

# Antti Valter Karkman

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

4,063  
citations

279701

23  
h-index

395590

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 anvii™. <i>Nature Microbiology</i> , 2021, 6, 3-6.	5.9	370
2	Interplay between skin microbiota and immunity in atopic individuals. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1280-1284.	2.7	5
3	Immune-microbiota interaction in Finnish and Russian Karelia young people with high and low allergy prevalence. <i>Clinical and Experimental Allergy</i> , 2020, 50, 1148-1158.	1.4	19
4	Predicting clinical resistance prevalence using sewage metagenomic data. <i>Communications Biology</i> , 2020, 3, 711.	2.0	37
5	Contrasting microbiotas between Finnish and Estonian infants: Exposure to <i>Acinetobacter</i> may contribute to the allergy gap. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2342-2351.	2.7	16
6	Long-term application of Swedish sewage sludge on farmland does not cause clear changes in the soil bacterial resistome. <i>Environment International</i> , 2020, 137, 105339.	4.8	38
7	Antibiotic resistance in European wastewater treatment plants mirrors the pattern of clinical antibiotic resistance prevalence. <i>Science Advances</i> , 2019, 5, eaau9124.	4.7	346
8	Fecal pollution can explain antibiotic resistance gene abundances in anthropogenically impacted environments. <i>Nature Communications</i> , 2019, 10, 80.	5.8	378
9	Nature-oriented daycare diversifies skin microbiota in children—No robust association with allergies. <i>Pediatric Allergy and Immunology</i> , 2018, 29, 318-321.	1.1	13
10	Host range of antibiotic resistance genes in wastewater treatment plant influent and effluent. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	148
11	Antibiotic-Resistance Genes in Waste Water. <i>Trends in Microbiology</i> , 2018, 26, 220-228.	3.5	627
12	Maternal gut and breast milk microbiota affect infant gut antibiotic resistome and mobile genetic elements. <i>Nature Communications</i> , 2018, 9, 3891.	5.8	313
13	Significant disparities in allergy prevalence and microbiota between the young people in Finnish and Russian Karelia. <i>Clinical and Experimental Allergy</i> , 2017, 47, 665-674.	1.4	97
14	Influence of Manure Application on the Environmental Resistome under Finnish Agricultural Practice with Restricted Antibiotic Use. <i>Environmental Science &amp; Technology</i> , 2017, 51, 5989-5999.	4.6	142
15	Patterns in the skin microbiota differ in children and teenagers between rural and urban environments. <i>Scientific Reports</i> , 2017, 7, 45651.	1.6	93
16	The ecology of human microbiota: dynamics and diversity in health and disease. <i>Annals of the New York Academy of Sciences</i> , 2017, 1399, 78-92.	1.8	88
17	Holistic View on Health: Two Protective Layers of Biodiversity. <i>Annales Zoologici Fennici</i> , 2017, 54, 39-49.	0.2	35
18	An active bacterial community linked to high chl- <i>a</i> concentrations in Antarctic winter-pack ice and evidence for the development of an anaerobic sea-ice bacterial community. <i>ISME Journal</i> , 2017, 11, 2345-2355.	4.4	16

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19	Bacterial communities in Arctic first-year drift ice during the winter/spring transition. <i>Environmental Microbiology Reports</i> , 2016, 8, 527-535.	1.0	10
20	“Every Gene Is Everywhere but the Environment Selects” Global Geolocalization of Gene Sharing in Environmental Samples through Network Analysis. <i>Genome Biology and Evolution</i> , 2016, 8, 1388-1400.	1.1	82
21	Seasonality of antibiotic prescriptions for outpatients and resistance genes in sewers and wastewater treatment plant outflow. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw060.	1.3	124
22	Evaluating the mobility potential of antibiotic resistance genes in environmental resistomes without metagenomics. <i>Scientific Reports</i> , 2016, 6, 35790.	1.6	46
23	Aquaculture changes the profile of antibiotic resistance and mobile genetic element associated genes in Baltic Sea sediments. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw052.	1.3	142
24	High-throughput quantification of antibiotic resistance genes from an urban wastewater treatment plant. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw014.	1.3	167
25	Discovery of bacterial polyhydroxyalkanoate synthase (PhaC)-encoding genes from seasonal Baltic Sea ice and cold estuarine waters. <i>Extremophiles</i> , 2015, 19, 197-206.	0.9	21
26	Cyanobacteria as a Source for Novel Anti-Leukemic Compounds. <i>Current Pharmaceutical Biotechnology</i> , 2015, 17, 78-91.	0.9	15
27	Abundances of Tetracycline, Sulphonamide and Beta-Lactam Antibiotic Resistance Genes in Conventional Wastewater Treatment Plants (WWTPs) with Different Waste Load. <i>PLoS ONE</i> , 2014, 9, e103705.	1.1	144
28	Sulphonamide and Trimethoprim Resistance Genes Persist in Sediments at Baltic Sea Aquaculture Farms but Are Not Detected in the Surrounding Environment. <i>PLoS ONE</i> , 2014, 9, e92702.	1.1	108
29	<i>Enterococcus rivorum</i> sp. nov., from water of pristine brooks. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 2169-2173.	0.8	22
30	Differences in bacterial community composition in Baltic Sea sediment in response to fish farming. <i>Aquaculture</i> , 2011, 313, 15-23.	1.7	51
31	Tetracycline Resistance Genes Persist at Aquaculture Farms in the Absence of Selection Pressure. <i>Environmental Science &amp; Technology</i> , 2011, 45, 386-391.	4.6	273
32	Fish Farming Affects the Abundance and Diversity of the Mercury Resistance Gene <i>merA</i> in Marine Sediments. <i>Microbes and Environments</i> , 2011, 26, 205-211.	0.7	11
33	Cold temperature decreases bacterial species richness in nitrogen-removing bioreactors treating inorganic mine waters. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2876-2883.	1.7	51