Laure Weisskopf

List of Publications by Year
in descending order

52 papers	4,385 citations	136740 32 h-index	197535 49 g-index
54 all docs	54 docs citations	54 times ranked	4698 citing authors

#	Article	IF	Citations
1	Production of plant growth modulating volatiles is widespread among rhizosphere bacteria and strongly depends on culture conditions. Environmental Microbiology, 2011, 13, 3047-3058.	1.8	343
2	Release of plant-borne flavonoids into the rhizosphere and their role in plant nutrition. Plant and Soil, 2010, 329, 1-25.	1.8	292
3	Plant-borne flavonoids released into the rhizosphere: impact on soil bio-activities related to plant nutrition. A review. Biology and Fertility of Soils, 2012, 48, 123-149.	2.3	254
4	Microbial volatile organic compounds in intra-kingdom and inter-kingdom interactions. Nature Reviews Microbiology, 2021, 19, 391-404.	13.6	234
5	Production of Bioactive Volatiles by Different Burkholderia ambifaria Strains. Journal of Chemical Ecology, 2013, 39, 892-906.	0.9	227
6	The modulating effect of bacterial volatiles on plant growth. Plant Signaling and Behavior, 2012, 7, 79-85.	1.2	195
7	Pseudomonas Strains Naturally Associated with Potato Plants Produce Volatiles with High Potential for Inhibition of Phytophthora infestans. Applied and Environmental Microbiology, 2015, 81, 821-830.	1.4	189
8	The interâ€kingdom volatile signal indole promotes root development by interfering with auxin signalling. Plant Journal, 2014, 80, 758-771.	2.8	162
9	White lupin has developed a complex strategy to limit microbial degradation of secreted citrate required for phosphate acquisition. Plant, Cell and Environment, 2006, 29, 919-927.	2.8	160
10	Title is missing!. Plant and Soil, 2002, 246, 167-174.	1.8	158
11	Heavy metals in white lupin: uptake, rootâ€toâ€shoot transfer and redistribution within the plant. New Phytologist, 2006, 171, 329-341.	3.5	149
12	Volatile-Mediated Killing of <i>Arabidopsis thaliana</i> by Bacteria Is Mainly Due to Hydrogen Cyanide. Applied and Environmental Microbiology, 2011, 77, 1000-1008.	1.4	148
13	Volatile Organic Compounds from Native Potato-associated Pseudomonas as Potential Anti-oomycete Agents. Frontiers in Microbiology, 2015, 6, 1295.	1.5	134
14	Deciphering Trichodermaâ€"Plantâ€"Pathogen Interactions for Better Development of Biocontrol Applications. Journal of Fungi (Basel, Switzerland), 2021, 7, 61.	1.5	133
15	Combining Different Potato-Associated Pseudomonas Strains for Improved Biocontrol of Phytophthora infestans. Frontiers in Microbiology, 2018, 9, 2573.	1.5	127
16	Molecular mechanisms underlying the close association between soil <i>Burkholderia</i> and fungi. ISME Journal, 2016, 10, 253-264.	4.4	118
17	Flavonoids of white lupin roots participate in phosphorus mobilization from soil. Soil Biology and Biochemistry, 2008, 40, 1971-1974.	4.2	109
18	Genusâ€wide acid tolerance accounts for the biogeographical distribution of soil <i>Burkholderia</i> populations. Environmental Microbiology, 2014, 16, 1503-1512.	1.8	105

#	Article	IF	Citations
19	Plasma membrane H⁺â€ATPaseâ€dependent citrate exudation from cluster roots of phosphateâ€deficient white lupin. Plant, Cell and Environment, 2009, 32, 465-475.	2.8	99
20	Mining the Volatilomes of Plant-Associated Microbiota for New Biocontrol Solutions. Frontiers in Microbiology, 2017, 8, 1638.	1.5	95
21	Airborne medicine: bacterial volatiles and their influence on plant health. New Phytologist, 2020, 226, 32-43.	3.5	93
22	Burkholderia Species Are Major Inhabitants of White Lupin Cluster Roots. Applied and Environmental Microbiology, 2011, 77, 7715-7720.	1.4	66
23	Isoflavonoid exudation from white lupin roots is influenced by phosphate supply, root type and clusterâ€root stage. New Phytologist, 2006, 171, 657-668.	3.5	65
24	Oxalotrophy, a widespread trait of plant-associated Burkholderia species, is involved in successful root colonization of lupin and maize by Burkholderia phytofirmans. Frontiers in Microbiology, 2014, 4, 421.	1.5	65
25	Secretion activity of white lupinâ€™s cluster roots influences bacterial abundance, function and community structure. Plant and Soil, 2005, 268, 181-194.	1.8	60
26	Endophytes and Epiphytes From the Grapevine Leaf Microbiome as Potential Biocontrol Agents Against Phytopathogens. Frontiers in Microbiology, 2019, 10, 2726.	1.5	55
27	Spatio-temporal dynamics of bacterial communities associated with two plant species differing in organic acid secretion: A one-year microcosm study on lupin and wheat. Soil Biology and Biochemistry, 2008, 40, 1772-1780.	4.2	54
28	Contribution of Hydrogen Cyanide to the Antagonistic Activity of Pseudomonas Strains Against Phytophthora infestans. Microorganisms, 2020, 8, 1144.	1.6	51
29	The Anti-Phytophthora Effect of Selected Potato-Associated Pseudomonas Strains: From the Laboratory to the Field. Frontiers in Microbiology, 2015, 6, 1309.	1.5	44
30	The Burkholderia cenocepacia LysR-Type Transcriptional Regulator ShvR Influences Expression of Quorum-Sensing, Protease, Type II Secretion, and afc Genes. Journal of Bacteriology, 2011, 193, 163-176.	1.0	43
31	Genome Insights of the Plant-Growth Promoting Bacterium Cronobacter muytjensii JZ38 With Volatile-Mediated Antagonistic Activity Against Phytophthora infestans. Frontiers in Microbiology, 2020, 11, 369.	1.5	39
32	Soil Phosphorus Uptake by Continuously Cropped Lupinus albus: A New Microcosm Design. Plant and Soil, 2006, 283, 309-321.	1.8	38
33	Linking Comparative Genomics of Nine Potato-Associated Pseudomonas Isolates With Their Differing Biocontrol Potential Against Late Blight. Frontiers in Microbiology, 2020, 11, 857.	1.5	32
34	ATP citrate lyase: cloning, heterologous expression and possible implication in root organic acid metabolism and excretion. Plant, Cell and Environment, 2002, 25, 1561-1569.	2.8	30
35	Longâ€Chain Alkyl Cyanides: Unprecedented Volatile Compounds Released by <i>Pseudomonas</i> and <i>Micromonospora</i> Bacteria. Angewandte Chemie - International Edition, 2017, 56, 4342-4346.	7.2	26
36	Biocontrol Activity of Three <i>Pseudomonas</i> in a Newly Assembled Collection of <i>Phytophthora infestans</i> Isolates. Phytopathology, 2019, 109, 1555-1565.	1.1	26

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37	Editorial: Smelly Fumes: Volatile-Mediated Communication between Bacteria and Other Organisms. Frontiers in Microbiology, 2016, 7, 2031.	1.5	23
38	A sulfur-containing volatile emitted by potato-associated bacteria confers protection against late blight through direct anti-oomycete activity. Scientific Reports, 2019, 9, 18778.	1.6	23
39	Microbial life in the grapevine: what can we expect from the leaf microbiome?. Oeno One, 2018, 52, 219-224.	0.7	19
40	The genetic basis of cadmium resistance of <i><scp>B</scp>urkholderia cenocepacia</i>. Environmental Microbiology Reports, 2012, 4, 562-568.	1.0	17
41	Disease Inhibiting Effect of Strain <i>Bacillus subtilis</i> EG21 and Its Metabolites Against Potato Pathogens <i>Phytophthora infestans</i> and <i>Rhizoctonia solani</i>. Phytopathology, 2022, 112, 2099-2109.	1.1	16
42	Basidiomycetes Are Particularly Sensitive to Bacterial Volatile Compounds: Mechanistic Insight Into the Case Study of Pseudomonas protegens Volatilome Against Heterobasidion abietinum. Frontiers in Microbiology, 2021, 12, 684664.	1.5	14
43	White lupin leads to increased maize yield through a soil fertility-independent mechanism: a new candidate for fighting Striga hermonthica infestation?. Plant and Soil, 2009, 319, 101-114.	1.8	12
44	S-methyl Methanethiosulfonate: Promising Late Blight Inhibitor or Broad Range Toxin?. Pathogens, 2020, 9, 496.	1.2	10
45	Multiple strategies of plant colonization by beneficial endophytic <scp><i>Enterobacter</i></scp> sp. <scp>SA187</scp>. Environmental Microbiology, 2021, 23, 6223-6240.	1.8	10
46	Volatile Interplay Between Microbes: Friends and Foes. , 2020, , 215-235.		4
47	Identification of a species-specific aminotransferase in Pediococcus acidilactici capable of forming Î±-aminobutyrate. AMB Express, 2020, 10, 100.	1.4	4
48	Evaluating the Antagonistic Potential of Actinomycete Strains Isolated From Sudanâ€™s Soils Against Phytophthora infestans. Frontiers in Microbiology, 0, 13, .	1.5	4
49	Langkettige Alkylcyanide, beispiellose flÃ¼chtige Verbindungen aus <i>Pseudomonas</i>â€•und <i>Micromonospora</i>â€Bakterien. Angewandte Chemie, 2017, 129, 4406-4410.	1.6	2
50	Spotlight on how microbes influence their host's behavior. Environmental Microbiology, 2019, 21, 3185-3187.	1.8	2
51	Understanding the mechanism of action of stress-acclimatized rhizospheric microbiome towards salinity stress mitigation in Vigna radiata: A focus on the emission of volatiles. Environmental and Experimental Botany, 2022, 201, 104988.	2.0	1
52	Improved methods to assess the effect of bacteria on germination of fungal spores. FEMS Microbiology Letters, 2022, 369, .	0.7	0