular matrix binding protein and autolysis-dependent release of <i>eDNA</i> . <i>Molecular Microbiology</i> , 2012, 86, 394-410.	2.5	51
80	Identification of the Shiga Toxin-Producing <i>Escherichia coli</i> O104:H4 Strain Responsible for a Food Poisoning Outbreak in Germany by PCR. <i>Journal of Clinical Microbiology</i> , 2011, 49, 3439-3440.	3.9	35
81	Open-Source Genomic Analysis of Shiga-Toxin-Producing <i>E. coli</i> O104:H4. <i>New England Journal of Medicine</i> , 2011, 365, 718-724.	27.0	392
82	Emergence of carbapenemases in Gram-negative bacteria in Hamburg, Germany. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011, 71, 312-315.	1.8	9
83	MALDI-TOF MS fingerprinting allows for discrimination of major methicillin-resistant <i>Staphylococcus aureus</i> lineages. <i>International Journal of Medical Microbiology</i> , 2011, 301, 64-68.	3.6	219
84	<i>Staphylococcus epidermidis</i> Uses Distinct Mechanisms of Biofilm Formation To Interfere with Phagocytosis and Activation of Mouse Macrophage-Like Cells 774A.1. <i>Infection and Immunity</i> , 2011, 79, 2267-2276.	2.2	152
85	Structure, function and contribution of polysaccharide intercellular adhesin (PIA) to <i>Staphylococcus epidermidis</i> biofilm formation and pathogenesis of biomaterial-associated infections. <i>European Journal of Cell Biology</i> , 2010, 89, 103-111.	3.6	235
86	The giant extracellular matrix-binding protein of <i>Staphylococcus epidermidis</i> mediates biofilm accumulation and attachment to fibronectin. <i>Molecular Microbiology</i> , 2010, 75, 187-207.	2.5	212
87	Epidemiology, variable genetic organization and regulation of the EDIN-B toxin in <i>Staphylococcus aureus</i> from bacteraemic patients. <i>Microbiology (United Kingdom)</i> , 2010, 156, 860-872.	1.8	12
88	Rapid Identification of Bacteria from Positive Blood Culture Bottles by Use of Matrix-Assisted Laser Desorption-Ionization Time of Flight Mass Spectrometry Fingerprinting. <i>Journal of Clinical Microbiology</i> , 2010, 48, 1584-1591.	3.9	260
89	<i>Staphylococcal</i> Biofilm Exopolysaccharide Protects against <i>Caenorhabditis elegans</i> Immune Defenses. <i>PLoS Pathogens</i> , 2007, 3, e57.	4.7	146
90	Localized Tufts of Fibrils on <i>Staphylococcus epidermidis</i> NCTC 11047 Are Comprised of the Accumulation-Associated Protein. <i>Journal of Bacteriology</i> , 2007, 189, 2793-2804.	2.2	73

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91	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
92	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
93	Induction of Staphylococcus epidermidis biofilm formation via proteolytic processing of the accumulation-associated protein by staphylococcal and host proteases. Molecular Microbiology, 2005, 55, 1883-1895.	2.5	354
94	Disintegration of Staphylococcus epidermidis Biofilms under Glucose-Limiting Conditions Depends on the Activity of the Alternative Sigma Factor $\sigma^B$ . Applied and Environmental Microbiology, 2005, 71, 5577-5581.	3.1	33
95	RsbU-Dependent Regulation of Staphylococcus epidermidis Biofilm Formation Is Mediated via the Alternative Sigma Factor $\sigma^B$ by Repression of the Negative Regulator Gene icaR. Infection and Immunity, 2004, 72, 3838-3848.	2.2	129
96	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
97	[20] Genetic and biochemical analysis of Staphylococcus epidermidis biofilm accumulation. Methods in Enzymology, 2001, 336, 215-239.	1.0	80