

Barbara C Kahl

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

5,885
citations

76326

40
h-index

76900

74
g-index

81
all docs

81
docs citations

81
times ranked

5932
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Role of Efflux in Antibiotic Resistance of <i>Achromobacter xylosoxidans</i> and <i>Achromobacter insuavis</i> Isolates From Patients With Cystic Fibrosis. <i>Frontiers in Microbiology</i> , 2022, 13, 762307. | 3.5 | 9 |
| 2 | Correlations of Host and Bacterial Characteristics with Clinical Parameters and Survival in <i>Staphylococcus aureus</i> Bacteremia. <i>Journal of Clinical Medicine</i> , 2021, 10, 1371. | 2.4 | 3 |
| 3 | <i>Staphylococcus aureus</i> induces an itaconate-dominated immunometabolic response that drives biofilm formation. <i>Nature Communications</i> , 2021, 12, 1399. | 12.8 | 72 |
| 4 | Allergic Reactions to Serine Protease-Like Proteins of <i>Staphylococcus aureus</i> . <i>Frontiers in Immunology</i> , 2021, 12, 651060. | 4.8 | 8 |
| 5 | Association of Diverse <i>Staphylococcus aureus</i> Populations with <i>Pseudomonas aeruginosa</i> Coinfection and Inflammation in Cystic Fibrosis Airway Infection. <i>MSphere</i> , 2021, 6, e0035821. | 2.9 | 15 |
| 6 | An Innovative Protocol for Metaproteomic Analyses of Microbial Pathogens in Cystic Fibrosis Sputum. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 724569. | 3.9 | 6 |
| 7 | <i>Staphylococcus aureus</i> and Cystic Fibrosis—A Close Relationship. What Can We Learn from Sequencing Studies?. <i>Pathogens</i> , 2021, 10, 1177. | 2.8 | 12 |
| 8 | Importance of superoxide dismutases A and M for protection of <i>Staphylococcus aureus</i> in the oxidative stressful environment of cystic fibrosis airways. <i>Cellular Microbiology</i> , 2020, 22, e13158. | 2.1 | 14 |
| 9 | Gram Staining: a Comparison of Two Automated Systems and Manual Staining. <i>Journal of Clinical Microbiology</i> , 2020, 58, . | 3.9 | 12 |
| 10 | <i>Staphylococcus aureus</i> Pathogenicity in Cystic Fibrosis Patients—Results from an Observational Prospective Multicenter Study Concerning Virulence Genes, Phylogeny, and Gene Plasticity. <i>Toxins</i> , 2020, 12, 279. | 3.4 | 9 |
| 11 | The Virulence Potential of Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Cultured from the Airways of Cystic Fibrosis Patients. <i>Toxins</i> , 2020, 12, 360. | 3.4 | 5 |
| 12 | Antibiotic Treatment and Age Are Associated With <i>Staphylococcus aureus</i> Carriage Profiles During Persistence in the Airways of Cystic Fibrosis Patients. <i>Frontiers in Microbiology</i> , 2020, 11, 230. | 3.5 | 9 |
| 13 | Finding the relevance of antimicrobial stewardship for cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2020, 19, 511-520. | 0.7 | 18 |
| 14 | <i>Pseudomonas aeruginosa</i> Utilizes Host-Derived Itaconate to Redirect Its Metabolism to Promote Biofilm Formation. <i>Cell Metabolism</i> , 2020, 31, 1091-1106.e6. | 16.2 | 109 |
| 15 | Interference with <i>Pseudomonas aeruginosa</i> Quorum Sensing and Virulence by the Mycobacterial <i>Pseudomonas</i> Quinolone Signal Dioxygenase AqdC in Combination with the <i>N</i> -Acylhomoserine Lactone Lactonase QsdA. <i>Infection and Immunity</i> , 2019, 87, . | 2.2 | 12 |
| 16 | Phenotypic and Genotypic Characterization of <i>Escherichia coli</i> Causing Urinary Tract Infections in Kidney-Transplanted Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 988. | 2.4 | 13 |
| 17 | A retrospective analysis of the pathogens in the airways of patients with primary ciliary dyskinesia. <i>Respiratory Medicine</i> , 2019, 156, 69-77. | 2.9 | 16 |
| 18 | The prevalence of <i>Staphylococcus aureus</i> with mucoid phenotype in the airways of patients with cystic fibrosis—A prospective study. <i>International Journal of Medical Microbiology</i> , 2019, 309, 283-287. | 3.6 | 15 |

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|----|---|------|-----------|
| 19 | High Nuclease Activity of Long Persisting <i>Staphylococcus aureus</i> Isolates Within the Airways of Cystic Fibrosis Patients Protects Against NET-Mediated Killing. <i>Frontiers in Immunology</i> , 2019, 10, 2552. | 4.8 | 37 |
| 20 | <i>Staphylococcus aureus</i> in the airways of cystic fibrosis patients - A retrospective long-term study. <i>International Journal of Medical Microbiology</i> , 2018, 308, 631-639. | 3.6 | 53 |
| 21 | Adaptation of <i>Staphylococcus aureus</i> to Airway Environments in Patients With Cystic Fibrosis by Upregulation of Superoxide Dismutase M and Iron-Scavenging Proteins. <i>Journal of Infectious Diseases</i> , 2018, 217, 1453-1461. | 4.0 | 20 |
| 22 | In vivo competition and horizontal gene transfer among distinct <i>Staphylococcus aureus</i> lineages as major drivers for adaptational changes during long-term persistence in humans. <i>BMC Microbiology</i> , 2018, 18, 152. | 3.3 | 24 |
| 23 | The clinical impact of livestock-associated methicillin-resistant <i>Staphylococcus aureus</i> of the clonal complex 398 for humans. <i>Veterinary Microbiology</i> , 2017, 200, 33-38. | 1.9 | 71 |
| 24 | Mechanisms of intrinsic resistance and acquired susceptibility of <i>Pseudomonas aeruginosa</i> isolated from cystic fibrosis patients to temocillin, a revived antibiotic. <i>Scientific Reports</i> , 2017, 7, 40208. | 3.3 | 34 |
| 25 | Reduced Immunoglobulin (Ig) G Response to <i>Staphylococcus aureus</i> in STAT3 Hyper-IgE Syndrome. <i>Clinical Infectious Diseases</i> , 2017, 64, 1279-1282. | 5.8 | 10 |
| 26 | Acquired resistance to macrolides in <i>Pseudomonas aeruginosa</i> from cystic fibrosis patients. <i>European Respiratory Journal</i> , 2017, 49, 1601847. | 6.7 | 42 |
| 27 | Male kidney allograft recipients at risk for urinary tract infection?. <i>PLoS ONE</i> , 2017, 12, e0188262. | 2.5 | 10 |
| 28 | Antimicrobial Susceptibility of <i>Pseudomonas aeruginosa</i> Isolated from Cystic Fibrosis Patients in Northern Europe. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6735-6741. | 3.2 | 43 |
| 29 | High-level resistance to meropenem in clinical isolates of <i>Pseudomonas aeruginosa</i> in the absence of carbapenemases: role of active efflux and porin alterations. <i>International Journal of Antimicrobial Agents</i> , 2016, 48, 740-743. | 2.5 | 55 |
| 30 | Lack of Sphingosine Causes Susceptibility to Pulmonary <i>Staphylococcus Aureus</i> Infections in Cystic Fibrosis. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 2094-2102. | 1.6 | 59 |
| 31 | Clinical Significance and Pathogenesis of Staphylococcal Small Colony Variants in Persistent Infections. <i>Clinical Microbiology Reviews</i> , 2016, 29, 401-427. | 13.6 | 265 |
| 32 | Chromosomally and Extrachromosomally Mediated High-Level Gentamicin Resistance in <i>Streptococcus agalactiae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1702-1707. | 3.2 | 16 |
| 33 | Factors Associated with Worse Lung Function in Cystic Fibrosis Patients with Persistent <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2016, 11, e0166220. | 2.5 | 70 |
| 34 | Dynamic in vivo mutations within the <i>ica</i> operon during persistence of <i>Staphylococcus aureus</i> in the airways of cystic fibrosis patients. <i>PLoS Pathogens</i> , 2016, 12, e1006024. | 4.7 | 50 |
| 35 | Increased Prevalence and Resistance of Important Pathogens Recovered from Respiratory Specimens of Cystic Fibrosis Patients During a Decade. <i>Pediatric Infectious Disease Journal</i> , 2015, 34, 700-705. | 2.0 | 40 |
| 36 | Transcriptional adaptations during long-term persistence of <i>Staphylococcus aureus</i> in the airways of a cystic fibrosis patient. <i>International Journal of Medical Microbiology</i> , 2015, 305, 38-46. | 3.6 | 19 |

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|----|--|-----|-----------|
| 37 | Avibactam confers susceptibility to a large proportion of ceftazidime-resistant <i>Pseudomonas aeruginosa</i> isolates recovered from cystic fibrosis patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1596-1598. | 3.0 | 27 |
| 38 | Microarray-based identification of human antibodies against <i>Staphylococcus aureus</i> antigens. <i>Proteomics - Clinical Applications</i> , 2015, 9, 1003-1011. | 1.6 | 21 |
| 39 | Prevalence of <i>Scenedosporium</i> species and <i>Lomentospora prolificans</i> in patients with cystic fibrosis in a multicenter trial by use of a selective medium. <i>Journal of Cystic Fibrosis</i> , 2015, 14, 237-241. | 0.7 | 81 |
| 40 | Thymidine-Dependent <i>Staphylococcus aureus</i> Small-Colony Variants Are Induced by Trimethoprim-Sulfamethoxazole (SXT) and Have Increased Fitness during SXT Challenge. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7265-7272. | 3.2 | 50 |
| 41 | Fatal infections caused by methicillin-resistant <i>Staphylococcus aureus</i> of clonal complex 398: case presentations and molecular epidemiology. <i>JMM Case Reports</i> , 2015, 2, . | 1.3 | 7 |
| 42 | <i>Staphylococcus aureus</i> Small Colony Variants (SCVs): a road map for the metabolic pathways involved in persistent infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 99. | 3.9 | 189 |
| 43 | <i>Staphylococcus aureus</i> small colony variants show common metabolic features in central metabolism irrespective of the underlying auxotrophism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 141. | 3.9 | 65 |
| 44 | Inactivation of <i>thyA</i> in <i>Staphylococcus aureus</i> Attenuates Virulence and Has a Strong Impact on Metabolism and Virulence Gene Expression. <i>MBio</i> , 2014, 5, e01447-14. | 4.1 | 70 |
| 45 | Assessment of Microbiological Diagnostic Procedures for Respiratory Specimens from Cystic Fibrosis Patients in German Laboratories by Use of a Questionnaire. <i>Journal of Clinical Microbiology</i> , 2014, 52, 977-979. | 3.9 | 4 |
| 46 | Prevalence and persistence of <i>Escherichia coli</i> in the airways of cystic fibrosis patients—An unrecognized CF pathogen?. <i>International Journal of Medical Microbiology</i> , 2014, 304, 415-421. | 3.6 | 21 |
| 47 | Small colony variants (SCVs) of <i>Staphylococcus aureus</i> — A bacterial survival strategy. <i>Infection, Genetics and Evolution</i> , 2014, 21, 515-522. | 2.3 | 98 |
| 48 | Retrospective analysis of antimicrobial resistance and bacterial spectrum of infection in Gabon, Central Africa. <i>BMC Infectious Diseases</i> , 2013, 13, 455. | 2.9 | 63 |
| 49 | Extended <i>Staphylococcus aureus</i> persistence in cystic fibrosis is associated with bacterial adaptation. <i>International Journal of Medical Microbiology</i> , 2013, 303, 685-692. | 3.6 | 83 |
| 50 | Antibiotic activity against small-colony variants of <i>Staphylococcus aureus</i> : review of in vitro, animal and clinical data. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 1455-1464. | 3.0 | 154 |
| 51 | The Epidemic of Extended-Spectrum-β-Lactamase-Producing <i>Escherichia coli</i> ST131 Is Driven by a Single Highly Pathogenic Subclone, <i>H30-Rx</i> . <i>MBio</i> , 2013, 4, e00377-13. | 4.1 | 380 |
| 52 | Predictive Diagnostics for <i>Escherichia coli</i> Infections Based on the Clonal Association of Antimicrobial Resistance and Clinical Outcome. <i>Journal of Clinical Microbiology</i> , 2013, 51, 2991-2999. | 3.9 | 62 |
| 53 | Influence of the Protein Kinase C Activator Phorbol Myristate Acetate on the Intracellular Activity of Antibiotics against Hemin- and Menadione-Auxotrophic Small-Colony Variant Mutants of <i>Staphylococcus aureus</i> and Their Wild-Type Parental Strain in Human THP-1 Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 6166-6174. | 3.2 | 13 |
| 54 | Intracellular forms of menadione-dependent small-colony variants of methicillin-resistant <i>Staphylococcus aureus</i> are hypersusceptible to β-lactams in a THP-1 cell model due to cooperation between vacuolar acidic pH and oxidant species. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2873-2881. | 3.0 | 15 |

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|----|---|------|-----------|
| 55 | The Length of the <i>Staphylococcus aureus</i> Protein A Polymorphic Region Regulates Inflammation: Impact on Acute and Chronic Infection. <i>Journal of Infectious Diseases</i> , 2012, 206, 81-90. | 4.0 | 32 |
| 56 | Comparative in vitro activity of finafloxacin against staphylococci displaying normal and small colony variant phenotypes. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 2809-2813. | 3.0 | 23 |
| 57 | <i>Staphylococcus aureus</i> Panton-Valentine Leukocidin Is a Very Potent Cytotoxic Factor for Human Neutrophils. <i>PLoS Pathogens</i> , 2010, 6, e1000715. | 4.7 | 356 |
| 58 | Impact of <i>Staphylococcus aureus</i> on the pathogenesis of chronic cystic fibrosis lung disease. <i>International Journal of Medical Microbiology</i> , 2010, 300, 514-519. | 3.6 | 88 |
| 59 | Non- <i>spa</i> -Typeable Clinical <i>Staphylococcus aureus</i> Strains Are Naturally Occurring Protein A Mutants. <i>Journal of Clinical Microbiology</i> , 2009, 47, 3624-3629. | 3.9 | 61 |
| 60 | Characterization of Clinical <i>Enterococcus faecalis</i> Small-Colony Variants. <i>Journal of Clinical Microbiology</i> , 2009, 47, 2802-2811. | 3.9 | 44 |
| 61 | Emergence of Respiratory <i>Streptococcus agalactiae</i> Isolates in Cystic Fibrosis Patients. <i>PLoS ONE</i> , 2009, 4, e4650. | 2.5 | 15 |
| 62 | In Vivo Mutations of Thymidylate Synthase (Encoded by <i>thyA</i>) Are Responsible for Thymidine Dependency in Clinical Small-Colony Variants of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2008, 190, 834-842. | 2.2 | 113 |
| 63 | The Thymidine-Dependent Small-Colony-Variant Phenotype Is Associated with Hypermutability and Antibiotic Resistance in Clinical <i>Staphylococcus aureus</i> Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2183-2189. | 3.2 | 73 |
| 64 | Nasal <i>Staphylococcus aureus</i> Carriage Is Not a Risk Factor for Lower-Airway Infection in Young Cystic Fibrosis Patients. <i>Journal of Clinical Microbiology</i> , 2007, 45, 2979-2984. | 3.9 | 24 |
| 65 | Enhanced Post-Stationary-Phase Survival of a Clinical Thymidine-Dependent Small-Colony Variant of <i>Staphylococcus aureus</i> Results from Lack of a Functional Tricarboxylic Acid Cycle. <i>Journal of Bacteriology</i> , 2007, 189, 2936-2940. | 2.2 | 42 |
| 66 | MICROBIOLOGY: Mayhem in the Lung. <i>Science</i> , 2007, 315, 1082-1083. | 12.6 | 16 |
| 67 | High phenotypic diversity in infecting but not in colonizing <i>Staphylococcus aureus</i> populations. <i>Environmental Microbiology</i> , 2007, 9, 3134-3142. | 3.8 | 49 |
| 68 | Small colony variants: a pathogenic form of bacteria that facilitates persistent and recurrent infections. <i>Nature Reviews Microbiology</i> , 2006, 4, 295-305. | 28.6 | 1,004 |
| 69 | Multiple virulence factors are required for <i>Staphylococcus aureus</i> -induced apoptosis in endothelial cells. <i>Cellular Microbiology</i> , 2005, 7, 1087-1097. | 2.1 | 143 |
| 70 | Thymidine-Dependent <i>Staphylococcus aureus</i> Small-Colony Variants Are Associated with Extensive Alterations in Regulator and Virulence Gene Expression Profiles. <i>Infection and Immunity</i> , 2005, 73, 4119-4126. | 2.2 | 105 |
| 71 | Evaluation of Two Chromogenic Agar Media for Recovery and Identification of <i>Staphylococcus aureus</i> Small-Colony Variants. <i>Journal of Clinical Microbiology</i> , 2005, 43, 1956-1959. | 3.9 | 40 |
| 72 | <i>Staphylococcus aureus</i> small colony variants are resistant to the antimicrobial peptide lactoferricin B. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 56, 1126-1129. | 3.0 | 44 |

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| 73 | Variation of the Polymorphic Region X of the Protein A Gene during Persistent Airway Infection of Cystic Fibrosis Patients Reflects Two Independent Mechanisms of Genetic Change in <i>Staphylococcus aureus</i> . <i>Journal of Clinical Microbiology</i> , 2005, 43, 502-505. | 3.9 | 104 |
| 74 | Increased Frequency of Genomic Alterations in <i>Staphylococcus aureus</i> during Chronic Infection Is in Part Due to Phage Mobilization. <i>Journal of Infectious Diseases</i> , 2004, 189, 724-734. | 4.0 | 99 |
| 75 | Population Dynamics of Persistent <i>Staphylococcus aureus</i> Isolated from the Airways of Cystic Fibrosis Patients during a 6-Year Prospective Study. <i>Journal of Clinical Microbiology</i> , 2003, 41, 4424-4427. | 3.9 | 161 |
| 76 | Thymidine-Dependent Small-Colony Variants of <i>Staphylococcus aureus</i> Exhibit Gross Morphological and Ultrastructural Changes Consistent with Impaired Cell Separation. <i>Journal of Clinical Microbiology</i> , 2003, 41, 410-413. | 3.9 | 89 |
| 77 | <i>agr</i> -Dependent Bacterial Interference Has No Impact on Long-Term Colonization of <i>Staphylococcus aureus</i> during Persistent Airway Infection of Cystic Fibrosis Patients. <i>Journal of Clinical Microbiology</i> , 2003, 41, 5199-5201. | 3.9 | 24 |
| 78 | <i>Staphylococcus aureus</i> RN6390 Replicates and Induces Apoptosis in a Pulmonary Epithelial Cell Line. <i>Infection and Immunity</i> , 2000, 68, 5385-5392. | 2.2 | 189 |
| 79 | Bloodstream Infections Caused by Small-Colony Variants of Coagulase-Negative Staphylococci Following Pacemaker Implantation. <i>Clinical Infectious Diseases</i> , 1999, 29, 932-934. | 5.8 | 72 |
| 80 | Staphylococcal Small Colony Variants Have Novel Mechanisms for Antibiotic Resistance. <i>Clinical Infectious Diseases</i> , 1998, 27, S68-S74. | 5.8 | 172 |
| 81 | CMV-DNA detection in parenchymatous organs in cases of AIDS. <i>International Journal of Legal Medicine</i> , 1995, 107, 291-295. | 2.2 | 25 |