Antti Valter Karkman

List of Publications by Year
in descending order

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33 papers	4,063 citations	279798 23 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	5373 citing authors

#	Article	IF	Citations
1	Community-led, integrated, reproducible multi-omics with anviâ€™o. Nature Microbiology, 2021, 6, 3-6.	13.3	370
2	Interplay between skin microbiota and immunity in atopic individuals. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1280-1284.	5.7	5
3	Immuneâ€microbiota interaction in Finnish and Russian Karelia young people with high and low allergy prevalence. Clinical and Experimental Allergy, 2020, 50, 1148-1158.	2.9	19
4	Predicting clinical resistance prevalence using sewage metagenomic data. Communications Biology, 2020, 3, 711.	4.4	37
5	Contrasting microbiotas between Finnish and Estonian infants: Exposure to Acinetobacter may contribute to the allergy gap. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2342-2351.	5.7	16
6	Long-term application of Swedish sewage sludge on farmland does not cause clear changes in the soil bacterial resistome. Environment International, 2020, 137, 105339.	10.0	38
7	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. Science Advances, 2019, 5, eaau9124.	10.3	346
8	Fecal pollution can explain antibiotic resistance gene abundances in anthropogenically impacted environments. Nature Communications, 2019, 10, 80.	12.8	378
9	Natureâ€oriented daycare diversifies skin microbiota in childrenâ€”No robust association with allergies. Pediatric Allergy and Immunology, 2018, 29, 318-321.	2.6	13
10	Host range of antibiotic resistance genes in wastewater treatment plant influent and effluent. FEMS Microbiology Ecology, 2018, 94, .	2.7	148
11	Antibiotic-Resistance Genes in Waste Water. Trends in Microbiology, 2018, 26, 220-228.	7.7	627
12	Maternal gut and breast milk microbiota affect infant gut antibiotic resistome and mobile genetic elements. Nature Communications, 2018, 9, 3891.	12.8	313
13	Significant disparities in allergy prevalence and microbiota between the young people in Finnish and Russian Karelia. Clinical and Experimental Allergy, 2017, 47, 665-674.	2.9	97
14	Influence of Manure Application on the Environmental Resistome under Finnish Agricultural Practice with Restricted Antibiotic Use. Environmental Science & Technology, 2017, 51, 5989-5999.	10.0	142
15	Patterns in the skin microbiota differ in children and teenagers between rural and urban environments. Scientific Reports, 2017, 7, 45651.	3.3	93
16	The ecology of human microbiota: dynamics and diversity in health and disease. Annals of the New York Academy of Sciences, 2017, 1399, 78-92.	3.8	88
17	Holistic View on Health: Two Protective Layers of Biodiversity. Annales Zoologici Fennici, 2017, 54, 39-49.	0.6	35
18	An active bacterial community linked to high chl-a concentrations in Antarctic winter-pack ice and evidence for the development of an anaerobic sea-ice bacterial community. ISME Journal, 2017, 11, 2345-2355.	9.8	16

#	Article	IF	Citations
19	Bacterial communities in Arctic firstâ€year drift ice during the winter/spring transition. Environmental Microbiology Reports, 2016, 8, 527-535.	2.4	10
20	â€œEvery Gene Is Everywhere but the Environment Selectsâ€: Global Geolocalization of Gene Sharing in Environmental Samples through Network Analysis. Genome Biology and Evolution, 2016, 8, 1388-1400.	2.5	82
21	Seasonality of antibiotic prescriptions for outpatients and resistance genes in sewers and wastewater treatment plant outflow. FEMS Microbiology Ecology, 2016, 92, fiw060.	2.7	124
22	Evaluating the mobility potential of antibiotic resistance genes in environmental resistomes without metagenomics. Scientific Reports, 2016, 6, 35790.	3.3	46
23	Aquaculture changes the profile of antibiotic resistance and mobile genetic element associated genes in Baltic Sea sediments. FEMS Microbiology Ecology, 2016, 92, fiw052.	2.7	142
24	High-throughput quantification of antibiotic resistance genes from an urban wastewater treatment plant. FEMS Microbiology Ecology, 2016, 92, fiw014.	2.7	167
25	Discovery of bacterial polyhydroxyalkanoate synthase (PhaC)-encoding genes from seasonal Baltic Sea ice and cold estuarine waters. Extremophiles, 2015, 19, 197-206.	2.3	21
26	Cyanobacteria as a Source for Novel Anti-Leukemic Compounds. Current Pharmaceutical Biotechnology, 2015, 17, 78-91.	1.6	15
27	Abundances of Tetracycline, Sulphonamide and Beta-Lactam Antibiotic Resistance Genes in Conventional Wastewater Treatment Plants (WWTPs) with Different Waste Load. PLoS ONE, 2014, 9, e103705.	2.5	144
28	Sulphonamide and Trimethoprim Resistance Genes Persist in Sediments at Baltic Sea Aquaculture Farms but Are Not Detected in the Surrounding Environment. PLoS ONE, 2014, 9, e92702.	2.5	108
29	Enterococcus rivorum sp. nov., from water of pristine brooks. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2169-2173.	1.7	22
30	Differences in bacterial community composition in Baltic Sea sediment in response to fish farming. Aquaculture, 2011, 313, 15-23.	3.5	51
31	Tetracycline Resistance Genes Persist at Aquaculture Farms in the Absence of Selection Pressure. Environmental Science & Technology, 2011, 45, 386-391.	10.0	273
32	Fish Farming Affects the Abundance and Diversity of the Mercury Resistance Gene merA in Marine Sediments. Microbes and Environments, 2011, 26, 205-211.	1.6	11
33	Cold temperature decreases bacterial species richness in nitrogenâ€removing bioreactors treating inorganic mine waters. Biotechnology and Bioengineering, 2011, 108, 2876-2883.	3.3	51