# Carey-Ann D Burnham

List of Publications by Year
in descending order



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|---|---|---|---|
| 267 papers | 7,454 citations | 61945 43 h-index | 85498 71 g-index |
| 273 all docs | 273 docs citations | 273 times ranked | 9691 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Developmental dynamics of the preterm infant gut microbiota and antibiotic resistome. Nature Microbiology, 2016, 1, 16024. | 5.9 | 346 |
| 2 | Diagnosis of Clostridium difficile Infection: an Ongoing Conundrum for Clinicians and for Clinical Laboratories. Clinical Microbiology Reviews, 2013, 26, 604-630. | 5.7 | 342 |
| 3 | Vertically transmitted faecal IgA levels determine extra-chromosomal phenotypic variation. Nature, 2015, 521, 90-93. | 13.7 | 221 |
| 4 | Innovative and rapid antimicrobial susceptibility testing systems. Nature Reviews Microbiology, 2020, 18, 299-311. | 13.6 | 204 |
| 5 | It's Not Easy Being Green: the Viridans Group Streptococci, with a Focus on Pediatric Clinical Manifestations. Journal of Clinical Microbiology, 2010, 48, 3829-3835. | 1.8 | 176 |
| 6 | Impact of Clinical Symptoms on Interpretation of Diagnostic Assays for Clostridium difficile Infections. Journal of Clinical Microbiology, 2011, 49, 2887-2893. | 1.8 | 168 |
| 7 | Prevalence and Risk Factors for Asymptomatic Clostridium difficile Carriage. Clinical Infectious Diseases, 2014, 59, 216-222. | 2.9 | 142 |
| 8 | Diagnosing antimicrobial resistance. Nature Reviews Microbiology, 2017, 15, 697-703. | 13.6 | 137 |
| 9 | Assessment of Healthcare Worker Protocol Deviations and Self-Contamination During Personal Protective Equipment Donning and Doffing. Infection Control and Hospital Epidemiology, 2017, 38, 1077-1083. | 1.0 | 128 |
| 10 | Mupirocin and Chlorhexidine Resistance in Staphylococcus aureus in Patients with Community-Onset Skin and Soft Tissue Infections. Antimicrobial Agents and Chemotherapy, 2013, 57, 559-568. | 1.4 | 127 |
| 11 | Synergistic, collaterally sensitive Î²-lactam combinations suppress resistance in MRSA. Nature Chemical Biology, 2015, 11, 855-861. | 3.9 | 126 |
| 12 | Performance of the xTAG Gastrointestinal Pathogen Panel, a Multiplex Molecular Assay for Simultaneous Detection of Bacterial, Viral, and Parasitic Causes of Infectious Gastroenteritis. Journal of Microbiology and Biotechnology, 2013, 23, 1041-1045. | 0.9 | 115 |
| 13 | Multicenter Evaluation of the Vitek MS Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight Mass Spectrometry System for Identification of Gram-Positive Aerobic Bacteria. Journal of Clinical Microbiology, 2013, 51, 2225-2231. | 1.8 | 111 |
| 14 | Optimizing Identification of Clinically Relevant Gram-Positive Organisms by Use of the Bruker Biotyper Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight Mass Spectrometry System. Journal of Clinical Microbiology, 2013, 51, 1421-1427. | 1.8 | 101 |
| 15 | T cells from patients with Candida sepsis display a suppressive immunophenotype. Critical Care, 2016, 20, 15. | 2.5 | 100 |
| 16 | Tetracycline-inactivating enzymes from environmental, human commensal, and pathogenic bacteria cause broad-spectrum tetracycline resistance. Communications Biology, 2020, 3, 241. | 2.0 | 97 |
| 17 | Multicenter Study Evaluating the Vitek MS System for Identification of Medically Important Yeasts. Journal of Clinical Microbiology, 2013, 51, 2267-2272. | 1.8 | 88 |
| 18 | Evaluation of Machine Learning and Rules-Based Approaches for Predicting Antimicrobial Resistance Profiles in Gram-negative Bacilli from Whole Genome Sequence Data. Frontiers in Microbiology, 2016, 7, 1887. | 1.5 | 88 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Optimization of Routine Identification of Clinically Relevant Gram-Negative Bacteria by Use of Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight Mass Spectrometry and the Bruker Biotyper. Journal of Clinical Microbiology, 2013, 51, 1412-1420. | 1.8 | 83 |
| 20 | Evaluation of the BioFire FilmArray Pneumonia Panel for Detection of Viral and Bacterial Pathogens in Lower Respiratory Tract Specimens in the Setting of a Tertiary Care Academic Medical Center. Journal of Clinical Microbiology, 2020, 58, . | 1.8 | 76 |
| 21 | Characterization of Aerosols Generated During Patient Care Activities. Clinical Infectious Diseases, 2017, 65, 1342-1348. | 2.9 | 75 |
| 22 | When Good Bugs Go Bad: Epidemiology and Antimicrobial Resistance Profiles of Corynebacterium striatum, an Emerging Multidrug-Resistant, Opportunistic Pathogen. Antimicrobial Agents and Chemotherapy, 2017, 61, . | 1.4 | 74 |
| 23 | Interleukin 7 immunotherapy improves host immunity and survival in a two-hit model of Pseudomonas aeruginosa pneumonia. Journal of Leukocyte Biology, 2017, 101, 543-554. | 1.5 | 73 |
| 24 | Comparative Genomics of Antibiotic-Resistant Uropathogens Implicates Three Routes for Recurrence of Urinary Tract Infections. MBio, 2019, 10, . | 1.8 | 73 |
| 25 | Evaluation of Oxacillin and Cefoxitin Disk and MIC Breakpoints for Prediction of Methicillin Resistance in Human and Veterinary Isolates of Staphylococcus intermedius Group. Journal of Clinical Microbiology, 2016, 54, 535-542. | 1.8 | 71 |
| 26 | Metabolomic networks connect host-microbiome processes to human Clostridioides difficile infections. Journal of Clinical Investigation, 2019, 129, 3792-3806. | 3.9 | 70 |
| 27 | Diafiltration MALDI-TOF Mass Spectrometry Method for Culture-Independent Detection and Identification of Pathogens Directly From Urine Specimens. American Journal of Clinical Pathology, 2014, 141, 204-212. | 0.4 | 69 |
| 28 | Comparison of Sample Preparation Methods, Instrumentation Platforms, and Contemporary Commercial Databases for Identification of Clinically Relevant Mycobacteria by Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight Mass Spectrometry. Journal of Clinical Microbiology, 2015, 53, 2308-2315. | 1.8 | 66 |
| 29 | Acute and persistent effects of commonly used antibiotics on the gut microbiome and resistome in healthy adults. Cell Reports, 2022, 39, 110649. | 2.9 | 64 |
| 30 | Validation and Implementation of the GeneXpert MRSA/SA Blood Culture Assay in a Pediatric Setting. American Journal of Clinical Pathology, 2011, 136, 690-694. | 0.4 | 63 |
| 31 | Comparison of the Next-Generation Xpert MRSA/SA BC Assay and the GeneOhm StaphSR Assay to Routine Culture for Identification of Staphylococcus aureus and Methicillin-Resistant S. aureus in Positive-Blood-Culture Broths. Journal of Clinical Microbiology, 2015, 53, 804-809. | 1.8 | 63 |
| 32 | Evaluation of the Vitek MS Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight Mass Spectrometry System for Identification of Clinically Relevant Filamentous Fungi. Journal of Clinical Microbiology, 2016, 54, 2068-2073. | 1.8 | 61 |
| 33 | Population Structure, Antibiotic Resistance, and Uropathogenicity of Klebsiella variicola. MBio, 2018, 9, . | 1.8 | 61 |
| 34 | A systematic evaluation of methods to optimize culture-based recovery of Clostridium difficile from stool specimens. Anaerobe, 2013, 19, 39-43. | 1.0 | 60 |
| 35 | Gut Colonization of Healthy Children and Their Mothers With Pathogenic Ciprofloxacin-ResistantEscherichia coli. Journal of Infectious Diseases, 2015, 212, 1862-1868. | 1.9 | 60 |
| 36 | MAPK-Activated Protein Kinase 2 Contributes to Clostridium difficile-Associated Inflammation. Infection and Immunity, 2013, 81, 713-722. | 1.0 | 55 |

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|---|---|---|---|
| 37 | KPC and NDM-1 Genes in RelatedEnterobacteriaceaeStrains and Plasmids from Pakistan and the United States. Emerging Infectious Diseases, 2015, 21, 1034-1037. | 2.0 | 55 |
| 38 | The Continued Value of Disk Diffusion for Assessing Antimicrobial Susceptibility in Clinical Laboratories: Report from the Clinical and Laboratory Standards Institute Methods Development and Standardization Working Group. Journal of Clinical Microbiology, 2018, 56, . | 1.8 | 55 |
| 39 | The Gut Microbiome as a Reservoir for Antimicrobial Resistance. Journal of Infectious Diseases, 2021, 223, S209-S213. | 1.9 | 55 |
| 40 | Clinical Microbiology Is Growing Up: The Total Laboratory Automation Revolution. Clinical Chemistry, 2019, 65, 634-643. | 1.5 | 52 |
| 41 | Longitudinal, strain-specific Staphylococcus aureus introduction and transmission events in households of children with community-associated meticillin-resistant S aureus skin and soft tissue infection: a prospective cohort study. Lancet Infectious Diseases, The, 2020, 20, 188-198. | 4.6 | 51 |
| 42 | Risk Factors for Acquisition and Loss of Clostridium difficile Colonization in Hospitalized Patients. Antimicrobial Agents and Chemotherapy, 2015, 59, 4533-4543. | 1.4 | 49 |
| 43 | Comparing the performance of 3 bioaerosol samplers for influenza virus. Journal of Aerosol Science, 2018, 115, 133-145. | 1.8 | 48 |
| 44 | Contamination of Environmental Surfaces WithStaphylococcus aureusin Households With Children Infected With Methicillin-ResistantS aureus. JAMA Pediatrics, 2014, 168, 1030. | 3.3 | 47 |
| 45 | MALDI-TOF MS identification of anaerobic bacteria: assessment of pre-analytical variables and specimen preparation techniques. Diagnostic Microbiology and Infectious Disease, 2014, 79, 144-148. | 0.8 | 46 |
| 46 | Prevalence of qacA/B Genes and Mupirocin Resistance Among Methicillin-Resistant Staphylococcus aureus (MRSA) Isolates in the Setting of Chlorhexidine Bathing Without Mupirocin. Infection Control and Hospital Epidemiology, 2016, 37, 590-597. | 1.0 | 45 |
| 47 | SARS-CoV-2 E Gene Variant Alters Analytical Sensitivity Characteristics of Viral Detection Using a Commercial Reverse Transcription-PCR Assay. Journal of Clinical Microbiology, 2021, 59, e0007521. | 1.8 | 45 |
| 48 | Binding of group B streptococcal phosphoglycerate kinase to plasminogen and actin. Microbial Pathogenesis, 2011, 51, 255-261. | 1.3 | 42 |
| 49 | Presence of the blaZ beta-lactamase gene in isolates of Staphylococcus aureus that appear penicillin susceptible by conventional phenotypic methods. Diagnostic Microbiology and Infectious Disease, 2012, 74, 388-393. | 0.8 | 42 |
| 50 | Restoration of T Cell function in multi-drug resistant bacterial sepsis after interleukin-7, anti-PD-L1, and OX-40 administration. PLoS ONE, 2018, 13, e0199497. | 1.1 | 42 |
| 51 | New Gram-Positive Agents: the Next Generation of Oxazolidinones and Lipoglycopeptides. Journal of Clinical Microbiology, 2016, 54, 2225-2232. | 1.8 | 41 |
| 52 | Impact of investigational microbiota therapeutic RBX2660 on the gut microbiome and resistome revealed by a placebo-controlled clinical trial. Microbiome, 2020, 8, 125. | 4.9 | 41 |
| 53 | Challenges and Opportunities in Implementing Total Laboratory Automation. Clinical Chemistry, 2018, 64, 259-264. | 1.5 | 40 |
| 54 | Multicenter validation of the VITEK MS v2.0 MALDI-TOF mass spectrometry system for the identification of fastidious gram-negative bacteria. Diagnostic Microbiology and Infectious Disease, 2014, 78, 129-131. | 0.8 | 39 |

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|---|---|---|---|
| 55 | Spatiotemporal dynamics of multidrug resistant bacteria on intensive care unit surfaces. Nature Communications, 2019, 10, 4569. | 5.8 | 39 |
| 56 | Detection of Klebsiella pneumoniae Carbapenemase (KPC) Production in Non-Klebsiella pneumoniae Enterobacteriaceae Isolates by Use of the Phoenix, Vitek 2, and Disk Diffusion Methods. Journal of Clinical Microbiology, 2011, 49, 1143-1147. | 1.8 | 38 |
| 57 | Epidemiology, Clinical Characteristics, and Antimicrobial Susceptibility Profiles of Human Clinical Isolates of Staphylococcus intermedius Group. Journal of Clinical Microbiology, 2018, 56, . | 1.8 | 38 |
| 58 | Diagnosis ofClostridium difficileInfection. JAMA Internal Medicine, 2015, 175, 1801. | 2.6 | 37 |
| 59 | Herbaspirillum Species Bacteremia in a Pediatric Oncology Patient. Journal of Clinical Microbiology, 2010, 48, 4320-4321. | 1.8 | 35 |
| 60 | Phenotypic and Genotypic Analysis of Clostridium difficile Isolates: a Single-Center Study. Journal of Clinical Microbiology, 2014, 52, 4260-4266. | 1.8 | 35 |
| 61 | Multicenter Study Demonstrates Standardization Requirements for Mold Identification by MALDI-TOF MS. Frontiers in Microbiology, 2019, 10, 2098. | 1.5 | 35 |
| 62 | Evaluation of NG-Test Carba 5 for Rapid Phenotypic Detection and Differentiation of Five Common Carbapenemase Families: Results of a Multicenter Clinical Evaluation. Journal of Clinical Microbiology, 2020, 58, . | 1.8 | 34 |
| 63 | The Bacterial Amyloid Curli Is Associated with Urinary Source Bloodstream Infection. PLoS ONE, 2014, 9, e86009. | 1.1 | 33 |
| 64 | Phenotypic and genotypic characterization of linezolid-resistant Enterococcus faecium from the USA and Pakistan. Journal of Antimicrobial Chemotherapy, 2019, 74, 3445-3452. | 1.3 | 33 |
| 65 | Clinical Utility of Advanced Microbiology Testing Tools. Journal of Clinical Microbiology, 2019, 57, . | 1.8 | 33 |
| 66 | Invasion of HeLa cells by group B streptococcus requires the phosphoinositide-3-kinase signalling pathway and modulates phosphorylation of host-cell Akt and glycogen synthase kinase-3. Microbiology (United Kingdom), 2007, 153, 4240-4252. | 0.7 | 32 |
| 67 | Multicenter Evaluation of the Xpert Norovirus Assay for Detection of Norovirus Genogroups I and II in Fecal Specimens. Journal of Clinical Microbiology, 2016, 54, 142-147. | 1.8 | 32 |
| 68 | Diagnostic Assays for Identification of Microorganisms and Antimicrobial Resistance Determinants Directly from Positive Blood Culture Broth. Clinics in Laboratory Medicine, 2013, 33, 651-684. | 0.7 | 31 |
| 69 | Diagnostic accuracy of fungal identification in histopathology and cytopathology specimens. European Journal of Clinical Microbiology and Infectious Diseases, 2018, 37, 157-165. | 1.3 | 31 |
| 70 | Probiotic-Associated Aspiration Pneumonia Due to Lactobacillus rhamnosus. Journal of Clinical Microbiology, 2014, 52, 3124-3126. | 1.8 | 30 |
| 71 | Assessment of Reproducibility of Matrix-Assisted Laser Desorption Ionizationâ€“Time of Flight Mass Spectrometry for Bacterial and Yeast Identification. Journal of Clinical Microbiology, 2015, 53, 2349-2352. | 1.8 | 30 |
| 72 | Rapid Ertapenem Susceptibility Testing and Klebsiella pneumoniae Carbapenemase Phenotype Detection in Klebsiella pneumoniae Isolates by Use of Automated Microscopy of Immobilized Live Bacterial Cells. Journal of Clinical Microbiology, 2014, 52, 982-986. | 1.8 | 29 |

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|---|---|---|---|
| 73 | Evaluation of Genotypic and Phenotypic Methods to Detect Carbapenemase Production in Gram-Negative Bacilli. Clinical Chemistry, 2017, 63, 723-730. | 1.5 | 29 |
| 74 | Evaluation of a Real-Time PCR Assay for Simultaneous Detection of Kingella kingae and Staphylococcus aureus from Synovial Fluid in Suspected Septic Arthritis. Annals of Laboratory Medicine, 2014, 34, 313-316. | 1.2 | 28 |
| 75 | Mechanism of High-Level Daptomycin Resistance in Corynebacterium striatum. MSphere, 2018, 3, . | 1.3 | 28 |
| 76 | Impact of Neonatal Intensive Care Bed Configuration on Rates of Late-Onset Bacterial Sepsis and Methicillin-Resistant Staphylococcus aureus Colonization. Infection Control and Hospital Epidemiology, 2015, 36, 1173-1182. | 1.0 | 27 |
| 77 | Discriminatory Indices of Typing Methods for Epidemiologic Analysis of Contemporary Staphylococcus aureus Strains. Medicine (United States), 2015, 94, e1534. | 0.4 | 27 |
| 78 | Effect of changing urine testing orderables and clinician order sets on inpatient urine culture testing: Analysis from a large academic medical center. Infection Control and Hospital Epidemiology, 2019, 40, 281-286. | 1.0 | 27 |
| 79 | Rac1, RhoA, and Cdc42 participate in HeLa cell invasion by group B streptococcus. FEMS Microbiology Letters, 2007, 272, 8-14. | 0.7 | 26 |
| 80 | Automation in the Clinical Microbiology Laboratory. Clinical Chemistry, 2013, 59, 1696-1702. | 1.5 | 26 |
| 81 | Ventilator-Associated Pneumonia: The Role of Emerging Diagnostic Technologies. Seminars in Respiratory and Critical Care Medicine, 2017, 38, 253-263. | 0.8 | 26 |
| 82 | Rapid MRSA PCR on respiratory specimens from ventilated patients with suspected pneumonia: a tool to facilitate antimicrobial stewardship. European Journal of Clinical Microbiology and Infectious Diseases, 2017, 36, 879-885. | 1.3 | 26 |
| 83 | Impact of total laboratory automation on workflow and specimen processing time for culture of urine specimens. European Journal of Clinical Microbiology and Infectious Diseases, 2018, 37, 2405-2411. | 1.3 | 26 |
| 84 | Interplay of personal, pet, and environmental colonization in households affected by community-associated methicillin-resistant Staphylococcus aureus. Journal of Infection, 2019, 78, 200-207. | 1.7 | 26 |
| 85 | From canines to humans: Clinical importance of Staphylococcus pseudintermedius. PLoS Pathogens, 2021, 17, e1009961. | 2.1 | 26 |
| 86 | Comparative Evaluation of Enteric Bacterial Culture and a Molecular Multiplex Syndromic Panel in Children with Acute Gastroenteritis. Journal of Clinical Microbiology, 2019, 57, . | 1.8 | 25 |
| 87 | Genomic Prediction of Antimicrobial Resistance: Ready or Not, Here It Comes!. Clinical Chemistry, 2020, 66, 1278-1289. | 1.5 | 25 |
| 88 | Randomized Controlled Trial to Determine the Impact of Probiotic Administration on Colonization With Multidrug-Resistant Organisms in Critically Ill Patients. Infection Control and Hospital Epidemiology, 2015, 36, 1451-1454. | 1.0 | 24 |
| 89 | In Silico Analysis of Gardnerella Genomospecies Detected in the Setting of Bacterial Vaginosis. Clinical Chemistry, 2019, 65, 1375-1387. | 1.5 | 24 |
| 90 | Evaluation of Optimal Blood Culture Incubation Time To Maximize Clinically Relevant Results from a Contemporary Blood Culture Instrument and Media System. Journal of Clinical Microbiology, 2021, 59, . | 1.8 | 24 |

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|---|---|---|---|
| 91 | Molecular Epidemiology of Staphylococcus aureus in Households of Children with Community-Associated S aureus Skin and Soft Tissue Infections. Journal of Pediatrics, 2014, 164, 105-111. | 0.9 | 23 |
| 92 | Genomic Characterization of Antibiotic Resistant Escherichia coli Isolated From Domestic Chickens in Pakistan. Frontiers in Microbiology, 2019, 10, 3052. | 1.5 | 23 |
| 93 | Phosphoglycerate kinase inhibits epithelial cell invasion by group B streptococci. Microbial Pathogenesis, 2005, 38, 189-200. | 1.3 | 22 |
| 94 | Development and Evaluation of a Novel, Semiautomated Clostridium difficile Typing Platform. Journal of Clinical Microbiology, 2013, 51, 621-624. | 1.8 | 22 |
| 95 | Septic Arthritis of a Native Knee Joint Due to Corynebacterium striatum. Journal of Clinical Microbiology, 2014, 52, 1786-1788. | 1.8 | 22 |
| 96 | Environmental Methicillin-resistant Staphylococcus aureus Contamination, Persistent Colonization, and Subsequent Skin and Soft Tissue Infection. JAMA Pediatrics, 2020, 174, 552. | 3.3 | 22 |
| 97 | Antibiotic-resistant organisms establish reservoirs in new hospital built environments and are related to patient blood infection isolates. Communications Medicine, 2022, 2, . | 1.9 | 21 |
| 98 | Two Cases of Kerstersia gyiorum Isolated from Sites of Chronic Infection. Journal of Clinical Microbiology, 2013, 51, 2001-2004. | 1.8 | 20 |
| 99 | Investigation of Linezolid Resistance in Staphylococci and Enterococci. Journal of Clinical Microbiology, 2016, 54, 1289-1294. | 1.8 | 20 |
| 100 | Importance of Site of Infection and Antibiotic Selection in the Treatment of Carbapenem-Resistant Pseudomonas aeruginosa Sepsis. Antimicrobial Agents and Chemotherapy, 2018, 62, . | 1.4 | 20 |
| 101 | Comprehensive modeling reveals proximity, seasonality, and hygiene practices as key determinants of MRSA colonization in exposed households. Pediatric Research, 2018, 84, 668-676. | 1.1 | 20 |
| 102 | Randomized Controlled Trial of Oral Vancomycin Treatment in Clostridioides difficile-Colonized Patients. MSphere, 2021, 6, . | 1.3 | 20 |
| 103 | Molecular Epidemiology of Methicillin-resistant Staphylococcus aureus Isolated in Serial Cultures From the Respiratory Tract of Children with Cystic Fibrosis. Pediatric Infectious Disease Journal, 2014, 33, 549-553. | 1.1 | 19 |
| 104 | Criteria for Reducing Unnecessary Testing for Herpes Simplex Virus, Varicella-Zoster Virus, Cytomegalovirus, and Enterovirus in Cerebrospinal Fluid Samples from Adults. Journal of Clinical Microbiology, 2015, 53, 887-895. | 1.8 | 19 |
| 105 | The ABCs of STIs: An Update on Sexually Transmitted Infections. Clinical Chemistry, 2016, 62, 811-823. | 1.5 | 19 |
| 106 | Identification of Nocardia, Streptomyces, and Tsukamurella using MALDI-TOF MS with the Bruker Biotyper. Diagnostic Microbiology and Infectious Disease, 2017, 89, 92-97. | 0.8 | 19 |
| 107 | Susceptibility of Ceftolozane-Tazobactam and Ceftazidime-Avibactam Against a Collection of Î²-Lactam-Resistant Gram-Negative Bacteria. Annals of Laboratory Medicine, 2017, 37, 174-176. | 1.2 | 19 |
| 108 | Diversity of Staphylococcus aureus strains colonizing various niches of the human body. Journal of Infection, 2016, 72, 698-705. | 1.7 | 18 |

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|---|---|---|---|
| 109 | In Vitro Antimicrobial Susceptibility of Staphylococcus pseudintermedius Isolates of Human and Animal Origin. Journal of Clinical Microbiology, 2016, 54, 1391-1394. | 1.8 | 18 |
| 110 | HOME2 Study: Household Versus Personalized Decolonization in Households of Children With Methicillin-Resistant Staphylococcus aureus Skin and Soft Tissue Infectionâ€"A Randomized Clinical Trial. Clinical Infectious Diseases, 2021, 73, e4568-e4577. | 2.9 | 18 |
| 111 | Novel Screening Agar for Detection of Vancomycin-Nonsusceptible Staphylococcus aureus. Journal of Clinical Microbiology, 2010, 48, 949-951. | 1.8 | 17 |
| 112 | Molecular Epidemiology of Recurrent Cutaneous Methicillin-Resistant Staphylococcus aureus Infections in Children. Journal of the Pediatric Infectious Diseases Society, 2014, 3, 261-264. | 0.6 | 17 |
| 113 | Routine Testing for Anaerobic Bacteria in Cerebrospinal Fluid Cultures Improves Recovery of Clinically Significant Pathogens. Journal of Clinical Microbiology, 2014, 52, 1824-1829. | 1.8 | 17 |
| 114 | Evaluation of an Immunochromatographic Assay for Rapid Detection of Penicillin-Binding Protein 2a in Human and Animal Staphylococcus intermedius Group, Staphylococcus lugdunensis, and Staphylococcus schleiferi Clinical Isolates. Journal of Clinical Microbiology, 2016, 54, 745-748. | 1.8 | 17 |
| 115 | Impact of Amoxicillin-Clavulanate followed by Autologous Fecal Microbiota Transplantation on Fecal Microbiome Structure and Metabolic Potential. MSphere, 2018, 3, . | 1.3 | 17 |
| 116 | Evaluation of Oxacillin and Cefoxitin Disk Diffusion and Microbroth Dilution Methods for Detecting mecA -Mediated Î²-Lactam Resistance in Contemporary Staphylococcus epidermidis Isolates. Journal of Clinical Microbiology, 2019, 57, . | 1.8 | 17 |
| 117 | Clinical Effect of Expedited Pathogen Identification and Susceptibility Testing for Gram-Negative Bacteremia and Candidemia by Use of the Accelerate PhenoTM System. journal of applied laboratory medicine, The, 2019, 3, 569-579. | 0.6 | 17 |
| 118 | Comparative Genomics of Bacteroides fragilis Group Isolates Reveals Species-Dependent Resistance Mechanisms and Validates Clinical Tools for Resistance Prediction. MBio, 2022, 13, e0360321. | 1.8 | 17 |
| 119 | Shiga Toxin-Producing Escherichia coli: a Single-Center, 11-Year Pediatric Experience. Journal of Clinical Microbiology, 2014, 52, 3647-3653. | 1.8 | 16 |
| 120 | Brown-Pigmented Mycobacterium mageritense as a Cause of Prosthetic Valve Endocarditis and Bloodstream Infection. Journal of Clinical Microbiology, 2015, 53, 2777-2780. | 1.8 | 16 |
| 121 | Topical Decolonization Does Not Eradicate the Skin Microbiota of Community-Dwelling or Hospitalized Adults. Antimicrobial Agents and Chemotherapy, 2016, 60, 7303-7312. | 1.4 | 16 |
| 122 | Impact of Time to Appropriate Therapy on Mortality in Patients with Vancomycin-Intermediate Staphylococcus aureus Infection. Antimicrobial Agents and Chemotherapy, 2016, 60, 5546-5553. | 1.4 | 16 |
| 123 | The Brief Case: Bacteremia and Vertebral Osteomyelitis Due to Staphylococcus schleiferi. Journal of Clinical Microbiology, 2017, 55, 3157-3161. | 1.8 | 16 |
| 124 | Enhanced Recovery of Fastidious Organisms from Urine Culture in the Setting of Total Laboratory Automation. Journal of Clinical Microbiology, 2018, 56, . | 1.8 | 16 |
| 125 | Multicenter Evaluation of the New Etest Gradient Diffusion Method for Piperacillin-Tazobactam Susceptibility Testing of Enterobacterales , Pseudomonas aeruginosa , and Acinetobacter baumannii Complex. Journal of Clinical Microbiology, 2020, 58, . | 1.8 | 16 |
| 126 | The Effects of â€œDry Swabâ€•Incubation on SARS-CoV-2 Molecular Testing. journal of applied laboratory medicine, The, 2021, 6, 1281-1286. | 0.6 | 16 |

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|---|---|---|---|
| 127 | Multi-omics investigation of Clostridioides difficile-colonized patients reveals pathogen and commensal correlates of C. difficile pathogenesis. ELife, 2022, 11, . | 2.8 | 16 |
| 128 | Isolation of SARS-CoV-2 in Viral Cell Culture in Immunocompromised Patients With Persistently Positive RT-PCR Results. Frontiers in Cellular and Infection Microbiology, 2022, 12, 804175. | 1.8 | 16 |
| 129 | Catheter-Associated Nocardia higoensis Bacteremia in a Child with Acute Lymphocytic Leukemia. Journal of Clinical Microbiology, 2011, 49, 469-471. | 1.8 | 15 |
| 130 | Mycoplasma pneumoniae Periprosthetic Joint Infection Identified by 16S Ribosomal RNA Gene Amplification and Sequencing. Journal of Bone and Joint Surgery - Series A, 2011, 93, e103. | 1.4 | 15 |
| 131 | The Molecular and Clinical Epidemiology of Extended-Spectrum Cephalosporinâ€“ and Carbapenem-Resistant Enterobacteriaceae at 4 US Pediatric Hospitals. Journal of the Pediatric Infectious Diseases Society, 2017, 6, 366-375. | 0.6 | 15 |
| 132 | Multicenter Evaluation of the Xpert MRSA NxG Assay for Detection of Methicillin-Resistant Staphylococcus aureus in Nasal Swabs. Journal of Clinical Microbiology, 2018, 56, . | 1.8 | 15 |
| 133 | Evaluation of Surrogate Tests for the Presence of mecA -Mediated Methicillin Resistance in Staphylococcus capitis, Staphylococcus haemolyticus, Staphylococcus hominis, and Staphylococcus warneri. Journal of Clinical Microbiology, 2020, 59, . | 1.8 | 15 |
| 134 | Antibiotic-driven intestinal dysbiosis in pediatric short bowel syndrome is associated with persistently altered microbiome functions and gut-derived bloodstream infections. Gut Microbes, 2021, 13, 1940792. | 4.3 | 15 |
| 135 | Superficieibacter electus gen. nov., sp. nov., an Extended-Spectrum Î²-Lactamase Possessing Member of the Enterobacteriaceae Family, Isolated From Intensive Care Unit Surfaces. Frontiers in Microbiology, 2018, 9, 1629. | 1.5 | 14 |
| 136 | Human ehrlichiosis at a tertiary-care academic medical center: Clinical associations and outcomes of transplant patients and patients with hemophagocytic lymphohistiocytosis. Blood Cells, Molecules, and Diseases, 2019, 77, 17-22. | 0.6 | 14 |
| 137 | Comparison of Microorganism Detection and Time to Positivity in Pediatric and Standard Media from Three Major Commercial Continuously Monitored Blood Culture Systems. Journal of Clinical Microbiology, 2021, 59, e0042921. | 1.8 | 14 |
| 138 | An Evaluation of Food as a Potential Source forClostridium difficileAcquisition in Hospitalized Patients. Infection Control and Hospital Epidemiology, 2016, 37, 1401-1407. | 1.0 | 13 |
| 139 | Clostridium difficileâ€"Diagnostic and Clinical Challenges. Clinical Chemistry, 2016, 62, 310-314. | 1.5 | 13 |
| 140 | The Role of Procalcitonin in Diagnosis of Sepsis and Antibiotic Stewardship: Opportunities and Challenges. Clinical Chemistry, 2017, 63, 1436-1441. | 1.5 | 13 |
| 141 | Evaluation of Correlation between Pretest Probability for Clostridium difficile Infection and Clostridium difficile Enzyme Immunoassay Results. Journal of Clinical Microbiology, 2017, 55, 596-605. | 1.8 | 13 |
| 142 | Multicenter Evaluation of the Etest Gradient Diffusion Method for Ceftolozane-Tazobactam Susceptibility Testing of Enterobacteriaceae and Pseudomonas aeruginosa. Journal of Clinical Microbiology, 2018, 56, . | 1.8 | 13 |
| 143 | Improved Performance of a Rapid Immunochromatographic Assay for Detection of PBP2a in Non-Staphylococcus aureus Staphylococcal Species. Journal of Clinical Microbiology, 2019, 57, . | 1.8 | 13 |
| 144 | Genomic Characterization of Emerging Bacterial Uropathogen Neisseria meningitidis, Which Was Misidentified as Neisseria gonorrhoeae by Nucleic Acid Amplification Testing. Journal of Clinical Microbiology, 2021, 59, . | 1.8 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Persisting uropathogenic Escherichia coli lineages show signatures of niche-specific within-host adaptation mediated by mobile genetic elements. Cell Host and Microbe, 2022, 30, 1034-1047.e6. | 5.1 | 13 |
| 146 | Adhesin genes and serum resistance in Haemophilus influenzae type f isolates. Journal of Medical Microbiology, 2013, 62, 514-524. | 0.7 | 12 |
| 147 | Markers of Intestinal Inflammation for the Diagnosis of Infectious Gastroenteritis. Clinics in Laboratory Medicine, 2015, 35, 333-344. | 0.7 | 12 |
| 148 | The Importance of Colonization with Clostridium difficile on Infection and Transmission. Current Infectious Disease Reports, 2015, 17, 499. | 1.3 | 12 |
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