

Gabriele Bierbaum

List of Publications by Year in descending order

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46
papers

1,531
citations

331538

21
h-index

315616

38
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47
all docs

47
docs citations

47
times ranked

2155
citing authors

#	ARTICLE	IF	CITATIONS
1	Lytic Activity of Recombinant Bacteriophage ϕ 11 and ϕ 12 Endolysins on Whole Cells and Biofilms of <i>Staphylococcus aureus</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 347-352.	1.4	200
2	Lantibiotics: Promising candidates for future applications in health care. <i>International Journal of Medical Microbiology</i> , 2014, 304, 51-62.	1.5	170
3	Morphological and Genetic Differences in Two Isogenic <i>Staphylococcus aureus</i> Strains with Decreased Susceptibilities to Vancomycin. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 568-576.	1.4	75
4	Dissemination of multi-resistant Gram-negative bacteria into German wastewater and surface waters. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	75
5	An Elevated Mutation Frequency Favors Development of Vancomycin Resistance in <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3540-3548.	1.4	70
6	The cell wall precursor lipid II acts as a molecular signal for the Ser/Thr kinase PknB of <i>Staphylococcus aureus</i> . <i>International Journal of Medical Microbiology</i> , 2017, 307, 1-10.	1.5	70
7	ESKAPE Bacteria and Extended-Spectrum- β -Lactamase-Producing <i>Escherichia coli</i> Isolated from Wastewater and Process Water from German Poultry Slaughterhouses. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	67
8	Analysis of Transmission of MRSA and ESBL-E among Pigs and Farm Personnel. <i>PLoS ONE</i> , 2015, 10, e0138173.	1.1	65
9	Antibiotic-resistant bacteria and antimicrobial residues in wastewater and process water from German pig slaughterhouses and their receiving municipal wastewater treatment plants. <i>Science of the Total Environment</i> , 2020, 727, 138788.	3.9	57
10	Structural Variations of the Cell Wall Precursor Lipid II and Their Influence on Binding and Activity of the Lipoglycopeptide Antibiotic Oritavancin. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 772-781.	1.4	43
11	Purification and Activity Testing of the Full-Length YycFGHI Proteins of <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2012, 7, e30403.	1.1	40
12	Insights into Structure-Activity Relationships of Bacterial RNA Polymerase Inhibiting Coralopyronin Derivatives. <i>Journal of Natural Products</i> , 2015, 78, 2505-2509.	1.5	40
13	Pseudomycoicidin, a Class II Lantibiotic from <i>Bacillus pseudomycooides</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 3419-3429.	1.4	39
14	Killing of <i>Staphylococci</i> by δ -Defensins Involves Membrane Impairment and Activation of Autolytic Enzymes. <i>Antibiotics</i> , 2014, 3, 617-631.	1.5	36
15	Generation of a vancomycin-intermediate <i>Staphylococcus aureus</i> (VISA) strain by two amino acid exchanges in VraS. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 3190-3198.	1.3	28
16	Bacteria isolated from hospital, municipal and slaughterhouse wastewaters show characteristic, different resistance profiles. <i>Science of the Total Environment</i> , 2020, 746, 140894.	3.9	26
17	Colistin-Resistant Enterobacteriaceae Isolated From Process Waters and Wastewater From German Poultry and Pig Slaughterhouses. <i>Frontiers in Microbiology</i> , 2020, 11, 575391.	1.5	26
18	Heterogeneity of Host TLR2 Stimulation by <i>Staphylococcus aureus</i> Isolates. <i>PLoS ONE</i> , 2014, 9, e96416.	1.1	25

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19	Revisiting the genomes of the <i>Staphylococcus aureus</i> strains NCTC 8325 and RN4220. <i>International Journal of Medical Microbiology</i> , 2012, 302, 84-87.	1.5	24
20	Activation of the <i>glmS</i> Ribozyme Confers Bacterial Growth Inhibition. <i>ChemBioChem</i> , 2017, 18, 435-440.	1.3	24
21	Antigen delivery to dendritic cells shapes human CD4+ and CD8+ T cell memory responses to <i>Staphylococcus aureus</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006387.	2.1	24
22	Influence of IS <i>256</i> on Genome Variability and Formation of Small-Colony Variants in <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	22
23	Antibiotic-resistant bacteria, antibiotic resistance genes, and antibiotic residues in wastewater from a poultry slaughterhouse after conventional and advanced treatments. <i>Scientific Reports</i> , 2021, 11, 16622.	1.6	22
24	Genome Sequence of <i>Staphylococcus aureus</i> VC40, a Vancomycin- and Daptomycin-Resistant Strain, To Study the Genetics of Development of Resistance to Currently Applied Last-Resort Antibiotics. <i>Journal of Bacteriology</i> , 2012, 194, 2107-2108.	1.0	21
25	<i>YycH</i> and <i>YycI</i> Regulate Expression of <i>Staphylococcus aureus</i> Autolysins by Activation of <i>WalRK</i> Phosphorylation. <i>Microorganisms</i> , 2020, 8, 870.	1.6	19
26	Eradication of Methicillin-Resistant <i>Staphylococcus aureus</i> and of Enterobacteriaceae Expressing Extended-Spectrum Beta-Lactamases on a Model Pig Farm. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7633-7643.	1.4	18
27	Detection of methicillin-resistant coagulase-negative staphylococci harboring the class A <i>mec</i> complex by MALDI-TOF mass spectrometry. <i>International Journal of Medical Microbiology</i> , 2018, 308, 522-526.	1.5	17
28	Experimental taphonomy of fish - role of elevated pressure, salinity and pH. <i>Scientific Reports</i> , 2020, 10, 7839.	1.6	17
29	Clinically Relevant <i>Escherichia coli</i> Isolates from Process Waters and Wastewater of Poultry and Pig Slaughterhouses in Germany. <i>Microorganisms</i> , 2021, 9, 698.	1.6	17
30	Dissemination of carbapenem resistant bacteria from hospital wastewater into the environment. <i>Science of the Total Environment</i> , 2022, 806, 151339.	3.9	17
31	Evaluation of the antimicrobial activity and compressive strength of a dental cement modified using plant extract mixture. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 116.	1.7	15
32	Clinically relevant antibiotic-resistant bacteria in aquatic environments – An optimized culture-based approach. <i>Science of the Total Environment</i> , 2021, 750, 142265.	3.9	15
33	Slaughterhouse wastewater as a reservoir for extended-spectrum β -lactamase (ESBL)-producing, and colistin-resistant <i>Klebsiella</i> spp. and their impact in a “One Health”-perspective. <i>Science of the Total Environment</i> , 2022, 804, 150000.	3.9	15
34	Evaluation of the Flexural Strength, Water Sorption, and Solubility of a Glass Ionomer Dental Cement Modified Using Phytomedicine. <i>Materials</i> , 2020, 13, 5352.	1.3	12
35	The Role of β -Glycosylated Wall Teichoic Acids in the Reduction of Vancomycin Susceptibility in Vancomycin-Intermediate <i>Staphylococcus aureus</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0052821.	1.2	12
36	Global Distribution Patterns of Carbapenemase-Encoding Bacteria in a New Light: Clues on a Role for Ethnicity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 659753.	1.8	11

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37	Genome Sequence of <i>Bacillus pumilus</i> Strain Bonn, Isolated from an Anthrax-Like Necrotic Skin Infection Site of a Child. <i>Genome Announcements</i> , 2016, 4, .	0.8	9
38	The complex role of microbial metabolic activity in fossilization. <i>Biological Reviews</i> , 2022, 97, 449-465.	4.7	9
39	Genetic Characterization of Carbapenem-Resistant <i>Klebsiella</i> spp. from Municipal and Slaughterhouse Wastewater. <i>Antibiotics</i> , 2022, 11, 435.	1.5	9
40	DNA from resin-embedded organisms: Past, present and future. <i>PLoS ONE</i> , 2020, 15, e0239521.	1.1	8
41	Bacterial Histidine Kinases: Overexpression, Purification, and Inhibitor Screen. <i>Methods in Molecular Biology</i> , 2017, 1520, 247-259.	0.4	6
42	The RNA Polymerase Inhibitor Coralopyronin A Has a Lower Frequency of Resistance Than Rifampicin in <i>Staphylococcus aureus</i> . <i>Antibiotics</i> , 2022, 11, 920.	1.5	4
43	The search for new anti-infective drugs: Untapped resources and strategies. <i>International Journal of Medical Microbiology</i> , 2014, 304, 1-2.	1.5	3
44	Draft Genome Sequences of Three Northern German Epidemic <i>Staphylococcus aureus</i> (ST247) Strains Containing Multiple Copies of IS 256. <i>Genome Announcements</i> , 2016, 4, .	0.8	3
45	Antibiotic-Resistant Bacteria in Clams – A Study on Mussels in the River Rhine. <i>Antibiotics</i> , 2021, 10, 571.	1.5	3
46	The hypersusceptible antibiotic screening strain <i>Staphylococcus aureus</i> SG511-Berlin harbors multiple mutations in regulatory genes. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151545.	1.5	3