

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	Î²-Lactam Resistance Response Triggered by Inactivation of a Nonessential Penicillin-Binding Protein. PLoS Pathogens, 2009, 5, e1000353.	4.7	258
2	iDynoMiCS: next-generation individual-based modelling of biofilms. Environmental Microbiology, 2011, 13, 2416-2434.	3.8	217
3	The Pseudomonas aeruginosa Transcriptome in Planktonic Cultures and Static Biofilms Using RNA Sequencing. PLoS ONE, 2012, 7, e31092.	2.5	212
4	Ozone treatment of conditioned wastewater selects antibiotic resistance genes, opportunistic bacteria, and induce strong population shifts. Science of the Total Environment, 2016, 559, 103-112.	8.0	206
5	Global regulation of gene expression by OxyR in an important human opportunistic pathogen. Nucleic Acids Research, 2012, 40, 4320-4333.	14.5	189
6	A dynamic periplasmic electron transfer network enables respiratory flexibility beyond a thermodynamic regulatory regime. ISME Journal, 2015, 9, 1802-1811.	9.8	134
7	Elucidation of Sigma Factor-Associated Networks in Pseudomonas aeruginosa Reveals a Modular Architecture with Limited and Function-Specific Crosstalk. PLoS Pathogens, 2015, 11, e1004744.	4.7	134
8	Quantitative Contributions of Target Alteration and Decreased Drug Accumulation to Pseudomonas aeruginosa Fluoroquinolone Resistance. Antimicrobial Agents and Chemotherapy, 2013, 57, 1361-1368.	3.2	130
9	Gut Microbiome Composition in Obese and Non-Obese Persons: A Systematic Review and Meta-Analysis. Nutrients, 2022, 14, 12.	4.1	121
10	Genomewide Identification of Genetic Determinants of Antimicrobial Drug Resistance in <i>Pseudomonas aeruginosa</i> . Antimicrobial Agents and Chemotherapy, 2009, 53, 2522-2531.	3.2	108
11	The YfiB/NR Signal Transduction Mechanism Reveals Novel Targets for the Evolution of Persistent Pseudomonas aeruginosa in Cystic Fibrosis Airways. PLoS Pathogens, 2012, 8, e1002760.	4.7	105
12	Genetic determinants of Pseudomonas aeruginosa biofilm establishment. Microbiology (United Kingdom), 2007, 151, 1077-1087.	1.8	97
13	The influence of an anti-inflammatory diet on gingivitis. A randomized controlled trial. Journal of Clinical Periodontology, 2019, 46, 481-490.	4.9	85
14	Phenotypic and Genome-Wide Analysis of an Antibiotic-Resistant Small Colony Variant (SCV) of Pseudomonas aeruginosa. PLoS ONE, 2011, 6, e29276.	2.5	81
15	Ability of phages to infect <i>Acinetobacter calcoaceticus</i> / <i>Acinetobacter baumannii</i> complex species through acquisition of different pectate lyase depolymerase domains. Environmental Microbiology, 2017, 19, 5060-5077.	3.8	81
16	Insights into the variability of microbial community composition and micropollutant degradation in diverse biological wastewater treatment systems. Water Research, 2018, 143, 313-324.	11.3	81
17	Damage of Streptococcus mutans biofilms by carolacton, a secondary metabolite from the myxobacterium Sorangium cellulosum. BMC Microbiology, 2010, 10, 199.	3.3	79
18	The Pseudomonas aeruginosa Transcriptional Landscape Is Shaped by Environmental Heterogeneity and Genetic Variation. MBio, 2015, 6, e00749.	4.1	73

#	ARTICLE	IF	CITATIONS
19	Transcriptome Profiling of Antimicrobial Resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4722-4733.	3.2	67
20	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
21	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
22	Evolutionary conservation of essential and highly expressed genes in <i>Pseudomonas aeruginosa</i> . <i>BMC Genomics</i> , 2010, 11, 234.	2.8	48
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	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
25	Resilience, Dynamics, and Interactions within a Model Multispecies Exoelectrogenic-Biofilm Community. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	37
26	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
27	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
28	A mathematical model for growth and osmoregulation in halophilic bacteria. <i>Microbiology (United Kingdom)</i> , 2018, 154, 1828-1838.	1.8	28
29	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
30	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
31	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
32	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
33	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
34	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
35	Investigation on the anaerobic propionate degradation by <i>Escherichia coli</i> K12. <i>Molecular Microbiology</i> , 2017, 103, 55-66.	2.5	20
36	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

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37	Influence of salt concentration and iodized table salt on the microbiota of fermented cucumbers. <i>Food Microbiology</i> , 2020, 92, 103552.	4.2	19
38	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
39	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
40	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
41	Global Genotype-Phenotype Correlations in <i>Pseudomonas aeruginosa</i> . <i>PLoS Pathogens</i> , 2010, 6, e1001074.	4.7	12
42	<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
43	Specific Wheat Fractions Influence Hepatic Fat Metabolism in Diet-Induced Obese Mice. <i>Nutrients</i> , 2019, 11, 2348.	4.1	9
44	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
45	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
46	Efficient Extraction from Mice Feces for NMR Metabolomics Measurements with Special Emphasis on SCFAs. <i>Metabolites</i> , 2019, 9, 55.	2.9	8
47	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
48	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
49	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
50	Zellfreie Biomineralisation: Charakterisierung molekularer Komponenten der Biomineralisation mittels Biotyping von Coccolithophoriden. <i>Chemie-Ingenieur-Technik</i> , 2016, 88, 1405-1406.	0.8	0