

Burkhard Tämmeler

List of Publications by Year in descending order

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Version: 2024-02-01

174
papers

10,264
citations

30551

56
h-index

45040

94
g-index

250
all docs

250
docs citations

250
times ranked

10639
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Disease-related blood-based differential methylation in cystic fibrosis and its representation in lung cancer revealed a regulatory locus in <i>PKP3</i> in lung epithelial cells. <i>Epigenetics</i> , 2022, 17, 837-860. | 1.3 | 1 |
| 2 | Clinical presentation and basic defect of the CFTR genotype p.Phe508del / p.Arg117His in a mother and her monozygous twin daughters. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 375-377. | 0.3 | 0 |
| 3 | CFTR modulation with elexacaftor-tezacaftor-ivacaftor in people with cystic fibrosis assessed by the β -adrenergic sweat rate assay. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 442-447. | 0.3 | 10 |
| 4 | Direct RNA Nanopore Sequencing of <i>Pseudomonas aeruginosa</i> Clone C Transcriptomes. <i>Journal of Bacteriology</i> , 2022, 204, JB0041821. | 1.0 | 13 |
| 5 | Bacterial low-abundant taxa are key determinants of a healthy airway metagenome in the early years of human life. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 175-186. | 1.9 | 16 |
| 6 | Effects of Elexacaftor/Tezacaftor/Ivacaftor Therapy on CFTR Function in Patients with Cystic Fibrosis and One or Two <i>F508del</i> Alleles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 540-549. | 2.5 | 78 |
| 7 | Effects of Elexacaftor/Tezacaftor/Ivacaftor Therapy on Lung Clearance Index and Magnetic Resonance Imaging in Patients with Cystic Fibrosis and One or Two <i>F508del</i> Alleles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 311-320. | 2.5 | 49 |
| 8 | Bacterial <i>tRNA</i> landscape revisited. <i>Environmental Microbiology</i> , 2022, , . | 1.8 | 2 |
| 9 | Immunotyping of clinically divergent p.Phe508del homozygous monozygous cystic fibrosis twins. <i>Journal of Cystic Fibrosis</i> , 2021, 20, 149-153. | 0.3 | 3 |
| 10 | VJ Segment Usage of TCR-Beta Repertoire in Monozygotic Cystic Fibrosis Twins. <i>Frontiers in Immunology</i> , 2021, 12, 599133. | 2.2 | 2 |
| 11 | Lysine 268 adjacent to transmembrane helix 5 of hamster α -glycoprotein is the major photobinding site of iodomyacin in CHO B30 cells. <i>FEBS Open Bio</i> , 2021, 11, 1084-1092. | 1.0 | 0 |
| 12 | Rescue from <i>Pseudomonas aeruginosa</i> Airway Infection via Stem Cell Transplantation. <i>Molecular Therapy</i> , 2021, 29, 1324-1334. | 3.7 | 6 |
| 13 | Identification of core and rare species in metagenome samples based on shotgun metagenomic sequencing, Fourier transforms and spectral comparisons. <i>ISME Communications</i> , 2021, 1, . | 1.7 | 14 |
| 14 | Survival Benefits Following Liver Transplantation: A Matched-pair Analysis in Pediatric Patients With Cystic Fibrosis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2021, 73, 385-390. | 0.9 | 3 |
| 15 | Consistent Assignment of Risk and Benign Allele at rs2303153 in the CF Modifier Gene <i>SCNN1B</i> in Three Independent <i>F508del</i> -CFTR Homozygous Patient Populations. <i>Genes</i> , 2021, 12, 1554. | 1.0 | 2 |
| 16 | The <i>Pseudomonas aeruginosa</i> whole genome sequence: A 20th anniversary celebration. <i>Advances in Microbial Physiology</i> , 2021, 79, 25-88. | 1.0 | 7 |
| 17 | Sequence diversity of the <i>Pseudomonas aeruginosa</i> population in loci that undergo microevolution in cystic fibrosis airways. <i>Access Microbiology</i> , 2021, 3, 000286. | 0.2 | 4 |
| 18 | Progress in understanding the molecular pathology and microbiology of cystic fibrosis. <i>Lancet Respiratory Medicine</i> , 2020, 8, 8-10. | 5.2 | 9 |

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|----|--|------|-----------|
| 19 | A critical review of definitions used to describe <i>Pseudomonas aeruginosa</i> microbiological status in patients with cystic fibrosis for application in clinical trials. <i>Journal of Cystic Fibrosis</i> , 2020, 19, 52-67. | 0.3 | 9 |
| 20 | Molecular epidemiology in current times. <i>Environmental Microbiology</i> , 2020, 22, 4909-4918. | 1.8 | 16 |
| 21 | Intestinal current measurement and nasal potential difference to make a diagnosis of cases with inconclusive <i>CFTR</i> genetics and sweat test. <i>BMJ Open Respiratory Research</i> , 2020, 7, e000736. | 1.2 | 18 |
| 22 | Why? “ Successful <i>Pseudomonas aeruginosa</i> clones with a focus on clone C. <i>FEMS Microbiology Reviews</i> , 2020, 44, 740-762. | 3.9 | 22 |
| 23 | The human respiratory tract microbial community structures in healthy and cystic fibrosis infants. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 61. | 2.9 | 18 |
| 24 | Phenotypic and Genomic Comparison of the Two Most Common ExoU-Positive <i>Pseudomonas aeruginosa</i> Clones, PA14 and ST235. <i>MSystems</i> , 2020, 5, . | 1.7 | 19 |
| 25 | Intraclonal competitive fitness of longitudinal cystic fibrosis <i>Pseudomonas aeruginosa</i> airway isolates in liquid cultures. <i>Environmental Microbiology</i> , 2020, 22, 2536-2549. | 1.8 | 7 |
| 26 | Genetic information from discordant sibling pairs points to ESRP2 as a candidate trans-acting regulator of the CF modifier gene SCNN1B. <i>Scientific Reports</i> , 2020, 10, 22447. | 1.6 | 4 |
| 27 | Mild cystic fibrosis in carriers of two nonsense mutations “ a case of genetic compensation response?. <i>Journal of Cystic Fibrosis</i> , 2019, 18, e51-e52. | 0.3 | 2 |
| 28 | Metabolite profiling of the cold adaptation of <i>Pseudomonas putida</i> KT2440 and cold-sensitive mutants. <i>Environmental Microbiology Reports</i> , 2019, 11, 777-783. | 1.0 | 1 |
| 29 | Emerging therapies against infections with <i>Pseudomonas aeruginosa</i> . <i>F1000Research</i> , 2019, 8, 1371. | 0.8 | 64 |
| 30 | Metagenome “ Inferred bacterial replication rates in cystic fibrosis airways. <i>Journal of Cystic Fibrosis</i> , 2019, 18, 653-656. | 0.3 | 6 |
| 31 | Self-assembled peptide-poloxamine nanoparticles enable in vitro and in vivo genome restoration for cystic fibrosis. <i>Nature Nanotechnology</i> , 2019, 14, 287-297. | 15.6 | 86 |
| 32 | A unique methylation pattern by a type I HsdM methyltransferase prepares for DpnI rare cutting sites in the <i>Pseudomonas aeruginosa</i> PAO1 genome. <i>FEMS Microbiology Letters</i> , 2019, 366, . | 0.7 | 2 |
| 33 | Functional analysis of the p.[Arg74Trp;Val201Met;Asp1270Asn]/p.Phe508del <i>CFTR</i> mutation genotype in human native colon. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e00526. | 0.6 | 5 |
| 34 | Low transmission risk of <i>Pseudomonas aeruginosa</i> in a bronchiectasis clinic based on the knowledge of bacterial population biology. <i>European Respiratory Journal</i> , 2019, 53, 1802191. | 3.1 | 4 |
| 35 | Assessment of a Mobile App by Adolescents and Young Adults With Cystic Fibrosis: Pilot Evaluation. <i>JMIR MHealth and UHealth</i> , 2019, 7, e12442. | 1.8 | 15 |
| 36 | Long-Term Microevolution of <i>Pseudomonas aeruginosa</i> Differs between Mildly and Severely Affected Cystic Fibrosis Lungs. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 246-256. | 1.4 | 42 |

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|----|---|-----|-----------|
| 37 | The <i>Pseudomonas aeruginosa</i> ExoY phenotype of high-copy-number recombinants is not detectable in natural isolates. <i>Open Biology</i> , 2018, 8, 170250. | 1.5 | 9 |
| 38 | Airway microbial metagenomics. <i>Microbes and Infection</i> , 2018, 20, 536-542. | 1.0 | 6 |
| 39 | Multicentre standardisation of chest MRI as radiation-free outcome measure of lung disease in young children with cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2018, 17, 518-527. | 0.3 | 68 |
| 40 | Impact of sample processing on human airways microbial metagenomes. <i>Journal of Biotechnology</i> , 2017, 250, 51-55. | 1.9 | 10 |
| 41 | Adherence of <i>Pseudomonas aeruginosa</i> to cystic fibrosis buccal epithelial cells. <i>ERJ Open Research</i> , 2017, 3, 00095-2016. | 1.1 | 1 |
| 42 | Variability of sweat chloride – A never ending story. <i>Journal of Cystic Fibrosis</i> , 2017, 16, 7-8. | 0.3 | 1 |
| 43 | Multilocus amplicon sequencing of <i>Pseudomonas aeruginosa</i> cystic fibrosis airways isolates collected prior to and after early antipseudomonal chemotherapy. <i>Journal of Cystic Fibrosis</i> , 2017, 16, 346-352. | 0.3 | 6 |
| 44 | Key role of an ADP-ribose - dependent transcriptional regulator of NAD metabolism for fitness and virulence of <i>Pseudomonas aeruginosa</i> . <i>International Journal of Medical Microbiology</i> , 2017, 307, 83-94. | 1.5 | 23 |
| 45 | An informative intragenic microsatellite marker suggests the IL-1 receptor as a genetic modifier in cystic fibrosis. <i>European Respiratory Journal</i> , 2017, 50, 1700426. | 3.1 | 8 |
| 46 | Recent advances in understanding <i>Pseudomonas aeruginosa</i> as a pathogen. <i>F1000Research</i> , 2017, 6, 1261. | 0.8 | 147 |
| 47 | Oxygen-dependent regulation of c-di-GMP synthesis by SadC controls alginate production in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2016, 18, 3390-3402. | 1.8 | 19 |
| 48 | Intraclonal genome diversity of the major <i>Pseudomonas aeruginosa</i> clones C and PA14. <i>Environmental Microbiology Reports</i> , 2016, 8, 227-234. | 1.0 | 41 |
| 49 | Molecular Epidemiology of Mutations in Antimicrobial Resistance Loci of <i>Pseudomonas aeruginosa</i> Isolates from Airways of Cystic Fibrosis Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6726-6734. | 1.4 | 43 |
| 50 | Three-base periodicity of sites of sequence variation in <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> core genomes. <i>FEBS Letters</i> , 2016, 590, 3538-3543. | 1.3 | 1 |
| 51 | SNP synteny analysis of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> population genomics. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw229. | 0.7 | 2 |
| 52 | Mechanism of allele specific assembly and disruption of master regulator transcription factor complexes of NF- κ Bp50, NF- κ Bp65 and HIF1a on a non-coding FAS SNP. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1411-1428. | 0.9 | 5 |
| 53 | Classification of CFTR mutation classes. <i>Lancet Respiratory Medicine</i> , 2016, 4, e36. | 5.2 | 11 |
| 54 | The cystic fibrosis lower airways microbial metagenome. <i>ERJ Open Research</i> , 2016, 2, 00096-2015. | 1.1 | 59 |

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|----|---|------|-----------|
| 55 | Nasal potential difference of carriers of the W493R ENaC variant with non-cystic fibrosis bronchiectasis. <i>European Respiratory Journal</i> , 2016, 47, 322-324. | 3.1 | 8 |
| 56 | Non-allergic asthma as a CFTR-related disorder. <i>Journal of Cystic Fibrosis</i> , 2016, 15, 641-644. | 0.3 | 17 |
| 57 | Filtration and Normalization of Sequencing Read Data in Whole-Metagenome Shotgun Samples. <i>PLoS ONE</i> , 2016, 11, e0165015. | 1.1 | 22 |
| 58 | Factors Associated with Worse Lung Function in Cystic Fibrosis Patients with Persistent <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2016, 11, e0166220. | 1.1 | 70 |
| 59 | Comparative genomics and biological characterization of sequential <i>Pseudomonas aeruginosa</i> isolates from persistent airways infection. <i>BMC Genomics</i> , 2015, 16, 1105. | 1.2 | 50 |
| 60 | Habitat-associated skew of clone abundance in the <i>Pseudomonas aeruginosa</i> population. <i>Environmental Microbiology Reports</i> , 2015, 7, 955-960. | 1.0 | 43 |
| 61 | Clinical utilization of genomics data produced by the international <i>Pseudomonas aeruginosa</i> consortium. <i>Frontiers in Microbiology</i> , 2015, 6, 1036. | 1.5 | 144 |
| 62 | Interclonal gradient of virulence in the <i>Pseudomonas aeruginosa</i> pangenome from disease and environment. <i>Environmental Microbiology</i> , 2015, 17, 29-46. | 1.8 | 113 |
| 63 | cCMP and cUMP occur in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 909-914. | 1.0 | 31 |
| 64 | Computational Approaches for Metagenomic Datasets. , 2015, , 1-12. | | 0 |
| 65 | The CF-modifying gene EHF promotes p.Phe508del-CFTR residual function by altering protein glycosylation and trafficking in epithelial cells. <i>European Journal of Human Genetics</i> , 2014, 22, 660-666. | 1.4 | 26 |
| 66 | In vivo imaging of bioluminescent <i>Pseudomonas aeruginosa</i> in an acute murine airway infection model. <i>Pathogens and Disease</i> , 2014, 72, 74-77. | 0.8 | 15 |
| 67 | Gerd Döring (1948-2013). <i>FEMS Microbiology Letters</i> , 2014, 356, 250-251. | 0.7 | 0 |
| 68 | Impaired TLR4 and HIF expression in cystic fibrosis bronchial epithelial cells downregulates hemeoxygenase-1 and alters iron homeostasis in vitro. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L791-L799. | 1.3 | 32 |
| 69 | Current concepts: host-pathogen interactions in cystic fibrosis airways disease. <i>European Respiratory Review</i> , 2014, 23, 320-332. | 3.0 | 55 |
| 70 | The extensive set of accessory <i>Pseudomonas aeruginosa</i> genomic components. <i>FEMS Microbiology Letters</i> , 2014, 356, 235-241. | 0.7 | 55 |
| 71 | The stony road to phe508del CFTR pharmacotherapy: smoothing the first rock. <i>Lancet Respiratory Medicine</i> , 2014, 2, 508-509. | 5.2 | 0 |
| 72 | AhR sensing of bacterial pigments regulates antibacterial defence. <i>Nature</i> , 2014, 512, 387-392. | 13.7 | 309 |

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|----|--|-----|-----------|
| 73 | Genotyping Methods. Methods in Molecular Biology, 2014, 1149, 33-47. | 0.4 | 1 |
| 74 | Assessing Pseudomonas Virulence Using Mammalian Models: Acute Infection Model. Methods in Molecular Biology, 2014, 1149, 773-791. | 0.4 | 9 |
| 75 | Advances in understanding Pseudomonas. F1000prime Reports, 2014, 6, 9. | 5.9 | 44 |
| 76 | Intraclonal genome diversity of Pseudomonas aeruginosa clones CHA and TB. BMC Genomics, 2013, 14, 416. | 1.2 | 21 |
| 77 | Developing an international <i>Pseudomonas aeruginosa</i> reference panel. MicrobiologyOpen, 2013, 2, 1010-1023. | 1.2 | 94 |
| 78 | Intraclonal diversity of the <i>Pseudomonas aeruginosa</i> cystic fibrosis airway isolates TBCF10839 and TBCF121838: distinct signatures of transcriptome, proteome, metabolome, adherence and pathogenicity despite an almost identical genome sequence. Environmental Microbiology, 2013, 15, 191-210. | 1.8 | 66 |
| 79 | Advances in computational analysis of metagenome sequences. Environmental Microbiology, 2013, 15, 1-5. | 1.8 | 38 |
| 80 | Mutation-specific therapy in cystic fibrosis: the earlier, the better. Lancet Respiratory Medicine, 2013, 1, 591-592. | 5.2 | 1 |
| 81 | CLCA4 variants determine the manifestation of the cystic fibrosis basic defect in the intestine. European Journal of Human Genetics, 2013, 21, 691-694. | 1.4 | 11 |
| 82 | Complete Genome Sequence of Persistent Cystic Fibrosis Isolate Pseudomonas aeruginosa Strain RP73. Genome Announcements, 2013, 1, . | 0.8 | 41 |
| 83 | Effective prevention of Pseudomonas aeruginosa cross-infection at a cystic fibrosis centre – Results of a 10-year prospective study. International Journal of Medical Microbiology, 2012, 302, 69-77. | 1.5 | 30 |
| 84 | Genometa - A Fast and Accurate Classifier for Short Metagenomic Shotgun Reads. PLoS ONE, 2012, 7, e41224. | 1.1 | 35 |
| 85 | Molecular Epidemiology of Chronic Pseudomonas aeruginosa Airway Infections in Cystic Fibrosis. PLoS ONE, 2012, 7, e50731. | 1.1 | 61 |
| 86 | Lung function and inflammation during murine Pseudomonas aeruginosa airway infection. Immunobiology, 2011, 216, 901-908. | 0.8 | 31 |
| 87 | Pseudomonas aeruginosa Genomic Structure and Diversity. Frontiers in Microbiology, 2011, 2, 150. | 1.5 | 261 |
| 88 | Microevolution of the major common <i>Pseudomonas aeruginosa</i> clones C and PA14 in cystic fibrosis lungs. Environmental Microbiology, 2011, 13, 1690-1704. | 1.8 | 136 |
| 89 | Genes that determine immunology and inflammation modify the basic defect of impaired ion conductance in cystic fibrosis epithelia. Journal of Medical Genetics, 2011, 48, 24-31. | 1.5 | 62 |
| 90 | In-Vivo Expression Profiling of Pseudomonas aeruginosa Infections Reveals Niche-Specific and Strain-Independent Transcriptional Programs. PLoS ONE, 2011, 6, e24235. | 1.1 | 53 |

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|-----|---|------|-----------|
| 91 | Comparative genomics of green sulfur bacteria. <i>Photosynthesis Research</i> , 2010, 104, 137-152. | 1.6 | 12 |
| 92 | Genome Diversity of <i>Pseudomonas aeruginosa</i> PAO1 Laboratory Strains. <i>Journal of Bacteriology</i> , 2010, 192, 1113-1121. | 1.0 | 242 |
| 93 | Head-Out Spirometry Accurately Monitors the Course of <i>Pseudomonas aeruginosa</i> Lung Infection in Mice. <i>Respiration</i> , 2010, 80, 340-346. | 1.2 | 21 |
| 94 | Intestinal current measurement for diagnostic classification of patients with questionable cystic fibrosis: validation and reference data. <i>Thorax</i> , 2010, 65, 594-599. | 2.7 | 110 |
| 95 | Clonal epidemiology of <i>Pseudomonas aeruginosa</i> in cystic fibrosis. <i>International Journal of Medical Microbiology</i> , 2010, 300, 526-533. | 1.5 | 58 |
| 96 | Functional analysis of F508del CFTR in native human colon. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 1062-1069. | 1.8 | 27 |
| 97 | Accumulation of ceramide in the trachea and intestine of cystic fibrosis mice causes inflammation and cell death. <i>Biochemical and Biophysical Research Communications</i> , 2010, 403, 368-374. | 1.0 | 51 |
| 98 | <i>Pseudomonas aeruginosa</i> Microevolution during Cystic Fibrosis Lung Infection Establishes Clones with Adapted Virulence. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 138-145. | 2.5 | 247 |
| 99 | <i>Caenorhabditis elegans</i> Semi-Automated Liquid Screen Reveals a Specialized Role for the Chemotaxis Gene <i>cheB2</i> in <i>Pseudomonas aeruginosa</i> Virulence. <i>PLoS Pathogens</i> , 2009, 5, e1000540. | 2.1 | 87 |
| 100 | EuroCareCF Quality Assessment of Diagnostic Microbiology of Cystic Fibrosis Isolates. <i>Journal of Clinical Microbiology</i> , 2009, 47, 3435-3438. | 1.8 | 31 |
| 101 | Mutations in the amiloride-sensitive epithelial sodium channel in patients with cystic fibrosis-like disease. <i>Human Mutation</i> , 2009, 30, 1093-1103. | 1.1 | 82 |
| 102 | Multiple roles of <i>Pseudomonas aeruginosa</i> TBCF10839 PilY1 in motility, transport and infection. <i>Molecular Microbiology</i> , 2009, 71, 730-747. | 1.2 | 50 |
| 103 | Visualization of <i>Pseudomonas</i> genomic structure by abundant 8-14mer oligonucleotides. <i>Environmental Microbiology</i> , 2009, 11, 1092-1104. | 1.8 | 8 |
| 104 | <i>Pseudomonas aeruginosa</i> Population Biology in Chronic Obstructive Pulmonary Disease. <i>Journal of Infectious Diseases</i> , 2009, 200, 1928-1935. | 1.9 | 67 |
| 105 | Ceramide accumulation mediates inflammation, cell death and infection susceptibility in cystic fibrosis. <i>Nature Medicine</i> , 2008, 14, 382-391. | 15.2 | 501 |
| 106 | Global features of the <i>Alcanivorax borkumensis</i> SK2 genome. <i>Environmental Microbiology</i> , 2008, 10, 614-625. | 1.8 | 28 |
| 107 | Think big – giant genes in bacteria. <i>Environmental Microbiology</i> , 2008, 10, 768-777. | 1.8 | 62 |
| 108 | The SeqWord Genome Browser: an online tool for the identification and visualization of atypical regions of bacterial genomes through oligonucleotide usage. <i>BMC Bioinformatics</i> , 2008, 9, 333. | 1.2 | 37 |

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|-----|--|-----|-----------|
| 109 | The Neglected Intrinsic Resistome of Bacterial Pathogens. PLoS ONE, 2008, 3, e1619. | 1.1 | 257 |
| 110 | Fitness of Isogenic Colony Morphology Variants of <i>Pseudomonas aeruginosa</i> in Murine Airway Infection. PLoS ONE, 2008, 3, e1685. | 1.1 | 33 |
| 111 | Mukoviszidose. , 2008, , 1077-1083. | | 0 |
| 112 | Population structure of <i>Pseudomonas aeruginosa</i> . Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8101-8106. | 3.3 | 284 |
| 113 | Crystal structure of the electron transfer complex rubredoxinâ€“rubredoxin reductase of <i>Pseudomonas aeruginosa</i> . Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12276-12281. | 3.3 | 65 |
| 114 | Diversity of the Abundant pKLC102/PAGI-2 Family of Genomic Islands in <i>Pseudomonas aeruginosa</i> . Journal of Bacteriology, 2007, 189, 2443-2459. | 1.0 | 123 |
| 115 | Biological cost of hypermutation in <i>Pseudomonas aeruginosa</i> strains from patients with cystic fibrosis. Microbiology (United Kingdom), 2007, 153, 1445-1454. | 0.7 | 85 |
| 116 | Functional genomics of <i>Pseudomonas aeruginosa</i> to identify habitat-specific determinants of pathogenicity. International Journal of Medical Microbiology, 2007, 297, 615-623. | 1.5 | 39 |
| 117 | An intragenic deletion in pilQ leads to nonpiliation of a <i>Pseudomonas aeruginosa</i> strain isolated from cystic fibrosis lung. FEMS Microbiology Letters, 2007, 270, 201-206. | 0.7 | 20 |
| 118 | Functional Genomics of Stress Response in <i>Pseudomonas putida</i> KT2440. Journal of Bacteriology, 2006, 188, 4079-4092. | 1.0 | 127 |
| 119 | Rescue of F508del CFTR: Commentary on â€œF508del CFTR with two altered RXR motifs escapes from ER quality control but its channel activity is thermally sensitiveâ€• [Biochim. Biophys. Acta Biomembranes]. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 563-564. | 1.4 | 1 |
| 120 | The TNFÎ± receptor TNFRSF1A and genes encoding the amiloride-sensitive sodium channel ENaC as modulators in cystic fibrosis. Human Genetics, 2006, 119, 331-343. | 1.8 | 43 |
| 121 | Sequence diversity of the mucABD locus in <i>Pseudomonas aeruginosa</i> isolates from patients with cystic fibrosis. Microbiology (United Kingdom), 2006, 152, 3261-3269. | 0.7 | 115 |
| 122 | Clonal Variations in <i>Pseudomonas aeruginosa</i> . , 2006, , 35-68. | | 28 |
| 123 | Murine pulmonary infection with <i>Listeria monocytogenes</i> : differential susceptibility of BALB/c, C57BL/6 and DBA/2 mice. Microbes and Infection, 2005, 7, 600-611. | 1.0 | 39 |
| 124 | Activities of <i>Pseudomonas aeruginosa</i> Effectors Secreted by the Type III Secretion System In Vitro and during Infection. Infection and Immunity, 2005, 73, 1695-1705. | 1.0 | 220 |
| 125 | Quorum sensing: the power of cooperation in the world of <i>Pseudomonas</i> . Environmental Microbiology, 2005, 7, 459-471. | 1.8 | 347 |
| 126 | Differentiation of regions with atypical oligonucleotide composition in bacterial genomes. BMC Bioinformatics, 2005, 6, 251. | 1.2 | 38 |

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|-----|---|-----|-----------|
| 127 | A Cystic Fibrosis Epidemic Strain of <i>Pseudomonas aeruginosa</i> Displays Enhanced Virulence and Antimicrobial Resistance. <i>Journal of Bacteriology</i> , 2005, 187, 4908-4920. | 1.0 | 183 |
| 128 | Pyoverdine Receptor: a Case of Positive Darwinian Selection in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2005, 187, 3289-3292. | 1.0 | 35 |
| 129 | Genome-Wide Transcriptional Profiling of the Steady-State Response of <i>Pseudomonas aeruginosa</i> to Hydrogen Peroxide. <i>Journal of Bacteriology</i> , 2005, 187, 2565-2572. | 1.0 | 85 |
| 130 | Structure of <i>Pseudomonas aeruginosa</i> Populations Analyzed by Single Nucleotide Polymorphism and Pulsed-Field Gel Electrophoresis Genotyping. <i>Journal of Bacteriology</i> , 2004, 186, 4228-4237. | 1.0 | 84 |
| 131 | Expression Analysis of a Highly Adherent and Cytotoxic Small Colony Variant of <i>Pseudomonas aeruginosa</i> Isolated from a Lung of a Patient with Cystic Fibrosis. <i>Journal of Bacteriology</i> , 2004, 186, 3837-3847. | 1.0 | 93 |
| 132 | Sequence Analysis of the Mobile Genome Island pKLC102 of <i>Pseudomonas aeruginosa</i> C. <i>Journal of Bacteriology</i> , 2004, 186, 518-534. | 1.0 | 168 |
| 133 | Global features of sequences of bacterial chromosomes, plasmids and phages revealed by analysis of oligonucleotide usage patterns. <i>BMC Bioinformatics</i> , 2004, 5, 90. | 1.2 | 43 |
| 134 | The CLCA gene locus as a modulator of the gastrointestinal basic defect in cystic fibrosis. <i>Human Genetics</i> , 2004, 115, 483-491. | 1.8 | 51 |
| 135 | Proteome analysis of intraclonal diversity of two <i>Pseudomonas aeruginosa</i> TB clone isolates. <i>Proteomics</i> , 2004, 4, 1241-1246. | 1.3 | 14 |
| 136 | Global regulation of quorum sensing and virulence by VqsR in <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 831-841. | 0.7 | 144 |
| 137 | <i>Pseudomonas aeruginosa</i> and <i>Burkholderia cepacia</i> in cystic fibrosis: genome evolution, interactions and adaptation. <i>International Journal of Medical Microbiology</i> , 2004, 294, 123-131. | 1.5 | 117 |
| 138 | Inter- and Intraclonal Diversity of the <i>Pseudomonas aeruginosa</i> Proteome Manifests within the Secretome. <i>Journal of Bacteriology</i> , 2003, 185, 5807-5814. | 1.0 | 65 |
| 139 | Highly adherent small-colony variants of <i>Pseudomonas aeruginosa</i> in cystic fibrosis lung infection. <i>Journal of Medical Microbiology</i> , 2003, 52, 295-301. | 0.7 | 194 |
| 140 | Sequence Comparison of the Whole Murine and Human CLCA Locus Reveals Conserved Synteny Between Both Species. <i>Journal of Genome Science and Technology</i> , 2003, 2, 149-154. | 0.7 | 10 |
| 141 | Gene Islands Integrated into tRNA Gly Genes Confer Genome Diversity on a <i>Pseudomonas aeruginosa</i> Clone. <i>Journal of Bacteriology</i> , 2002, 184, 6665-6680. | 1.0 | 164 |
| 142 | Global features of the <i>Pseudomonas putida</i> KT2440 genome sequence. <i>Environmental Microbiology</i> , 2002, 4, 809-818. | 1.8 | 107 |
| 143 | Genome Codon Index of <i>Pseudomonas aeruginosa</i> : A Codon Index That Utilizes Whole Genome Sequence Data. <i>Journal of Genome Science and Technology</i> , 2002, 1, 61-70. | 0.7 | 5 |
| 144 | GeneChip Expression Analysis of the Response of <i>Pseudomonas aeruginosa</i> to Paraquat-Induced Superoxide Stress. <i>Journal of Genome Science and Technology</i> , 2002, 1, 165-174. | 0.7 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Study of pyoverdine type and production by <i>Pseudomonas aeruginosa</i> isolated from cystic fibrosis patients: prevalence of type II pyoverdine isolates and accumulation of pyoverdine-negative mutations. <i>Archives of Microbiology</i> , 2001, 175, 384-388. | 1.0 | 181 |
| 146 | Identification and localization of three photobinding sites of iodoarylazidoprazosin in hamster P-glycoprotein. <i>FEBS Journal</i> , 2001, 268, 2629-2634. | 0.2 | 29 |
| 147 | Synthesis of Multiple N-Acylhomoserine Lactones is Wide-spread Among the Members of the <i>Burkholderia cepacia</i> Complex. <i>Systematic and Applied Microbiology</i> , 2001, 24, 1-14. | 1.2 | 139 |
| 148 | Chloride conductance and genetic background modulate the cystic fibrosis phenotype of Δ F508 homozygous twins and siblings. <i>Journal of Clinical Investigation</i> , 2001, 108, 1705-1715. | 3.9 | 135 |
| 149 | Production of N-acyl-L-homoserine lactones by <i>P. aeruginosa</i> isolates from chronic lung infections associated with cystic fibrosis. <i>FEMS Microbiology Letters</i> , 2000, 184, 273-278. | 0.7 | 73 |
| 150 | Categories of Δ F508 homozygous cystic fibrosis twin and sibling pairs with distinct phenotypic characteristics. <i>Twin Research and Human Genetics</i> , 2000, 3, 277-293. | 1.5 | 103 |
| 151 | Residual chloride secretion in intestinal tissue of Δ F508 homozygous twins and siblings with cystic fibrosis. <i>Gastroenterology</i> , 2000, 119, 32-40. | 0.6 | 91 |
| 152 | Monitoring genome evolution ex vivo: reversible chromosomal integration of a 106 kb plasmid at two <i>tRNA^{Ala}</i> gene loci in sequential <i>Pseudomonas aeruginosa</i> airway isolates The GenBank accession numbers for the sequences reported in this paper are AF285416 and AF285426. <i>Microbiology (United Kingdom)</i> 146: 53-60 (2002) | 0.7 | 53 |
| 153 | Iodomycin and iodipine, a structural analogue of azidopine, bind to a common domain in hamster P-glycoprotein. <i>FEBS Journal</i> , 1999, 264, 800-805. | 0.2 | 13 |
| 154 | Cystic fibrosis: an inherited susceptibility to bacterial respiratory infections. <i>Trends in Molecular Medicine</i> , 1999, 5, 351-358. | 2.6 | 111 |
| 155 | Δ F508 CFTR protein expression in tissues from patients with cystic fibrosis. <i>Journal of Clinical Investigation</i> , 1999, 103, 1379-1389. | 3.9 | 237 |
| 156 | Cloning of prokaryotic genomes in yeast artificial chromosomes: Application to the population genetics of <i>Pseudomonas aeruginosa</i> . <i>Electrophoresis</i> , 1998, 19, 486-494. | 1.3 | 17 |
| 157 | Structural and functional implications of sequence diversity of <i>Pseudomonas aeruginosa</i> genes <i>rbcA</i> , <i>ampC</i> and <i>fliC</i> . <i>Electrophoresis</i> , 1998, 19, 545-550. | 1.3 | 20 |
| 158 | Localization of the Iodomycin Binding Site in Hamster P-glycoprotein. <i>Journal of Biological Chemistry</i> , 1997, 272, 20913-20919. | 1.6 | 37 |
| 159 | Large genome rearrangements discovered by the detailed analysis of 21 <i>Pseudomonas aeruginosa</i> clone C isolates found in environment and disease habitats 1 Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1997, 271, 386-404. | 2.0 | 124 |
| 160 | CFTR: a multifaceted epithelial molecule. <i>Trends in Cell Biology</i> , 1997, 7, 250-251. | 3.6 | 7 |
| 161 | Genetic diversity of flagellins of <i>Pseudomonas aeruginosa</i> . <i>FEBS Letters</i> , 1996, 396, 213-217. | 1.3 | 69 |
| 162 | Macrorestriction Mapping and Analysis of Bacterial Genomes. , 1996, , 165-195. | | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Analysis of microsatellites by direct blotting electrophoresis and chemiluminescence detection. <i>Electrophoresis</i> , 1995, 16, 1886-1888. | 1.3 | 18 |
| 164 | Transcript analysis of CFTR nonsense mutations in lymphocytes and nasal epithelial cells from cystic fibrosis patients. <i>Human Mutation</i> , 1995, 5, 210-220. | 1.1 | 52 |
| 165 | A physical genome map of the <i>Burkholderia cepacia</i> type strain. <i>Molecular Microbiology</i> , 1995, 17, 57-67. | 1.2 | 95 |
| 166 | Gradient of genomic diversity in the <i>Pseudomonas aeruginosa</i> chromosome. <i>Molecular Microbiology</i> , 1995, 17, 323-332. | 1.2 | 49 |
| 167 | Quantitative expression patterns of multidrug-resistance P-glycoprotein (MDR1) and differentially spliced cystic-fibrosis transmembrane-conductance regulator mRNA transcripts in human epithelia. <i>FEBS Journal</i> , 1992, 206, 137-149. | 0.2 | 92 |
| 168 | Physical genome analysis of bacteria. <i>Electrophoresis</i> , 1992, 13, 626-631. | 1.3 | 52 |
| 169 | Quantitation of mRNA by the kinetic polymerase chain reaction assay: A tool for monitoring P-glycoprotein gene expression. <i>Analytical Biochemistry</i> , 1991, 196, 161-169. | 1.1 | 90 |
| 170 | Membrane Lipids of Multidrug-Resistant Cells: Chemical Composition and Physical State. , 1991, , 263-276. | | 7 |
| 171 | Equilibrium, kinetic and photoaffinity labeling studies of daunomycin binding to P-glycoprotein-containing membranes of multidrug-resistant Chinese hamster ovary cells. <i>FEBS Journal</i> , 1989, 183, 189-197. | 0.2 | 38 |
| 172 | Long-term tobramycin aerosol therapy in cystic fibrosis. <i>Pediatric Pulmonology</i> , 1989, 6, 91-98. | 1.0 | 133 |
| 173 | Membrane permeability of <i>Pseudomonas aeruginosa</i> to 4-quinolones. <i>Zentralblatt Fur Bakteriologie, Mikrobiologie, Und Hygiene Series A, Medical Microbiology, Infectious Diseases, Virology, Parasitology</i> , 1987, 265, 197-202. | 0.5 | 5 |
| 174 | Categories of Δ F508 homozygous cystic fibrosis twin and sibling pairs with distinct phenotypic characteristics. , 0, . | | 7 |