

Mette BurmÅ, lle

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

6,211
citations

116194

36
h-index

84171

75
g-index

85
all docs

85
docs citations

85
times ranked

7757
citing authors

#	ARTICLE	IF	CITATIONS
1	Can multi-species biofilms defeat antimicrobial surfaces on medical devices?. <i>Current Opinion in Biomedical Engineering</i> , 2022, 22, 100370.	1.8	7
2	Metabolic Profiling of Interspecies Interactions During Sessile Bacterial Cultivation Reveals Growth and Sporulation Induction in <i>Paenibacillus amylolyticus</i> in Response to <i>Xanthomonas retroflexus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 805473.	1.8	1
3	Trans-kingdom interactions in mixed biofilm communities. <i>FEMS Microbiology Reviews</i> , 2022, 46, .	3.9	12
4	Enhanced Antibiotic Tolerance of an In Vitro Multispecies Uropathogen Biofilm Model, Useful for Studies of Catheter-Associated Urinary Tract Infections. <i>Microorganisms</i> , 2022, 10, 1207.	1.6	6
5	Do environmental pharmaceuticals affect the composition of bacterial communities in a freshwater stream? A case study of the Knivsta river in the south of Sweden. <i>Science of the Total Environment</i> , 2021, 763, 142991.	3.9	11
6	Community-wide changes reflecting bacterial interspecific interactions in multispecies biofilms. <i>Critical Reviews in Microbiology</i> , 2021, 47, 338-358.	2.7	39
7	Biofilms can act as plasmid reserves in the absence of plasmid specific selection. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 78.	2.9	14
8	High-throughput screening alternative to crystal violet biofilm assay combining fluorescence quantification and imaging. <i>Journal of Microbiological Methods</i> , 2021, 190, 106343.	0.7	14
9	Emergent bacterial community properties induce enhanced drought tolerance in <i>Arabidopsis</i> . <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 82.	2.9	45
10	Mixed-species biofilms in the food industry: Current knowledge and novel control strategies. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 2277-2293.	5.4	114
11	Unravelling interspecies interactions across heterogeneities in complex biofilm communities. <i>Environmental Microbiology</i> , 2020, 22, 5-16.	1.8	60
12	Do Mixed-Species Biofilms Dominate in Chronic Infections?â€œNeed for in situ Visualization of Bacterial Organization. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 396.	1.8	32
13	Persistence and progression of staphylococcal infection in the presence of public goods. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 55.	2.9	1
14	Antibiotic susceptibility of cystic fibrosis lung microbiome members in a multispecies biofilm. <i>Biofilm</i> , 2020, 2, 100031.	1.5	20
15	The T-shirt microbiome is distinct between individuals and shaped by washing and fabric type. <i>Environmental Research</i> , 2020, 185, 109449.	3.7	15
16	High cell densities favor lysogeny: induction of an H2O prophage is repressed by quorum sensing and enhances biofilm formation in <i>Vibrio anguillarum</i> . <i>ISME Journal</i> , 2020, 14, 1731-1742.	4.4	52
17	Community-intrinsic properties enhance keratin degradation from bacterial consortia. <i>PLoS ONE</i> , 2020, 15, e0228108.	1.1	16
18	Community-intrinsic properties enhance keratin degradation from bacterial consortia. , 2020, 15, e0228108.		0

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19	Community-intrinsic properties enhance keratin degradation from bacterial consortia. , 2020, 15, e0228108.		0
20	Community-intrinsic properties enhance keratin degradation from bacterial consortia. , 2020, 15, e0228108.		0
21	Community-intrinsic properties enhance keratin degradation from bacterial consortia. , 2020, 15, e0228108.		0
22	Interspecies interactions reduce selection for a biofilm-optimized variant in a four-species biofilm model. Environmental Microbiology Reports, 2019, 11, 835-839.	1.0	7
23	Interspecies interactions reduce selection for a biofilm optimized variant in a four-species biofilm model. Environmental Microbiology, 2019, , .	1.8	1
24	Deciphering links between bacterial interactions and spatial organization in multispecies biofilms. ISME Journal, 2019, 13, 3054-3066.	4.4	59
25	Priority of Early Colonizers but No Effect on Cohabitants in a Synergistic Biofilm Community. Frontiers in Microbiology, 2019, 10, 1949.	1.5	11
26	Insights into Psychrotrophic Bacteria in Raw Milk: A Review. Journal of Food Protection, 2019, 82, 1148-1159.	0.8	40
27	Big Impact of the Tiny: Bacteriophage-Bacteria Interactions in Biofilms. Trends in Microbiology, 2019, 27, 739-752.	3.5	98
28	Fluidic resistance control enables high-throughput establishment of mixed-species biofilms. BioTechniques, 2019, 66, 235-239.	0.8	5
29	Evaluating Efficacy of Antimicrobial and Antifouling Materials for Urinary Tract Medical Devices: Challenges and Recommendations. Macromolecular Bioscience, 2019, 19, e1800384.	2.1	66
30	Micro-scale intermixing: a requisite for stable and synergistic co-establishment in a four-species biofilm. ISME Journal, 2018, 12, 1940-1951.	4.4	40
31	Microbial Diversity and Putative Opportunistic Pathogens in Dishwasher Biofilm Communities. Applied and Environmental Microbiology, 2018, 84, .	1.4	50
32	Interspecies variation in biofilm-forming capacity of psychrotrophic bacterial isolates from Chinese raw milk. Food Control, 2018, 91, 47-57.	2.8	39
33	Disease-induced assemblage of a plant-beneficial bacterial consortium. ISME Journal, 2018, 12, 1496-1507.	4.4	603
34	Bacterial social interactions and the emergence of community-intrinsic properties. Current Opinion in Microbiology, 2018, 42, 104-109.	2.3	76
35	Insights into Bacterial Milk Spoilage with Particular Emphasis on the Roles of Heat-Stable Enzymes, Biofilms, and Quorum Sensing. Journal of Food Protection, 2018, 81, 1651-1660.	0.8	36
36	Staphylococcus aureus coagulases are exploitable yet stable public goods in clinically relevant conditions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11771-E11779.	3.3	10

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37	Enhanced bacterial mutualism through an evolved biofilm phenotype. <i>ISME Journal</i> , 2018, 12, 2608-2618.	4.4	34
38	Synergistic Interactions in Microbial Biofilms Facilitate the Establishment of Opportunistic Pathogenic Fungi in Household Dishwashers. <i>Frontiers in Microbiology</i> , 2018, 9, 21.	1.5	46
39	<i>In Vitro</i> Community Synergy between Bacterial Soil Isolates Can Be Facilitated by pH Stabilization of the Environment. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	18
40	Low-abundant species facilitates specific spatial organization that promotes multispecies biofilm formation. <i>Environmental Microbiology</i> , 2017, 19, 2893-2905.	1.8	57
41	Antagonism correlates with metabolic similarity in diverse bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10684-10688.	3.3	135
42	A meta-proteomics approach to study the interspecies interactions affecting microbial biofilm development in a model community. <i>Scientific Reports</i> , 2017, 7, 16483.	1.6	51
43	Distinct gene expression profile of <i>Xanthomonas retroflexus</i> engaged in synergistic multispecies biofilm formation. <i>ISME Journal</i> , 2017, 11, 300-303.	4.4	51
44	A post-planktonic era of in vitro infectious models: issues and changes addressed by a clinically relevant wound like media. <i>Critical Reviews in Microbiology</i> , 2017, 43, 453-465.	2.7	20
45	All together now: experimental multispecies biofilm model systems. <i>Environmental Microbiology</i> , 2017, 19, 42-53.	1.8	88
46	Synergistic Interactions within a Multispecies Biofilm Enhance Individual Species Protection against Grazing by a Pelagic Protozoan. <i>Frontiers in Microbiology</i> , 2017, 8, 2649.	1.5	52
47	Interspecific Bacterial Interactions are Reflected in Multispecies Biofilm Spatial Organization. <i>Frontiers in Microbiology</i> , 2016, 7, 1366.	1.5	143
48	Type 3 Fimbriae Encoded on Plasmids Are Expressed from a Unique Promoter without Affecting Host Motility, Facilitating an Exceptional Phenotype That Enhances Conjugal Plasmid Transfer. <i>PLoS ONE</i> , 2016, 11, e0162390.	1.1	16
49	Genome Sequence of <i>Kocuria palustris</i> Strain W4. <i>Genome Announcements</i> , 2016, 4, .	0.8	0
50	Genome Sequence of <i>Kocuria varians</i> G6 Isolated from a Slaughterhouse in Denmark. <i>Genome Announcements</i> , 2016, 4, .	0.8	2
51	Draft Genome Assembly of Two <i>Pseudoclavibacter helvolus</i> Strains, G8 and W3, Isolated from Slaughterhouse Environments. <i>Genome Announcements</i> , 2016, 4, .	0.8	0
52	Enhanced plasmid loss in bacterial populations exposed to the antimicrobial compound irgasan delivered from interpenetrating polymer network silicone hydrogels. <i>Plasmid</i> , 2016, 87-88, 72-78.	0.4	14
53	Genome Sequence of <i>Psychrobacter cibarius</i> Strain W1. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
54	Genome Sequence of <i>Arthrobacter antarcticus</i> Strain W2, Isolated from a Slaughterhouse. <i>Genome Announcements</i> , 2016, 4, .	0.8	1

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55	Draft Genome Sequences of Two <i>Kocuria</i> Isolates, <i>K. salsicia</i> G1 and <i>K. rhizophila</i> G2, Isolated from a Slaughterhouse in Denmark. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
56	Coexistence facilitates interspecific biofilm formation in complex microbial communities. <i>Environmental Microbiology</i> , 2016, 18, 2565-2574.	1.8	97
57	Studying Bacterial Multispecies Biofilms: Where to Start?. <i>Trends in Microbiology</i> , 2016, 24, 503-513.	3.5	150
58	The potential for bioaugmentation of sand filter materials from waterworks using bacterial cultures degrading 4-chloro-2-methylphenoxyacetic acid. <i>Pest Management Science</i> , 2015, 71, 257-265.	1.7	8
59	Interspecies interactions result in enhanced biofilm formation by co-cultures of bacteria isolated from a food processing environment. <i>Food Microbiology</i> , 2015, 51, 18-24.	2.1	88
60	High prevalence of biofilm synergy among bacterial soil isolates in cocultures indicates bacterial interspecific cooperation. <i>ISME Journal</i> , 2015, 9, 81-89.	4.4	261
61	High-Throughput Screening of Multispecies Biofilm Formation and Quantitative PCR-Based Assessment of Individual Species Proportions, Useful for Exploring Interspecific Bacterial Interactions. <i>Microbial Ecology</i> , 2014, 68, 146-154.	1.4	84
62	Interactions in multispecies biofilms: do they actually matter?. <i>Trends in Microbiology</i> , 2014, 22, 84-91.	3.5	417
63	A spatiotemporal view of plasmid loss in biofilms and planktonic cultures. <i>Biotechnology and Bioengineering</i> , 2013, 110, 3071-3074.	1.7	9
64	The ability of soil bacteria to receive the conjugative IncP1 plasmid, pJK10, is different in a mixed community compared to single strains. <i>FEMS Microbiology Letters</i> , 2013, 338, 95-100.	0.7	30
65	The impact of the conjugative IncP-1 plasmid pJK5 on multispecies biofilm formation is dependent on the plasmid host. <i>FEMS Microbiology Letters</i> , 2013, 344, 186-192.	0.7	30
66	Complete Genome Sequence of the Cystic Fibrosis Pathogen <i>Achromobacter xylosoxidans</i> NH44784-1996 Complies with Important Pathogenic Phenotypes. <i>PLoS ONE</i> , 2013, 8, e68484.	1.1	85
67	Sequencing of IncX-Plasmids Suggests Ubiquity of Mobile Forms of a Biofilm-Promoting Gene Cassette Recruited from <i>Klebsiella pneumoniae</i> . <i>PLoS ONE</i> , 2012, 7, e41259.	1.1	38
68	The interconnection between biofilm formation and horizontal gene transfer. <i>FEMS Immunology and Medical Microbiology</i> , 2012, 65, 183-195.	2.7	484
69	Biofilms in Soil. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 70-75.	0.1	9
70	Biofilms in chronic infections – a matter of opportunity – monospecies biofilms in multispecies infections. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 59, 324-336.	2.7	351
71	All IncP-1 plasmid subgroups, including the novel μ subgroup, are prevalent in the influent of a Danish wastewater treatment plant. <i>Plasmid</i> , 2009, 62, 134-139.	0.4	82
72	The presence of embedded bacterial pure cultures in agar plates stimulate the culturability of soil bacteria. <i>Journal of Microbiological Methods</i> , 2009, 79, 166-173.	0.7	18

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73	The serine protease Esperase HPF inhibits the formation of multispecies biofilm. <i>Biofouling</i> , 2009, 25, 667-674.	0.8	26
74	Type 3 fimbriae, encoded by the conjugative plasmid pOLA52, enhance biofilm formation and transfer frequencies in Enterobacteriaceae strains. <i>Microbiology (United Kingdom)</i> , 2008, 154, 187-195.	0.7	99
75	Establishment and Early Succession of a Multispecies Biofilm Composed of Soil Bacteria. <i>Microbial Ecology</i> , 2007, 54, 352-362.	1.4	54
76	Making bio-sense of toxicity: new developments in whole-cell biosensors. <i>Current Opinion in Biotechnology</i> , 2006, 17, 11-16.	3.3	120
77	Enhanced Biofilm Formation and Increased Resistance to Antimicrobial Agents and Bacterial Invasion Are Caused by Synergistic Interactions in Multispecies Biofilms. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3916-3923.	1.4	572
78	Reporter Gene Technology in Soil Ecology; Detection of Bioavailability and Microbial Interactions. , 2006, , 397-419.		6
79	Use of a Whole-Cell Biosensor and Flow Cytometry to Detect AHL Production by an Indigenous Soil Community During Decomposition of Litter. <i>Microbial Ecology</i> , 2005, 50, 221-229.	1.4	39
80	<i>Pseudomonas aeruginosa</i> tolerance to tobramycin, hydrogen peroxide and polymorphonuclear leukocytes is quorum-sensing dependent. <i>Microbiology (United Kingdom)</i> , 2005, 151, 373-383.	0.7	451
81	Plasmid-Encoded Multidrug Efflux Pump Conferring Resistance to Olaquinox in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3332-3337.	1.4	187
82	Presence of N-Acyl Homoserine Lactones in Soil Detected by a Whole-Cell Biosensor and Flow Cytometry. <i>Microbial Ecology</i> , 2003, 45, 226-236.	1.4	85