Malte Hermansson

List of Publications by Year
in descending order

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52	4,235	109264	175177
papers	citations	35 h-index	52 g-index

53	53	53	5115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metagenomic evidence of a novel family of anammox bacteria in a subsea environment. Environmental Microbiology, 2022, 24, 2348-2360.	1.8	22
2	Long-term stability of partial nitritation-anammox for treatment of municipal wastewater in a moving bed biofilm reactor pilot system. Science of the Total Environment, 2020, 714, 136342.	3.9	74
3	Hill-based dissimilarity indices and null models for analysis of microbial community assembly. Microbiome, 2020, 8, 132.	4.9	22
4	Response to starvation and microbial community composition in microbial fuel cells enriched on different electron donors. Microbial Biotechnology, 2019, 12, 962-975.	2.0	21
5	Combined Deterministic and Stochastic Processes Control Microbial Succession in Replicate Granular Biofilm Reactors. Environmental Science & Technology, 2019, 53, 4912-4921.	4.6	44
6	Thickness determines microbial community structure and function in nitrifying biofilms via deterministic assembly. Scientific Reports, 2019, 9, 5110.	1.6	74
7	A variety of hydrogenotrophic enrichment cultures catalyse cathodic reactions. Scientific Reports, 2019, 9, 2356.	1.6	12
8	Long-term dynamics of the bacterial community in a Swedish full-scale wastewater treatment plant. Environmental Technology (United Kingdom), 2019, 40, 912-928.	1.2	9
9	The mechanisms of granulation of activated sludge in wastewater treatment, its optimization, and impact on effluent quality. Applied Microbiology and Biotechnology, 2018, 102, 5005-5020.	1.7	139
10	Effect of Start-Up Strategies and Electrode Materials on Carbon Dioxide Reduction on Biocathodes. Applied and Environmental Microbiology, 2018, 84, .	1.4	48
11	Community structure of partial nitritationâ€anammox biofilms at decreasing substrate concentrations and low temperature. Microbial Biotechnology, 2017, 10, 761-772.	2.0	51
12	Comparison of the bacterial community composition in the granular and the suspended phase of sequencing batch reactors. AMB Express, 2017, 7, 168.	1.4	41
13	The inhibitory effects of reject water on nitrifying populations grown at different biofilm thickness. Water Research, 2016, 104, 292-302.	5.3	54
14	Nonoxidative removal of organics in the activated sludge process. Critical Reviews in Environmental Science and Technology, 2016, 46, 1-38.	6.6	27
15	Effects of storage on mixed-culture biological electrodes. Scientific Reports, 2015, 5, 18433.	1.6	14
16	Predation of nitritationâ€“anammox biofilms used for nitrogen removal from wastewater. FEMS Microbiology Ecology, 2015, 91, fiv124.	1.3	21
17	Three-Dimensional Stratification of Bacterial Biofilm Populations in a Moving Bed Biofilm Reactor for Nitritation-Anammox. International Journal of Molecular Sciences, 2014, 15, 2191-2206.	1.8	55
18	Impact of T-RFLP data analysis choices on assessments of microbial community structure and dynamics. BMC Bioinformatics, 2014, 15, 360.	1.2	13

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19	Goldâ€Nanoparticleâ€Assisted Selfâ€Assembly of Chemical Gradients with Tunable Subâ€50 nm Molecular Domains. Particle and Particle Systems Characterization, 2014, 31, 209-218.	1.2	19
20	Structure and composition of biofilm communities in a moving bed biofilm reactor for nitritationâ€“anammox at low temperatures. Bioresource Technology, 2014, 154, 267-273.	4.8	108
21	Complete Nucleotide Sequence and Analysis of Two Conjugative Broad Host Range Plasmids from a Marine Microbial Biofilm. PLoS ONE, 2014, 9, e92321.	1.1	14
22	New Methods for Analysis of Spatial Distribution and Coaggregation of Microbial Populations in Complex Biofilms. Applied and Environmental Microbiology, 2013, 79, 5978-5987.	1.4	64
23	The Choice of PCR Primers Has Great Impact on Assessments of Bacterial Community Diversity and Dynamics in a Wastewater Treatment Plant. PLoS ONE, 2013, 8, e76431.	1.1	99
24	Diversity and dynamics of Archaea in an activated sludge wastewater treatment plant. BMC Microbiology, 2012, 12, 140.	1.3	35
25	Ecological role of a seaweed secondary metabolite for a colonizing bacterial community. Biofouling, 2011, 27, 579-588.	0.8	37
26	The IncP-1 plasmid backbone adapts to different host bacterial species and evolves through homologous recombination. Nature Communications, 2011, 2, 268.	5.8	134
27	Microbial community structure in activated sludge floc analysed by fluorescence in situ hybridization and its relation to floc stability. Water Research, 2008, 42, 2300-2308.	5.3	102
28	Undibacterium pigrum gen. nov., sp. nov., isolated from drinking water. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1510-1515.	0.8	73
29	Effects of environmental conditions on the nitrifying population dynamics in a pilot wastewater treatment plant. Environmental Microbiology, 2007, 9, 2220-2233.	1.8	78
30	Vertical distribution of nitrifying populations in bacterial biofilms from a full-scale nitrifying trickling filter. Environmental Microbiology, 2006, 8, 2036-2049.	1.8	61
31	Determination of bacterial cell surface hydrophobicity of single cells in cultures and in wastewater in situ. FEMS Microbiology Letters, 2006, 152, 299-306.	0.7	91
32	Use of a Quartz Crystal Microbalance To Investigate the Antiadhesive Potential of N -Acetyl- l -Cysteine. Applied and Environmental Microbiology, 2005, 71, 2705-2712.	1.4	46
33	Characterisation of the behaviour of particles in biofilters for pre-treatment of drinking water. Water Research, 2005, 39, 3791-3800.	5.3	34
34	Inactivation of ompX Causes Increased Interactions of Type 1 Fimbriated Escherichia coli with Abiotic Surfaces. Journal of Bacteriology, 2004, 186, 226-234.	1.0	82
35	N -Acetyl- l -Cysteine Affects Growth, Extracellular Polysaccharide Production, and Bacterial Biofilm Formation on Solid Surfaces. Applied and Environmental Microbiology, 2003, 69, 4814-4822.	1.4	214
36	Distribution and activity of ammonia oxidizing bacteria in a large full-scale trickling filter. Water Research, 2002, 36, 1439-1448.	5.3	54

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37	Adhesion of Type 1-Fimbriated Escherichia coli to Abiotic Surfaces Leads to Altered Composition of Outer Membrane Proteins. Journal of Bacteriology, 2001, 183, 2445-2453.	1.0	108
38	The DLVO theory in microbial adhesion. Colloids and Surfaces B: Biointerfaces, 1999, 14, 105-119.	2.5	783
39	The role of type 1 fimbriae in adhesion of Escherichia coli to hydrophilic and hydrophobic surfaces. Colloids and Surfaces B: Biointerfaces, 1999, 15, 99-111.	2.5	56
40	Effect of Ionic Strength on Initial Interactions of Escherichia coli with Surfaces, Studied On-Line by a Novel Quartz Crystal Microbalance Technique. Journal of Bacteriology, 1999, 181, 5210-5218.	1.0	107
41	Floc stability and adhesion of green-fluorescent-protein-marked bacteria to flocs in activated sludge. Microbiology (United Kingdom), 1998, 144, 519-528.	0.7	82
42	In Situ Detection of High Levels of Horizontal Plasmid Transfer in Marine Bacterial Communities. Applied and Environmental Microbiology, 1998, 64, 2670-2675.	1.4	130
43	Gene transfer in the marine environment. FEMS Microbiology Ecology, 1994, 15, 47-54.	1.3	25
44	Effects of Ionic Strength on Bacterial Adhesion and Stability of Flocs in a Wastewater Activated Sludge System. Applied and Environmental Microbiology, 1994, 60, 3041-3048.	1.4	207
45	Inhibition of metal corrosion by bacteria. Biofouling, 1991, 3, 1-11.	0.8	52
46	Incorporation of tritiated thymidine by marine bacterial isolates when undergoing a starvation survival response. Archives of Microbiology, 1988, 149, 427-432.	1.0	22
47	Oligotrophic and copiotrophic marine bacteriaÃ¢Â€Â”observations related to attachment. FEMS Microbiology Letters, 1985, 31, 89-96.	0.7	3
48	Starvation-Induced Effects on Bacterial Surface Characteristics. Applied and Environmental Microbiology, 1984, 48, 497-503.	1.4	215
49	Bacterial activity at the air/water interface. Microbial Ecology, 1983, 9, 317-328.	1.4	44
50	Hydrophobic and electrostatic characterization of surface structures of bacteria and its relationship to adhesion to an air-water interface. Archives of Microbiology, 1982, 131, 308-312.	1.0	116
51	The hydrophobicity of bacteria ? An important factor in their initial adhesion at the air-water inteface. Archives of Microbiology, 1981, 128, 267-270.	1.0	197
52	Bacterial corrosion of iron in seawater in situ, and in aerobic and anaerobic model systems. , 0, .		1