

# Andreas DÃ¶tsch

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

3,139  
citations

201674

27  
h-index

189892

50  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4432  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Gut Microbiome Composition in Obese and Non-Obese Persons: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2022, 14, 12.   | 4.1  | 121       |
| 2  | The Core Human Microbiome: Does It Exist and How Can We Find It? A Critical Review of the Concept. <i>Nutrients</i> , 2022, 14, 2872.  | 4.1  | 16        |
| 3  | Microbiological findings in early and late implant loss: an observational clinical case-controlled study. <i>BMC Oral Health</i> , 2021, 21, 112.  | 2.3  | 16        |
| 4  | Identification and Characterization of Human Observational Studies in Nutritional Epidemiology on Gut Microbiomics for Joint Data Analysis. <i>Nutrients</i> , 2021, 13, 3292.   | 4.1  | 6         |
| 5  | Influence of salt concentration and iodized table salt on the microbiota of fermented cucumbers. <i>Food Microbiology</i> , 2020, 92, 103552.  | 4.2  | 19        |
| 6  | From an extremophilic community to an electroautotrophic production strain: identifying a novel <i>Knallgas</i> bacterium as cathodic biofilm biocatalyst. <i>ISME Journal</i> , 2020, 14, 1125-1140.  | 9.8  | 28        |
| 7  | Specific Wheat Fractions Influence Hepatic Fat Metabolism in Diet-Induced Obese Mice. <i>Nutrients</i> , 2019, 11, 2348.   | 4.1  | 9         |
| 8  | Draft Genome Sequences of Type Strains of <i>Gordonibacter faecihominis</i> , <i>Paraeggerthella hongkongensis</i> , <i>Parvibacter caecicola</i> , <i>Slackia equolifaciens</i> , <i>Slackia faecicanis</i> , and <i>Slackia isoflavonicvertens</i> . <i>Microbiology Resource Announcements</i> , 2019, 8, . | 0.6  | 9         |
| 9  | Efficient Extraction from Mice Feces for NMR Metabolomics Measurements with Special Emphasis on SCFAs. <i>Metabolites</i> , 2019, 9, 55.   | 2.9  | 8         |
| 10 | Efficient Bioelectrochemical Conversion of Industrial Wastewater by Specific Strain Isolation and Community Adaptation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 23.  | 4.1  | 4         |
| 11 | The influence of an anti-inflammatory diet on gingivitis. A randomized controlled trial. <i>Journal of Clinical Periodontology</i> , 2019, 46, 481-490.  | 4.9  | 85        |
| 12 | Live-dead discrimination analysis, qPCR assessment for opportunistic pathogens, and population analysis at ozone wastewater treatment plants. <i>Environmental Pollution</i> , 2018, 232, 571-579.   | 7.5  | 57        |
| 13 | Does the antidiabetic drug metformin affect embryo development and the health of brown trout ( <i>Salmo trutta f. fario</i> )?. <i>Environmental Sciences Europe</i> , 2018, 30, 48.   | 5.5  | 29        |
| 14 | Draft Genome Sequence of <i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Enteritidis MS 501, a Potential Human Pathogen Isolated from Red Lettuce ( <i>Lactuca sativa</i> var. <i>capitata</i> ) in Karlsruhe, Germany. <i>Microbiology Resource Announcements</i> , 2018, 7, .                      | 0.6  | 4         |
| 15 | Insights into the variability of microbial community composition and micropollutant degradation in diverse biological wastewater treatment systems. <i>Water Research</i> , 2018, 143, 313-324.  | 11.3 | 81        |
| 16 | Impact of dental cement on the peri-implant biofilm—microbial comparison of two different cements in an in vivo observational study. <i>Clinical Implant Dentistry and Related Research</i> , 2018, 20, 806-813.   | 3.7  | 19        |
| 17 | Resilience, Dynamics, and Interactions within a Model Multispecies Exoelectrogenic-Biofilm Community. <i>Applied and Environmental Microbiology</i> , 2017, 83, .  | 3.1  | 37        |
| 18 | Ability of phages to infect <i>Acinetobacter calcoaceticus</i> – <i>Acinetobacter baumannii</i> complex species through acquisition of different pectate lyase depolymerase domains. <i>Environmental Microbiology</i> , 2017, 19, 5060-5077.  | 3.8  | 81        |

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|----|---|-----|-----------|
| 19 | Profiling 5-tolyltriazole biodegrading sludge communities using next-generation sequencing and denaturing gradient gel electrophoresis. <i>Systematic and Applied Microbiology</i> , 2017, 40, 508-515.                                     | 2.8 | 8         |
| 20 | Investigation on the anaerobic propionate degradation by <i>Escherichia coli</i> K12. <i>Molecular Microbiology</i> , 2017, 103, 55-66.   | 2.5 | 20        |
| 21 | A Genotypic Analysis of Five <i>P. aeruginosa</i> Strains after Biofilm Infection by Phages Targeting Different Cell Surface Receptors. <i>Frontiers in Microbiology</i> , 2017, 8, 1229.   | 3.5 | 41        |
| 22 | Enzyme-Mediated Quenching of the <i>Pseudomonas</i> Quinolone Signal (PQS) Promotes Biofilm Formation of <i>Pseudomonas aeruginosa</i> by Increasing Iron Availability. <i>Frontiers in Microbiology</i> , 2016, 7, 1978.                   | 3.5 | 23        |
| 23 | RNASeq Based Transcriptional Profiling of <i>Pseudomonas aeruginosa</i> PA14 after Short- and Long-Term Anoxic Cultivation in Synthetic Cystic Fibrosis Sputum Medium. <i>PLoS ONE</i> , 2016, 11, e0147811.                                | 2.5 | 42        |
| 24 | Effect of dental cements on peri-implant microbial community: comparison of the microbial communities inhabiting the peri-implant tissue when using different luting cements. <i>Clinical Oral Implants Research</i> , 2016, 27, e161-e166. | 4.5 | 17        |
| 25 | Transcriptome Profiling of Antimicrobial Resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4722-4733.  | 3.2 | 67        |
| 26 | Ozone treatment of conditioned wastewater selects antibiotic resistance genes, opportunistic bacteria, and induce strong population shifts. <i>Science of the Total Environment</i> , 2016, 559, 103-112.                                   | 8.0 | 206       |
| 27 | Zellfreie Biom mineralisation: Charakterisierung molekularer Komponenten der Biom mineralisation mittels Biotyping von Coccolithophoriden. <i>Chemie-Ingenieur-Technik</i> , 2016, 88, 1405-1406.   | 0.8 | 0         |
| 28 | A dynamic periplasmic electron transfer network enables respiratory flexibility beyond a thermodynamic regulatory regime. <i>ISME Journal</i> , 2015, 9, 1802-1811.   | 9.8 | 134       |
| 29 | Elucidation of Sigma Factor-Associated Networks in <i>Pseudomonas aeruginosa</i> Reveals a Modular Architecture with Limited and Function-Specific Crosstalk. <i>PLoS Pathogens</i> , 2015, 11, e1004744.                                   | 4.7 | 134       |
| 30 | Constitutive production of c-di-GMP is associated with mutations in a variant of <i>Pseudomonas aeruginosa</i> with altered membrane composition. <i>Science Signaling</i> , 2015, 8, ra36.   | 3.6 | 49        |
| 31 | The <i>Pseudomonas aeruginosa</i> Transcriptional Landscape Is Shaped by Environmental Heterogeneity and Genetic Variation. <i>MBio</i> , 2015, 6, e00749.  | 4.1 | 73        |
| 32 | <i>Pseudomonas aeruginosa</i> LysR PA4203 Regulator NmoR Acts as a Repressor of the PA4202 <i>nmoA</i> Gene, Encoding a Nitronate Monooxygenase. <i>Journal of Bacteriology</i> , 2015, 197, 1026-1039.                                     | 2.2 | 9         |
| 33 | Whole genome and transcriptome analyses of environmental antibiotic sensitive and multi-resistant <i>Pseudomonas aeruginosa</i> isolates exposed to waste water and tap water. <i>Microbial Biotechnology</i> , 2015, 8, 116-130.           | 4.2 | 21        |
| 34 | Knockout of Extracytoplasmic Function Sigma Factor ECF-10 Affects Stress Resistance and Biofilm Formation in <i>Pseudomonas putida</i> KT2440. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4911-4919.                         | 3.1 | 27        |
| 35 | The peptide chain release factor methyltransferase <i>PrmC</i> is essential for pathogenicity and environmental adaptation of <i>Pseudomonas aeruginosa</i> PA14. <i>Environmental Microbiology</i> , 2013, 15, 597-609.                    | 3.8 | 21        |
| 36 | Quantitative Contributions of Target Alteration and Decreased Drug Accumulation to <i>Pseudomonas aeruginosa</i> Fluoroquinolone Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1361-1368.                            | 3.2 | 130       |

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|----|---|------|-----------|
| 37 | The YfiB/NR Signal Transduction Mechanism Reveals Novel Targets for the Evolution of Persistent <i>Pseudomonas aeruginosa</i> in Cystic Fibrosis Airways. <i>PLoS Pathogens</i> , 2012, 8, e1002760.      | 4.7  | 105       |
| 38 | Global regulation of gene expression by OxyR in an important human opportunistic pathogen. <i>Nucleic Acids Research</i> , 2012, 40, 4320-4333.   | 14.5 | 189       |
| 39 | The <i>Pseudomonas aeruginosa</i> Transcriptome in Planktonic Cultures and Static Biofilms Using RNA Sequencing. <i>PLoS ONE</i> , 2012, 7, e31092.   | 2.5  | 212       |
| 40 | Mutation in Elongation Factor G Confers Resistance to the Antibiotic Argyrin in the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . <i>ChemBioChem</i> , 2012, 13, 2339-2345.                      | 2.6  | 30        |
| 41 | Phenotypic and Genome-Wide Analysis of an Antibiotic-Resistant Small Colony Variant (SCV) of <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2011, 6, e29276.   | 2.5  | 81        |
| 42 | iDynoMiCS: next-generation individual-based modelling of biofilms. <i>Environmental Microbiology</i> , 2011, 13, 2416-2434.   | 3.8  | 217       |
| 43 | Evolutionary conservation of essential and highly expressed genes in <i>Pseudomonas aeruginosa</i> . <i>BMC Genomics</i> , 2010, 11, 234.   | 2.8  | 48        |
| 44 | Damage of <i>Streptococcus mutans</i> biofilms by carolacton, a secondary metabolite from the myxobacterium <i>Sorangium cellulosum</i> . <i>BMC Microbiology</i> , 2010, 10, 199.                        | 3.3  | 79        |
| 45 | Genetic determinants of <i>Pseudomonas aeruginosa</i> biofilm establishment. <i>Microbiology (United Kingdom)</i> 151: 1078-1091  | 1.8  | 97        |
| 46 | Global Genotype-Phenotype Correlations in <i>Pseudomonas aeruginosa</i> . <i>PLoS Pathogens</i> , 2010, 6, e1001074.  | 4.7  | 12        |
| 47 | $\beta$ -Lactam Resistance Response Triggered by Inactivation of a Nonessential Penicillin-Binding Protein. <i>PLoS Pathogens</i> , 2009, 5, e1000353.  | 4.7  | 258       |
| 48 | Evaluation of a microarray-hybridization based method applicable for discovery of single nucleotide polymorphisms (SNPs) in the <i>Pseudomonas aeruginosa</i> genome. <i>BMC Genomics</i> , 2009, 10, 29. | 2.8  | 22        |
| 49 | Genomewide Identification of Genetic Determinants of Antimicrobial Drug Resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2522-2531.                 | 3.2  | 108       |
| 50 | A mathematical model for growth and osmoregulation in halophilic bacteria. <i>Microbiology (United Kingdom)</i> 151: 1078-1091  | 1.8  | 28        |