Jacques Schrenzel

List of Publications by Year
in descending order

358 papers	18,912 citations	10956 71 h-index	18075 120 g-index
386 all docs	386 docs citations	386 times ranked	21557 citing authors

#	Article	IF	Citations
1	Responses of Gut Microbiota and Glucose and Lipid Metabolism to Prebiotics in Genetic Obese and Diet-Induced Leptin-Resistant Mice. Diabetes, 2011, 60, 2775-2786.	0.3	881
2	De novo bacterial genome sequencing: Millions of very short reads assembled on a desktop computer. Genome Research, 2008, 18, 802-809.	2.4	538
3	Microbiome of prebiotic-treated mice reveals novel targets involved in host response during obesity. ISME Journal, 2014, 8, 2116-2130.	4.4	491
4	Universal Screening for Methicillin-Resistant <emph type="ital">Staphylococcus aureus</emph> at Hospital Admission and Nosocomial Infection in Surgical Patients. JAMA - Journal of the American Medical Association, 2008, 299, 1149.	3.8	483
5	Comparison of Two Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry Methods with Conventional Phenotypic Identification for Routine Identification of Bacteria to the Species Level. Journal of Clinical Microbiology, 2010, 48, 1169-1175.	1.8	424
6	Robustness of a loop-mediated isothermal amplification reaction for diagnostic applications. FEMS Immunology and Medical Microbiology, 2011, 62, 41-48.	2.7	378
7	Histone deacetylase inhibitors impair innate immune responses to Toll-like receptor agonists and to infection. Blood, 2011, 117, 1205-1217.	0.6	311
8	Failures in Clinical Treatment of Staphylococcus aureus Infection with Daptomycin Are Associated with Alterations in Surface Charge, Membrane Phospholipid Asymmetry, and Drug Binding. Antimicrobial Agents and Chemotherapy, 2008, 52, 269-278.	1.4	305
9	Metagenomic study of the oral microbiota by Illumina high-throughput sequencing. Journal of Microbiological Methods, 2009, 79, 266-271.	0.7	289
10	Altered Gut Microbiota and Endocannabinoid System Tone in Obese and Diabetic Leptin-Resistant Mice: Impact on Apelin Regulation in Adipose Tissue. Frontiers in Microbiology, 2011, 2, 149.	1.5	267
11	Rapid Detection of Methicillin-Resistant Staphylococcus aureus Directly from Sterile or Nonsterile Clinical Samples by a New Molecular Assay. Journal of Clinical Microbiology, 2003, 41, 254-260.	1.8	258
12	Kingella Kingae Osteoarticular Infections in Young Children: Clinical Features and Contribution of a New Specific Real-time PCR Assay to the Diagnosis. Journal of Pediatric Orthopaedics, 2010, 30, 301-304.	0.6	234
13	Evidence of an Intracellular Reservoir in the Nasal Mucosa of Patients with RecurrentStaphylococcus aureusRhinosinusitis. Journal of Infectious Diseases, 2005, 192, 1023-1028.	1.9	230
14	Study of inter- and intra-individual variations in the salivary microbiota. BMC Genomics, 2010, 11, 523.	1.2	212
15	The Stringent Response of Staphylococcus aureus and Its Impact on Survival after Phagocytosis through the Induction of Intracellular PSMs Expression. PLoS Pathogens, 2012, 8, e1003016.	2.1	209
16	A search for small noncoding RNAs in Staphylococcus aureus reveals a conserved sequence motif for regulation. Nucleic Acids Research, 2009, 37, 7239-7257.	6.5	200
17	CodY in Staphylococcus aureus : a Regulatory Link between Metabolism and Virulence Gene Expression. Journal of Bacteriology, 2009, 191, 2953-2963.	1.0	195
18	Methicillinâ€Resistant Coagulaseâ€Negative Staphylococci in the Community: High Homology of SCCmec IVa betweenStaphylococcus epidermidisand Major Clones of Methicillinâ€ResistantStaphylococcus aureus. Journal of Infectious Diseases, 2010, 202, 270-281.	1.9	191

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19	Electron currents generated by the human phagocyte NADPH oxidase. Nature, 1998, 392, 734-737.	13.7	184
20	Tn 125 -Related Acquisition of bla _{NDM} -Like Genes in Acinetobacter baumannii. Antimicrobial Agents and Chemotherapy, 2012, 56, 1087-1089.	1.4	184
21	Increased Expression of Clumping Factor and Fibronectin-Binding Proteins by hemB Mutants of Staphylococcus aureus Expressing Small Colony Variant Phenotypes. Infection and Immunity, 2002, 70, 5428-5437.	1.0	171
22	Functional Gut Microbiota Remodeling Contributes to the Caloric Restriction-Induced Metabolic Improvements. Cell Metabolism, 2018, 28, 907-921.e7.	7.2	170
23	Evaluation of rapid screening and pre-emptive contact isolation for detecting and controlling methicillin-resistant Staphylococcus aureus in critical care: an interventional cohort study. Critical Care, 2006, 10, R25.	2.5	168
24	Impact of Combined Low-Level Mupirocin and Genotypic Chlorhexidine Resistance on Persistent Methicillin-Resistant Staphylococcus aureus Carriage After Decolonization Therapy: A Case-control Study. Clinical Infectious Diseases, 2011, 52, 1422-1430.	2.9	163
25	Rapid Diagnosis of Infection in the Critically Ill, a Multicenter Study of Molecular Detection in Bloodstream Infections, Pneumonia, and Sterile Site Infections*. Critical Care Medicine, 2015, 43, 2283-2291.	0.4	159
26	Effect of a glucose impulse on the CcpA regulon in Staphylococcus aureus. BMC Microbiology, 2009, 9, 95.	1.3	142
27	Lower Respiratory Viral Illnesses. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 1197-1203.	2.5	141
28	Temporal effects of antibiotic use and hand rub consumption on the incidence of MRSA and Clostridium difficile. Journal of Antimicrobial Chemotherapy, 2008, 62, 601-607.	1.3	140
29	A global view of Staphylococcus aureus whole genome expression upon internalization in human epithelial cells. BMC Genomics, 2007, 8, 171.	1.2	135
30	Noma: an â€œinfectiousâ€•disease of unknown aetiology. Lancet Infectious Diseases, The, 2003, 3, 419-431.	4.6	134
31	Isolation and Characterization of Biofilm Formation-Defective Mutants of Staphylococcus aureus. Infection and Immunity, 2007, 75, 1079-1088.	1.0	133
32	Application and use of various mass spectrometry methods in clinical microbiology. Clinical Microbiology and Infection, 2010, 16, 1604-1613.	2.8	130
33	A type III-like restriction endonuclease functions as a major barrier to horizontal gene transfer in clinical Staphylococcus aureus strains. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11954-11958.	3.3	130
34	Identification and Characterization of a Novel 38.5-Kilodalton Cell Surface Protein of Staphylococcus aureus with Extended-Spectrum Binding Activity for Extracellular Matrix and Plasma Proteins. Journal of Bacteriology, 2001, 183, 6778-6786.	1.0	127
35	Evaluating the Probability of Previously Unknown Carriage of MRSA at Hospital Admission. American Journal of Medicine, 2006, 119, 275.e15-275.e23.	0.6	127
36	Daptomycin resistance mechanisms in clinically derived Staphylococcus aureus strains assessed by a combined transcriptomics and proteomics approach. Journal of Antimicrobial Chemotherapy, 2011, 66, 1696-1711.	1.3	126

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37	A Novel H+ Conductance in Eosinophils. Journal of Experimental Medicine, 1999, 190, 183-194.	4.2	122
38	Cartography of Methicillin-Resistant S. aureus Transcripts: Detection, Orientation and Temporal Expression during Growth Phase and Stress Conditions. PLoS ONE, 2010, 5, e10725.	1.1	119
39	A Randomized Clinical Trial to Compare Fleroxacin-Rifampicin with Flucloxacillin or Vancomycin for the Treatment of Staphylococcal Infection. Clinical Infectious Diseases, 2004, 39, 1285-1292.	2.9	117
40	Regulation of mprF in Daptomycin-Nonsusceptible Staphylococcus aureus Strains. Antimicrobial Agents and Chemotherapy, 2009, 53, 2636-2637.	1.4	117
41	Correlation of Daptomycin Resistance in a Clinical Staphylococcus aureus Strain with Increased Cell Wall Teichoic Acid Production and <scp>d</scp> -Alanylation. Antimicrobial Agents and Chemotherapy, 2011, 55, 3922-3928.	1.4	117
42	Trends in the treatment of orthopaedic prosthetic infections. Journal of Antimicrobial Chemotherapy, 2004, 53, 127-129.	1.3	113
43	Genomic analysis of an emerging multiresistant Staphylococcus aureus strain rapidly spreading in cystic fibrosis patients revealed the presence of an antibiotic inducible bacteriophage. Biology Direct, 2009, 4, 1.	1.9	113
44	Exploring glycopeptide-resistance in Staphylococcus aureus: a combined proteomics and transcriptomics approach for the identification of resistance-related markers. BMC Genomics, 2006, 7, 296.	1.2	112
45	High prevalence of the arginine catabolic mobile element in carriage isolates of methicillin-resistant Staphylococcus epidermidis. Journal of Antimicrobial Chemotherapy, 2011, 66, 29-36.	1.3	109
46	Microstructuring of polymer films for sensitive genotyping by real-time PCR on a centrifugal microfluidic platform. Lab on A Chip, 2010, 10, 2519.	3.1	108
47	A generic approach for the design of whole-genome oligoarrays, validated for genomotyping, deletion mapping and gene expression analysis on Staphylococcus aureus. BMC Genomics, 2005, 6, 95.	1.2	107
48	Rapid Clinical Bacteriology and Its Future Impact. Annals of Laboratory Medicine, 2013, 33, 14-27.	1.2	102
49	Molecular diagnosis of Kingella kingae osteoarticular infections by specific real-time PCR assay. Journal of Medical Microbiology, 2009, 58, 65-68.	0.7	101
50	Bench-to-bedside review: Rapid molecular diagnostics for bloodstream infection - a new frontier?. Critical Care, 2012, 16, 222.	2.5	101
51	Community-associated Methicillin-resistantStaphylococcus aureus, Switzerland. Emerging Infectious Diseases, 2005, 11, 962-965.	2.0	100
52	Transcriptome analysis of the responses of Staphylococcus aureus to antimicrobial peptides and characterization of the roles of vraDE and vraSR in antimicrobial resistance. BMC Genomics, 2009, 10, 429.	1.2	100
53	Use of PCR Coupled with Electrospray Ionization Mass Spectrometry for Rapid Identification of Bacterial and Yeast Bloodstream Pathogens from Blood Culture Bottles. Journal of Clinical Microbiology, 2011, 49, 345-353.	1.8	100
54	Mapping axillary microbiota responsible for body odours using a culture-independent approach. Microbiome, 2015, 3, 3.	4.9	100

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55	Comparative Analysis of PCRâ€“Electrospray Ionization/Mass Spectrometry (MS) and MALDI-TOF/MS for the Identification of Bacteria and Yeast from Positive Blood Culture Bottles. Clinical Chemistry, 2011, 57, 1057-1067.	1.5	99
56	Use of an Automated Multiple-Locus, Variable-Number Tandem Repeat-Based Method for Rapid and High-Throughput Genotyping of Staphylococcus aureus Isolates. Journal of Clinical Microbiology, 2005, 43, 3346-3355.	1.8	97
57	Contamination of Stethoscopes and Physicians' Hands After a Physical Examination. Mayo Clinic Proceedings, 2014, 89, 291-299.	1.4	97
58	Clinical metagenomics of bone and joint infections: a proof of concept study. Scientific Reports, 2017, 7, 7718.	1.6	97
59	The CodY pleiotropic repressor controls virulence in gram-positive pathogens. FEMS Immunology and Medical Microbiology, 2011, 62, 123-139.	2.7	94
60	Standard Genotyping Overestimates Transmission of Mycobacterium tuberculosis among Immigrants in a Low-Incidence Country. Journal of Clinical Microbiology, 2016, 54, 1862-1870.	1.8	94
61	A Novel Multiplex Real-Time PCR Assay for Rapid Typing of Major Staphylococcal Cassette Chromosome mec Elements. Journal of Clinical Microbiology, 2004, 42, 3309-3312.	1.8	91
62	Detection of Kingella kingae Osteoarticular Infections in Children by Oropharyngeal Swab PCR. Pediatrics, 2013, 131, e230-e235.	1.0	91
63	Global Analysis of the Staphylococcus aureus Response to Mupirocin. Antimicrobial Agents and Chemotherapy, 2012, 56, 787-804.	1.4	88
64	Evaluation of Three Molecular Assays for Rapid Identification of Methicillin-Resistant Staphylococcus aureus. Journal of Clinical Microbiology, 2007, 45, 2011-2013.	1.8	86
65	Methicillin-Susceptible ST398 Staphylococcus aureus Responsible for Bloodstream Infections: An Emerging Human-Adapted Subclone?. PLoS ONE, 2011, 6, e28369.	1.1	86
66	Analysis of the Small RNA Transcriptional Response in Multidrug-Resistant Staphylococcus aureus after Antimicrobial Exposure. Antimicrobial Agents and Chemotherapy, 2013, 57, 3864-3874.	1.4	84
67	Molecular analysis of NDM-1-producing enterobacterial isolates from Geneva, Switzerland. Journal of Antimicrobial Chemotherapy, 2011, 66, 1730-1733.	1.3	82
68	Differentiating Osteoarticular Infections Caused By Kingella Kingae From Those Due to Typical Pathogens in Young Children. Pediatric Infectious Disease Journal, 2011, 30, 906-909.	1.1	81
69	Evaluation of Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for Rapid Identification of Beta-Hemolytic Streptococci. Journal of Clinical Microbiology, 2011, 49, 3004-3005.	1.8	81
70	Impact of oleic acid (cis-9-octadecenoic acid) on bacterial viability and biofilm production inStaphylococcus aureus. FEMS Microbiology Letters, 2008, 287, 149-155.	0.7	79
71	Root Microbiota in Primary and Secondary Apical Periodontitis. Frontiers in Microbiology, 2018, 9, 2374.	1.5	79
72	HIV Infection Disrupts the Sympatric Hostâ€“Pathogen Relationship in Human Tuberculosis. PLoS Genetics, 2013, 9, e1003318.	1.5	78

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73	Modelling the impact of antibiotic use on antibiotic-resistant Escherichia coli using population-based data from a large hospital and its surrounding community. Journal of Antimicrobial Chemotherapy, 2011, 66, 928-935.	1.3	77
74	Molecular Basis of Virulence in Staphylococcus aureus Mastitis. PLoS ONE, 2011, 6, e27354.	1.1	77
75	Comparison of DNA Extraction Methods in Analysis of Salivary Bacterial Communities. PLoS ONE, 2013, 8, e67699.	1.1	76
76	Emergence of Unusual Bloodstream Infections Associated with Pig-Borne-Like Staphylococcus aureus ST398 in France. Clinical Infectious Diseases, 2011, 52, 152-153.	2.9	73
77	FOOD POISONING AS A CAUSE OF ACUTE LIVER FAILURE. Pediatric Infectious Disease Journal, 2008, 27, 846-847.	1.1	72
78	Lack of biofilm contribution to bacterial colonisation in an experimental model of foreign body infection byStaphylococcus aureusandStaphylococcus epidermidis. FEMS Immunology and Medical Microbiology, 2003, 35, 135-140.	2.7	71
79	A RecA-LexA-dependent Pathway Mediates Ciprofloxacin-induced Fibronectin Binding in Staphylococcus aureus. Journal of Biological Chemistry, 2004, 279, 9064-9071.	1.6	70
80	Identification of plasma proteins adsorbed on hemodialysis tubing that promote Staphylococcus aureus adhesion. Translational Research, 2000, 135, 32-42.	2.4	68
81	Bordetella holmesii: an under-recognised Bordetella species. Lancet Infectious Diseases, The, 2014, 14, 510-519.	4.6	67
82	Decontamination of 16S rRNA gene amplicon sequence datasets based on bacterial load assessment by qPCR. BMC Microbiology, 2016, 16, 73.	1.3	67
83	Bacterial Diversity in Oral Samples of Children in Niger with Acute Noma, Acute Necrotizing Gingivitis, and Healthy Controls. PLoS Neglected Tropical Diseases, 2012, 6, e1556.	1.3	66
84	Methicillin-ResistantStaphylococcus aureus, Geneva, Switzerland, 1993â€“2005. Emerging Infectious Diseases, 2008, 14, 304-307.	2.0	63
85	Human-to-Bovine Jump of Staphylococcus aureus CC8 Is Associated with the Loss of a Î²-Hemolysin Converting Prophage and the Acquisition of a New Staphylococcal Cassette Chromosome. PLoS ONE, 2013, 8, e58187.	1.1	63
86	Colistin Heteroresistance and Involvement of the PmrAB Regulatory System in Acinetobacter baumannii. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	62
87	Decolonization of intestinal carriage of extended-spectrum Â-lactamase-producing Enterobacteriaceae with oral colistin and neomycin: a randomized, double-blind, placebo-controlled trial. Journal of Antimicrobial Chemotherapy, 2013, 68, 2375-82.	1.3	61
88	The GLP-1R agonist liraglutide limits hepatic lipotoxicity and inflammatory response in mice fed a methionine-choline deficient diet. Translational Research, 2021, 227, 75-88.	2.2	61
89	The CshA DEAD-box RNA helicase is important for quorum sensing control inStaphylococcus aureus. RNA Biology, 2013, 10, 157-165.	1.5	60
90	Emergence of ESBL-producing Escherichia coli ST131-C1-M27 clade colonizing patients in Europe. Journal of Antimicrobial Chemotherapy, 2018, 73, 2973-2980.	1.3	60

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91	Correlation of proteomic and transcriptomic profiles of Staphylococcus aureus during the post-exponential phase of growth. Journal of Microbiological Methods, 2005, 60, 247-257.	0.7	59
92	Use of Diagnostic Microarrays for Determination of Virulence Gene Patterns of Escherichia coli K1, a Major Cause of Neonatal Meningitis. Journal of Clinical Microbiology, 2005, 43, 1024-1031.	1.8	58
93	Novel Microarray Design Strategy To Study Complex Bacterial Communities. Applied and Environmental Microbiology, 2008, 74, 1876-1885.	1.4	58
94	Risk factors for noma disease: a 6-year, prospective, matched case-control study in Niger. The Lancet Global Health, 2013, 1, e87-e96.	2.9	58
95	Molecular Identification of Fusarium Species in Onychomycoses. Dermatology, 2005, 210, 21-25.	0.9	56
96	Role of the SaeRS two-component regulatory system in Staphylococcus epidermidisautolysis and biofilm formation. BMC Microbiology, 2011, 11, 146.	1.3	56
97	Blue light-mediated inactivation of Enterococcus faecalis in vitro. Photodiagnosis and Photodynamic Therapy, 2013, 10, 134-140.	1.3	56
98	Staphylococcus aureus, phagocyte NADPH oxidase and chronic granulomatous disease. FEMS Microbiology Reviews, 2017, 41, fuw042.	3.9	56
99	Impact of Hypocaloric Hyperproteic Diet on Gut Microbiota in Overweight or Obese Patients with Nonalcoholic Fatty Liver Disease: A Pilot Study. Digestive Diseases and Sciences, 2016, 61, 2721-2731.	1.1	56
100	Use of Oligoarrays for Characterization of Community-Onset Methicillin-Resistant Staphylococcus aureus. Journal of Clinical Microbiology, 2006, 44, 1040-1048.	1.8	55
101	Analysis of the salivary microbiome using culture-independent techniques. Journal of Clinical Bioinformatics, 2012, 2, 4.	1.2	54
102	Establishing Genotype-to-Phenotype Relationships in Bacteria Causing Hospital-Acquired Pneumonia: A Prelude to the Application of Clinical Metagenomics. Antibiotics, 2017, 6, 30.	1.5	54
103	Modulation of Fibronectin Adhesins and Other Virulence Factors in a Teicoplanin-Resistant Derivative of Methicillin-Resistant Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2004, 48, 2958-2965.	1.4	53
104	Flow cytometric assessment of Streptococcus mutans viability after exposure to blue light-activated curcumin. Photodiagnosis and Photodynamic Therapy, 2014, 11, 372-379.	1.3	53
105	Antibacterial Efficacy of Accelerated Photoactivated Chromophore for Keratitisâ€“Corneal Collagen Cross-linking (PACK-CXL). Journal of Refractive Surgery, 2014, 30, 850-854.	1.1	53
106	Proteomic approaches to study Staphylococcus aureus pathogenesis. Journal of Proteomics, 2010, 73, 701-708.	1.2	52
107	The Ïƒ ^B -Dependent yabJ-spoVG Operon Is Involved in the Regulation of Extracellular Nuclease, Lipase, and Protease Expression in Staphylococcus aureus. Journal of Bacteriology, 2011, 193, 4954-4962.	1.0	52
108	Azole Resistance of Environmental and Clinical Aspergillus fumigatus Isolates from Switzerland. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	52

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109	Small Risk of Osteoarticular Infections in Children With Asymptomatic Oropharyngeal Carriage of Kingella Kingae. Pediatric Infectious Disease Journal, 2012, 31, 983-985.	1.1	51
110	Burden of Bloodstream Infection Caused by Extended-Spectrum Î²-Lactamaseâ€“Producing Enterobacteriaceae Determined Using Multistate Modeling at a Swiss University Hospital and a Nationwide Predictive Model. Infection Control and Hospital Epidemiology, 2013, 34, 133-143.	1.0	51
111	Disrupting Myelin-Specific Th17 Cell Gut Homing Confers Protection in an Adoptive Transfer Experimental Autoimmune Encephalomyelitis. Cell Reports, 2019, 29, 378-390.e4.	2.9	51
112	De novo finished 2.8 Mbp Staphylococcus aureus genome assembly from 100 bp short and long range paired-end reads. Bioinformatics, 2014, 30, 40-49.	1.8	50
113	Effect of outpatient antibiotics for urinary tract infections on antimicrobial resistance among commensal Enterobacteriaceae: a multinational prospective cohort study. Clinical Microbiology and Infection, 2018, 24, 972-979.	2.8	49
114	Identification of respiratory microbiota markers in ventilator-associated pneumonia. Intensive Care Medicine, 2019, 45, 1082-1092.	3.9	49
115	Transcriptomic and Functional Analysis of an Autolysis-Deficient, Teicoplanin-Resistant Derivative of Methicillin-Resistant Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2006, 50, 3048-3061.	1.4	47
116	Risk Factors for Methicillin-ResistantStaphylococcus aureusSurgical Site Infection. Infection Control and Hospital Epidemiology, 2008, 29, 890-893.	1.0	47
117	Comparison of fluorescence and resonance light scattering for highly sensitive microarray detection of bacterial pathogens. Journal of Microbiological Methods, 2003, 55, 755-762.	0.7	46
118	Comparative efficacy of daptomycin and vancomycin in the therapy of experimental foreign body infection due to Staphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2003, 52, 89-95.	1.3	46
119	Accelerated Photoactivated Chromophore for Keratitisâ€“Corneal Collagen Cross-linking as a First-line and Sole Treatment in Early Fungal Keratitis. Journal of Refractive Surgery, 2014, 30, 855-857.	1.1	46
120	Use ofTreponema pallidumPCR in Testing of Ulcers for Diagnosis of Primary Syphilis1. Emerging Infectious Diseases, 2015, 21, 127-129.	2.0	46
121	Molecular diagnosis of bloodstream infections: planning to (physically) reach the bedside. Current Opinion in Infectious Diseases, 2010, 23, 311-319.	1.3	45
122	Comparison of four chromogenic media for culture-based screening of meticillin-resistant Staphylococcus aureus. Journal of Medical Microbiology, 2007, 56, 500-503.	0.7	44
123	Staphylococcus aureus seroproteomes discriminate ruminant isolates causing mild or severe mastitis. Veterinary Research, 2011, 42, 35.	1.1	43
124	Challenges in the culture-independent analysis of oral and respiratory samples from intubated patients. Frontiers in Cellular and Infection Microbiology, 2014, 4, 65.	1.8	43
125	Comparative Genomics of Community-Associated Methicillin-ResistantStaphylococcus aureusShows the Emergence of Clone ST8-USA300 in Geneva, Switzerland. Journal of Infectious Diseases, 2016, 213, 1370-1379.	1.9	43
126	Highly Supralinear Feedback Inhibition of Ca2+ Uptake by the Ca2+ Load of Intracellular Stores. Journal of Biological Chemistry, 1996, 271, 14925-14930.	1.6	42

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127	Intensive Therapy with Ceftobiprole Medocaril of Experimental Foreign-Body Infection by Methicillin-Resistant Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2005, 49, 3789-3793.	1.4	42
128	Clinical relevance of new diagnostic methods for bloodstream infections. International Journal of Antimicrobial Agents, 2007, 30, 2-6.	1.1	42
129	Prevalence and prediction of previously unknown MRSA carriage on admission to a geriatric hospital. Age and Ageing, 2005, 34, 456-462.	0.7	41
130	Production of Reactive Oxygen Species from Photosensitizers Activated with Visible Light Sources Available in Dental Offices. Photomedicine and Laser Surgery, 2010, 28, 519-525.	2.1	41
131	Primary Epiphyseal or Apophyseal Subacute Osteomyelitis in the Pediatric Population. Journal of Bone and Joint Surgery - Series A, 2014, 96, 1570-1575.	1.4	41
132	A Predictive Model for Identifying Surgical Patients at Risk of Methicillin-Resistant Staphylococcus aureus Carriage on Admission. Journal of the American College of Surgeons, 2008, 207, 683-689.	0.2	39
133	Antimicrobial Activity and Cytotoxicity of 3 Photosensitizers Activated with Blue Light. Journal of Endodontics, 2014, 40, 427-431.	1.4	38
134	Detection of Bacterial Pathogens from Broncho-Alveolar Lavage by Next-Generation Sequencing. International Journal of Molecular Sciences, 2017, 18, 2011.	1.8	38
135	Induction of Fibronectin Adhesins in Quinolone-Resistant Staphylococcus aureus by Subinhibitory Levels of Ciprofloxacin or by Sigma B Transcription Factor Activity Is Mediated by Two Separate Pathways. Antimicrobial Agents and Chemotherapy, 2005, 49, 916-924.	1.4	37
136	Tracking methicillin-resistant Staphylococcus aureus clones in Colombian hospitals over 7 years (1996â€“2003): emergence of a new dominant clone. International Journal of Antimicrobial Agents, 2005, 26, 457-462.	1.1	37
137	Mass spectrometry methods for predicting antibiotic resistance. Proteomics - Clinical Applications, 2016, 10, 964-981.	0.8	37
138	Identification of mycobacterium spp. and nocardia spp. from solid and liquid cultures by matrix-assisted laser desorption ionizationâ€“time of flight mass spectrometry (MALDI-TOF MS). Diagnostic Microbiology and Infectious Disease, 2016, 86, 277-283.	0.8	37
139	Association between oropharyngeal carriage of Kingella kingae and osteoarticular infection in young children: a caseâ€“control study. Cmaj, 2017, 189, E1107-E1111.	0.9	37
140	Comparison of Levofloxacin, Alatrofloxacin, and Vancomycin for Prophylaxis and Treatment of Experimental Foreign-Body-Associated Infection by Methicillin-Resistant Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2002, 46, 1503-1509.	1.4	36
141	Rapid Staphylococcus aureus agr Type Determination by a Novel Multiplex Real-Time Quantitative PCR Assay. Journal of Clinical Microbiology, 2006, 44, 1892-1895.	1.8	36
142	Kingella kingae spondylodiscitis in young children: toward a new approach for bacteriological investigations? A preliminary report. Journal of Children's Orthopaedics, 2010, 4, 173-175.	0.4	36
143	Multi-well fungal co-culture for de novo metabolite-induction in time-series studies based on untargeted metabolomics. Molecular BioSystems, 2014, 10, 2289-2298.	2.9	36
144	Development and validation of a modified broad-range 16S rDNA PCR for diagnostic purposes in clinical microbiology. Journal of Microbiological Methods, 2009, 79, 227-231.	0.7	35

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145	Clonal or not clonal? Investigating hospital outbreaks of KPC-producing Klebsiella pneumoniae with whole-genome sequencing. Clinical Microbiology and Infection, 2017, 23, 470-475.	2.8	35
146	Oral Dysbiosis and Inflammation in Parkinsonâ€™s Disease. Journal of Parkinson's Disease, 2021, 11, 619-631.	1.5	35
147	Nonredundant mass spectrometry: A strategy to integrate mass spectrometry acquisition and analysis. Proteomics, 2004, 4, 917-927.	1.3	34
148	Fine-tuned characterization of Staphylococcus aureus Newbould 305, a strain associated with mild and chronic mastitis in bovines. Veterinary Research, 2014, 45, 106.	1.1	34
149	The intestinal microbiota predisposes to travelerâ€™s diarrhea and to the carriage of multidrug-resistant Enterobacteriaceae after traveling to tropical regions. Gut Microbes, 2019, 10, 631-641.	4.3	34
150	Influenza-associated aspergillosis in critically-ill patientsâ€”a retrospective bicentric cohort study. European Journal of Clinical Microbiology and Infectious Diseases, 2020, 39, 1915-1923.	1.3	34
151	Isolation and characterization of Kingella negevensis sp. nov., a novel Kingella species detected in a healthy paediatric population. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2370-2376.	0.8	34
152	Development of a method for recovering rickettsial RNA from infected cells to analyze gene expression profiling of obligate intracellular bacteria. Journal of Microbiological Methods, 2007, 71, 292-297.	0.7	33
153	Characteristics of multidrug-resistant Acinetobacter baumannii strains isolated in Geneva during colonization or infection. Annals of Clinical Microbiology and Antimicrobials, 2015, 14, 42.	1.7	33
154	Antibiotic resistance patterns among group B Streptococcus isolates: implications for antibiotic prophylaxis for early-onset neonatal sepsis. Swiss Medical Weekly, 2013, 143, w13778.	0.8	33
155	Is Throat Screening Necessary To Detect Methicillin-Resistant Staphylococcus aureus Colonization in Patients upon Admission to an Intensive Care Unit?. Journal of Clinical Microbiology, 2007, 45, 1072-1073.	1.8	32
156	Identification by Genomic and Genetic Analysis of Two New Genes Playing a Key Role in Intermediate Glycopeptide Resistance in Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2009, 53, 903-911.	1.4	32
157	Accelerated digestion for high-throughput proteomics analysis of whole bacterial proteomes. Journal of Microbiological Methods, 2010, 80, 56-62.	0.7	32
158	Core genome conservation of Staphylococcus haemolyticus limits sequence based population structure analysis. Journal of Microbiological Methods, 2012, 89, 159-166.	0.7	32
159	Carriage of extended-spectrum beta-lactamase-producing enterobacteriacae among internal medicine patients in Switzerland. Antimicrobial Resistance and Infection Control, 2013, 2, 20.	1.5	32
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