

Aki Tapio Sinkkonen

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,762
citations

236912

25
h-index

302107

39
g-index

73
all docs

73
docs citations

73
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiversity intervention enhances immune regulation and health-associated commensal microbiota among daycare children. <i>Science Advances</i> , 2020, 6, .	10.3	174
2	Enhancing bioremediation of diesel-fuel-contaminated soil in a boreal climate: Comparison of biostimulation and bioaugmentation. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 359-368.	3.9	161
3	Urbanization Reduces Transfer of Diverse Environmental Microbiota Indoors. <i>Frontiers in Microbiology</i> , 2018, 9, 84.	3.5	95
4	Genotypic variation in yellow autumn leaf colours explains aphid load in silver birch. <i>New Phytologist</i> , 2012, 195, 461-469.	7.3	65
5	Short-term direct contact with soil and plant materials leads to an immediate increase in diversity of skin microbiota. <i>MicrobiologyOpen</i> , 2019, 8, e00645.	3.0	63
6	The abundance of health-associated bacteria is altered in PAH polluted soils—Implications for health in urban areas?. <i>PLoS ONE</i> , 2017, 12, e0187852.	2.5	52
7	Half-lives of PAHs and temporal microbiota changes in commonly used urban landscaping materials. <i>PeerJ</i> , 2018, 6, e4508.	2.0	52
8	Nature-derived microbiota exposure as a novel immunomodulatory approach. <i>Future Microbiology</i> , 2018, 13, 737-744.	2.0	50
9	Rhizospheric Bacterial Strain <i>Brevibacterium casei</i> MH8a Colonizes Plant Tissues and Enhances Cd, Zn, Cu Phytoextraction by White Mustard. <i>Frontiers in Plant Science</i> , 2016, 7, 101.	3.6	49
10	Effect of <i>Silene vulgaris</i> and Heavy Metal Pollution on Soil Microbial Diversity in Long-Term Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 13.	2.4	45
11	Microbial Community of High Arsenic Groundwater in Agricultural Irrigation Area of Hetao Plain, Inner Mongolia. <i>Frontiers in Microbiology</i> , 2016, 7, 1917.	3.5	44
12	Older consumers' perceptions of functional foods and non-edible health-enhancing innovations. <i>International Journal of Consumer Studies</i> , 2018, 42, 111-119.	11.6	41
13	Yard vegetation is associated with gut microbiota composition. <i>Science of the Total Environment</i> , 2020, 713, 136707.	8.0	39
14	Diverse Environmental Microbiota as a Tool to Augment Biodiversity in Urban Landscaping Materials. <i>Frontiers in Microbiology</i> , 2019, 10, 536.	3.5	37
15	Long-term biodiversity intervention shapes health-associated commensal microbiota among urban day-care children. <i>Environment International</i> , 2021, 157, 106811.	10.0	36
16	Temporal variation in indoor transfer of dirt-associated environmental bacteria in agricultural and urban areas. <i>Environment International</i> , 2019, 132, 105069.	10.0	34
17	Endocrine disruption and commensal bacteria alteration associated with gaseous and soil PAH contamination among daycare children. <i>Environment International</i> , 2019, 130, 104894.	10.0	32
18	Immunological resilience and biodiversity for prevention of allergic diseases and asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 3613-3626.	5.7	32

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19	Greening of Daycare Yards with Biodiverse Materials Affords Well-Being, Play and Environmental Relationships. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2948.	2.6	31
20	Plant growth responses to inorganic environmental contaminants are density-dependent: Experiments with copper sulfate, barley and lettuce. <i>Environmental Pollution</i> , 2014, 184, 443-448.	7.5	30
21	Successful aerobic bioremediation of groundwater contaminated with higher chlorinated phenols by indigenous degrader bacteria. <i>Water Research</i> , 2018, 138, 118-128.	11.3	30
22	Title is missing!. <i>Plant and Soil</i> , 2003, 250, 315-322.	3.7	28
23	Spring versus autumn leaf colours: Evidence for different selective agents and evolution in various species and floras. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2012, 207, 80-85.	1.2	28
24	Low doses of six toxicants change plant size distribution in dense populations of <i>Lactuca sativa</i> . <i>Science of the Total Environment</i> , 2018, 631-632, 510-523.	8.0	28
25	Natural attenuation is enhanced in previously contaminated and coniferous forest soils. <i>Environmental Science and Pollution Research</i> , 2012, 19, 53-63.	5.3	26
26	Layer of organic pine forest soil on top of chlorophenol-contaminated mineral soil enhances contaminant degradation. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1737-1745.	5.3	25
27	Low toxin doses change plant size distribution in dense populations of Glyphosate exposed <i>Hordeum vulgare</i> as a greenhouse case study. <i>Environment International</i> , 2019, 132, 105072.	10.0	25
28	Red Reveals Branch Die-back in Norway Maple <i>Acer platanoides</i> . <i>Annals of Botany</i> , 2008, 102, 361-366.	2.9	24
29	In situ electrokinetic (EK) remediation of the total and plant available cadmium (Cd) in paddy agricultural soil using low voltage gradients at pilot and full scales. <i>Science of the Total Environment</i> , 2021, 785, 147277.	8.0	24
30	Do autumn leaf colours serve as a reproductive insurance against sucking herbivores?. <i>Oikos</i> , 2006, 113, 557-562.	2.7	23
31	Meat and bone meal as a novel biostimulation agent in hydrocarbon contaminated soils. <i>Chemosphere</i> , 2019, 225, 574-578.	8.2	23
32	Electrokinetic-enhanced remediation of actual arsenic-contaminated soils with approaching cathode and FeO permeable reactive barrier. <i>Journal of Soils and Sediments</i> , 2020, 20, 1526-1533.	3.0	22
33	Indoor green wall affects health-associated commensal skin microbiota and enhances immune regulation: a randomized trial among urban office workers. <i>Scientific Reports</i> , 2022, 12, 6518.	3.3	19
34	Selective toxin effects on faster and slower growing individuals in the formation of hormesis at the population level – A case study with <i>Lactuca sativa</i> and PCB. <i>Science of the Total Environment</i> , 2016, 566-567, 1205-1214.	8.0	18
35	Low glyphosate doses change reproduction and produce tolerant offspring in dense populations of <i>Hordeum vulgare</i> . <i>Pest Management Science</i> , 2021, 77, 4770-4784.	3.4	18
36	Land Cover of Early-Life Environment Modulates the Risk of Type 1 Diabetes. <i>Diabetes Care</i> , 2021, 44, 1506-1514.	8.6	16

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37	“Soaked in rainwater”-effect of <i>Ageratina adenophora</i> on seedling growth and development of native tree species in Nepal. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 263, 151554.	1.2	15
38	Associations between land cover categories, gaseous PAH levels in ambient air and endocrine signaling predicted from gut bacterial metagenome of the elderly. <i>Chemosphere</i> , 2021, 265, 128965.	8.2	15
39	Previous exposure advances the degradation of an anthropogenic s-triazine regardless of soil origin. <i>Journal of Soils and Sediments</i> , 2013, 13, 1430-1438.	3.0	13
40	Low toxicant concentrations decrease the frequency of fast-growing seedlings at high densities of annual baby's breath (<i>Gypsophila elegans</i>). <i>Environmental Pollution</i> , 2008, 153, 523-525.	7.5	12
41	Selective Toxicity at Low Doses: Experiments with Three Plant Species and Toxicants. <i>Dose-Response</i> , 2011, 9, dose-response.0.	1.6	12
42	In situ bioremediation of Fenton’s reaction-treated oil spill site, with a soil inoculum, slow release additives, and methyl- β -cyclodextrin. <i>Environmental Science and Pollution Research</i> , 2021, 28, 20273-20289.	5.3	12
43	Soil vapor extraction of wet gasoline-contaminated soil made possible by electroosmotic dewatering—lab simulations applied at a field site. <i>Journal of Soils and Sediments</i> , 2018, 18, 3303-3309.	3.0	11
44	Umbilicus as a fitness signal in humans. <i>FASEB Journal</i> , 2009, 23, 10-12.	0.5	10
45	Testing the homogenizing effect of low copper sulfate concentrations on the size distribution of <i>Portulaca oleracea</i> seedlings in vitro. <i>Science of the Total Environment</i> , 2009, 407, 4461-4464.	8.0	10
46	Consumer Trust in a Health-Enhancing Innovation “Comparisons between Finland, Germany, and the United Kingdom. <i>Journal of International Consumer Marketing</i> , 2019, 31, 162-176.	3.7	10
47	Treatment of municipal wastewater in full-scale on-site sand filter reduces BOD efficiently but does not reach requirements for nitrogen and phosphorus removal. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11446-11458.	5.3	9
48	Enhanced Electrokinetic Remediation of Cadmium (Cd)-Contaminated Soil with Interval Power Breaking. <i>International Journal of Environmental Research</i> , 2022, 16, .	2.3	8
49	Positive association between biotin and the abundance of root-feeding nematodes. <i>Soil Biology and Biochemistry</i> , 2014, 73, 93-95.	8.8	7
50	Bacterial avidins are a widely distributed protein family in Actinobacteria, Proteobacteria and Bacteroidetes. <i>Bmc Ecology and Evolution</i> , 2021, 21, 53.	1.6	7
51	Realistic low-doses of two emerging contaminants change size distribution of an annual flowering plant population. <i>Ecotoxicology</i> , 2019, 28, 732-743.	2.4	6
52	Airborne and belowground phytotoxicity of invasive <i>Ageratina adenophora</i> on native species in Nepal. <i>Plant Ecology</i> , 2020, 221, 883-892.	1.6	6
53	Do Rural Second Homes Shape Commensal Microbiota of Urban Dwellers? A Pilot Study among Urban Elderly in Finland. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3742.	2.6	6
54	Effect of inactivated nature-derived microbial composition on mouse immune system. <i>Immunity, Inflammation and Disease</i> , 2022, 10, .	2.7	6

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55	Ultraviolet leaf pigments as components of autumn colours: a constructive comment on Archetti et al.. Trends in Ecology and Evolution, 2009, 24, 236-237.	8.7	5
56	Changes inTcAgene frequency explain 2,4,6-trichlorophenol degradation in mesocosms. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 756-759.	1.5	5
57	Nitrogen fertilizers stimulate desorption and biodegradation of gasoline aromatics in the soil from high Arctic permafrost active layer: A laboratory study. International Biodeterioration and Biodegradation, 2020, 150, 104957.	3.9	5
58	Early shoot growth termination in Betula pendula is associated with the number of overwintering aphid eggs on boreal birches. Evolutionary Ecology, 2015, 29, 157-167.	1.2	4
59	Requirement of ecological replication with independent parallel analysis of each replicate plot to support soil remediation. International Biodeterioration and Biodegradation, 2018, 133, 133-141.	3.9	4
60	Factors Affecting Young Adultsâ€™ Willingness to Try Novel Health-Enhancing Nature-Based Products. Journal of International Consumer Marketing, 2021, 33, 595-612.	3.7	4
61	Long-term storage affects resource availability and occurrence of bacterial taxa linked to pollutant degradation and human health in landscaping materials. Urban Forestry and Urban Greening, 2021, 60, 127065.	5.3	4
62	Natural additives contribute to hydrocarbon and heavy metal co-contaminated soil remediation. Environmental Pollution, 2022, 307, 119569.	7.5	4
63	Luonnon monimuotoisuus ja vihreÄ elvytys. Suomen Luontopaneelin Julkaisuja, 0, , .	0.0	2
64	Advances in agro-environmental organic contamination: An introduction to the Special Issue. Chemosphere, 2022, 287, 132071.	8.2	2
65	Exposomic determinants of immune-mediated diseases. Environmental Epidemiology, 2022, 6, e212.	3.0	2
66	Keskeiset keinot luontokadon pysÄyttÄmiseksi. Suomen Luontopaneelin Julkaisuja, 0, , .	0.0	1
67	Soiden ennallistamisen suoluonto-, vesistÄ- ja ilmastovaikutukset. Luontopaneelin yhteenveto ja suositukset luontopolitiikan suunnittelun ja pÄÄtÄksenteon tueksi.. Suomen Luontopaneelin Julkaisuja, 0, , .	0.0	1
68	Comment on Chemical Ecology in Wheat Plantâ€™Pest Interactions. How the Use of Modern Techniques and a Multidisciplinary Approach Can Throw New Light on a Well-known Phenomenon:Ä Allelopathy. Journal of Agricultural and Food Chemistry, 2007, 55, 1643-1644.	5.2	0
69	Jatkuvapeitteisen metsÄnkÄsittelyn ympÄristÄ- ja talousvaikutukset: Raportin yhteenveto. Suomen Luontopaneelin Julkaisuja, 0, , .	0.0	0