

Raimo Mikkola

List of Publications by Year in descending order

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48
papers

1,714
citations

279487

23
h-index

276539

41
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49
all docs

49
docs citations

49
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Sensitive Bioassay for Detection of <i>Bacillus cereus</i> Emetic Toxin and Related Depsipeptide Ionophores. <i>Applied and Environmental Microbiology</i> , 1998, 64, 1338-1343.	1.4	161
2	Ionophoretic properties and mitochondrial effects of cereulide. The emetic toxin of <i>B. cereus</i> . <i>FEBS Journal</i> , 1999, 263, 112-117.	0.2	129
3	<i>Frigoribacterium faeni</i> gen. nov., sp. nov., a novel psychrophilic genus of the family Microbacteriaceae. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2000, 50, 355-363.	0.8	121
4	Inhibition of human natural killer cell activity by cereulide, an emetic toxin from <i>Bacillus cereus</i> . <i>Clinical and Experimental Immunology</i> , 2002, 129, 420-428.	1.1	88
5	The Mitochondrial Toxin Produced by <i>Streptomyces griseus</i> Strains Isolated from an Indoor Environment Is Valinomycin. <i>Applied and Environmental Microbiology</i> , 1998, 64, 4767-4773.	1.4	87
6	A new method for in vitro detection of microbially produced mitochondrial toxins. <i>Toxicology in Vitro</i> , 2003, 17, 745-751.	1.1	72
7	Toxic lactonic lipopeptide from food poisoning isolates of <i>Bacillus licheniformis</i> . <i>FEBS Journal</i> , 2000, 267, 4068-4074.	0.2	69
8	<i>Bacillus subtilis</i> and <i>B. mojavensis</i> strains connected to food poisoning produce the heat stable toxin amyloisin. <i>Journal of Applied Microbiology</i> , 2009, 106, 1976-1985.	1.4	64
9	The higher toxicity of cereulide relative to valinomycin is due to its higher affinity for potassium at physiological plasma concentration. <i>Toxicology and Applied Pharmacology</i> , 2006, 210, 39-46.	1.3	61
10	20-residue and 11-residue peptaibols from the fungus <i>Trichoderma longibrachiatum</i> are synergistic in forming Na ⁺ /K ⁺ -permeable channels and adverse action towards mammalian cells. <i>FEBS Journal</i> , 2012, 279, 4172-4190.	2.2	60
11	Biological Effects of <i>Trichoderma harzianum</i> Peptaibols on Mammalian Cells. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4996-5004.	1.4	59
12	<i>Bacillus amyloliquefaciens</i> strains isolated from moisture-damaged buildings produced surfactin and a substance toxic to mammalian cells. <i>Archives of Microbiology</i> , 2004, 181, 314-323.	1.0	42
13	The influence of wooden interior materials on indoor environment: a review. <i>European Journal of Wood and Wood Products</i> , 2020, 78, 617-634.	1.3	40
14	Exposure to indoor air contaminants in school buildings with and without reported indoor air quality problems. <i>Environment International</i> , 2020, 141, 105781.	4.8	38
15	Acrebol, a novel toxic peptaibol produced by an <i>Acremonium exuviarum</i> indoor isolate. <i>Journal of Applied Microbiology</i> , 2009, 106, 909-923.	1.4	37
16	Potato Crop as a Source of Emetic <i>Bacillus cereus</i> and Cereulide-Induced Mammalian Cell Toxicity. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3534-3543.	1.4	36
17	Indoor <i>Trichoderma</i> strains emitting peptaibols in guttation droplets. <i>Journal of Applied Microbiology</i> , 2018, 125, 1408-1422.	1.4	36
18	Amyloisin from <i>Bacillus amyloliquefaciens</i> , a K ⁺ and Na ⁺ channel-forming toxic peptide containing a polyene structure. <i>Toxicon</i> , 2007, 49, 1158-1171.	0.8	34

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19	Toxic indole alkaloids avrainvillamide and stephacidin B produced by a biocide tolerant indoor mold <i>Aspergillus westerdijkiae</i> . <i>Toxicon</i> , 2015, 99, 58-67.	0.8	31
20	In vitro toxicity of cereulide on porcine pancreatic Langerhans islets. <i>Toxicon</i> , 2008, 51, 1029-1037.	0.8	30
21	Boar spermatozoa as a biosensor for detecting toxic substances in indoor dust and aerosols. <i>Toxicology in Vitro</i> , 2010, 24, 2041-2052.	1.1	29
22	Inhibition of Human NK Cell Function by Valinomycin, a Toxin from <i>Streptomyces griseus</i> in Indoor Air. <i>Infection and Immunity</i> , 2000, 68, 165-169.	1.0	28
23	Novel Mycotoxin from <i>Acremonium exuviarum</i> Is a Powerful Inhibitor of the Mitochondrial Respiratory Chain Complex III. <i>Chemical Research in Toxicology</i> , 2009, 22, 565-573.	1.7	26
24	Endotoxin levels and contribution factors of endotoxins in resident, school, and office environments – A review. <i>Atmospheric Environment</i> , 2016, 142, 360-369.	1.9	25
25	<i>Penicillium expansum</i> strain isolated from indoor building material was able to grow on gypsum board and emitted guttation droplets containing chaetoglobosins and communesins A, B and D. <i>Journal of Applied Microbiology</i> , 2019, 127, 1135-1147.	1.4	25
26	Psychrotolerant <i>Paenibacillus tundrae</i> Isolates from Barley Grains Produce New Cereulide-Like Depsideptides (Paenilide and Homopaenilide) That Are Highly Toxic to Mammalian Cells. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3732-3743.	1.4	24
27	Ventilation Positive Pressure Intervention Effect on Indoor Air Quality in a School Building with Moisture Problems. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 230.	1.2	24
28	Cereulide produced by <i>Bacillus cereus</i> increases the fitness of the producer organism in low-potassium environments. <i>Microbiology (United Kingdom)</i> , 2012, 158, 1106-1116.	0.7	21
29	The Peptide Toxin Amylosin of <i>Bacillus amyloliquefaciens</i> from Moisture-Damaged Buildings Is Immunotoxic, Induces Potassium Efflux from Mammalian Cells, and Has Antimicrobial Activity. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2939-2949.	1.4	21
30	Detection of <i>Chaetomium globosum</i> , <i>Ch. cochliodes</i> and <i>Ch. rectangulare</i> during the Diversity Tracking of Mycotoxin-Producing <i>Chaetomium</i> -like Isolates Obtained in Buildings in Finland. <i>Toxins</i> , 2020, 12, 443.	1.5	19
31	Microbial toxin's effect on mitochondrial survival by increasing K ⁺ uptake. <i>Toxicology and Industrial Health</i> , 2009, 25, 441-446.	0.6	18
32	The toxic mode of action of cyclic lipodepsipeptide fusaricidins, produced by <i>Paenibacillus polymyxa</i> , toward mammalian cells. <i>Journal of Applied Microbiology</i> , 2017, 123, 436-449.	1.4	17
33	Bleached kraft pulp mill discharged organic matter in recipient lake sediment. <i>Environmental Science and Pollution Research</i> , 1997, 4, 194-202.	2.7	16
34	Effects of Ventilation Improvement on Measured and Perceived Indoor Air Quality in a School Building with a Hybrid Ventilation System. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1414.	1.2	16
35	An Evaluation of Boar Spermatozoa as a Biosensor for the Detection of Sublethal and Lethal Toxicity. <i>Toxins</i> , 2018, 10, 463.	1.5	15
36	Community structure of biofilms on ennobled stainless steel in Baltic Sea water. <i>Journal of Industrial Microbiology and Biotechnology</i> , 1998, 21, 261-274.	1.4	14

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37	Benthic conditions around a historic shipwreck: Vrouw Maria (1771) in the northern Baltic proper. <i>Continental Shelf Research</i> , 2015, 98, 1-12.	0.9	11
38	The effect of positive pressure on indoor air quality in a deeply renovated school building – a case study. <i>Energy Procedia</i> , 2017, 132, 165-170.	1.8	10
39	Online Questionnaire as a Tool to Assess Symptoms and Perceived Indoor Air Quality in a School Environment. <i>Atmosphere</i> , 2018, 9, 270.	1.0	9
40	Chaetomium and Chaetomium-like Species from European Indoor Environments Include <i>Dichotomopilus finlandicus</i> sp. nov.. <i>Pathogens</i> , 2021, 10, 1133.	1.2	9
41	Streptomyces strains producing mitochondriotoxic antimycin A found in cereal grains. <i>International Journal of Food Microbiology</i> , 2016, 218, 78-85.	2.1	8
42	Screening Mold Colonies by Using Two Toxicity Assays Revealed Indoor Strains of <i>Aspergillus calidoustus</i> Producing Ophiobolins G and K. Toxins, 2019, 11, 683.	1.5	8
43	Antimycin A-producing nonphytopathogenic <i>Streptomyces turgidiscabies</i> from potato. <i>Journal of Applied Microbiology</i> , 2008, 104, 1332-1340.	1.4	7
44	Melinacidin-Producing <i>Acrostalagmus luteoalbus</i> , a Major Constituent of Mixed Mycobiota Contaminating Insulation Material in an Outdoor Wall. <i>Pathogens</i> , 2021, 10, 843.	1.2	7
45	Emissions of DEHP-free PVC flooring. <i>Indoor Air</i> , 2019, 29, 903-912.	2.0	5
46	The effects of paints and moisture content on the indoor air emissions from pinewood (<i>Pinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	4
47	Measured and perceived indoor air quality in three low-energy wooden test buildings. <i>Wood Material Science and Engineering</i> , 0, , 1-14.	1.1	2
48	Fusaricidin-Type Compounds Create Pores in Mitochondrial and Plasma Membranes of Mammalian Cells. <i>Biomolecules</i> , 2019, 9, 433.	1.8	1