Peter A H M Bakker

List of Publications by Year
in descending order

57 papers	15,467 citations	71102 41 h-index	149698 56 g-index
59 all docs	59 docs citations	59 times ranked	11775 citing authors

#	Article	IF	Citations
1	The rhizosphere microbiome and plant health. Trends in Plant Science, 2012, 17, 478-486.	8.8	3,741
2	Induced Systemic Resistance by Beneficial Microbes. Annual Review of Phytopathology, 2014, 52, 347-375.	7.8	2,193
3	Deciphering the Rhizosphere Microbiome for Disease-Suppressive Bacteria. Science, 2011, 332, 1097-1100.	12.6	2,135
4	MYB72-dependent coumarin exudation shapes root microbiome assembly to promote plant health. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5213-E5222.	7.1	608
5	Disease-induced assemblage of a plant-beneficial bacterial consortium. ISME Journal, 2018, 12, 1496-1507.	9.8	603
6	Impact of root exudates and plant defense signaling on bacterial communities in the rhizosphere. A review. Agronomy for Sustainable Development, 2012, 32, 227-243.	5.3	543
7	Induced Systemic Resistance by Fluorescent Pseudomonas spp.. Phytopathology, 2007, 97, 239-243.	2.2	472
8	The rhizosphere revisited: root microbiomics. Frontiers in Plant Science, 2013, 4, 165.	3.6	372
9	The Soil-Borne Legacy. Cell, 2018, 172, 1178-1180.	28.9	366
10	Determinants ofPseudomonas putidaWCS358 involved in inducing systemic resistance in plants. Molecular Plant Pathology, 2005, 6, 177-185.	4.2	307
11	Fungal invasion of the rhizosphere microbiome. ISME Journal, 2016, 10, 265-268.	9.8	294
12	Interactions between plants and beneficial Pseudomonas spp.: exploiting bacterial traits for crop protection. Antonie Van Leeuwenhoek, 2007, 92, 367-389.	1.7	261
13	<i>Pseudomonas fluorescens</i> WCS374r-Induced Systemic Resistance in Rice against <i>Magnaporthe oryzae</i> Is Based on Pseudobactin-Mediated Priming for a Salicylic Acid-Repressible Multifaceted Defense Response. Plant Physiology, 2008, 148, 1996-2012.	4.8	257
14	Induced Systemic Resistance in <i>Arabidopsis thaliana</i> Against <i>Pseudomonas syringae</i> pv. <i>tomato</i> by 2,4-Diacetylphloroglucinol-Producing <i>Pseudomonas fluorescens</i>. Phytopathology, 2012, 102, 403-412.	2.2	190
15	Unearthing the genomes of plant-beneficial Pseudomonas model strains WCS358, WCS374 and WCS417. BMC Genomics, 2015, 16, 539.	2.8	184
16	Iron and Immunity. Annual Review of Phytopathology, 2017, 55, 355-375.	7.8	183
17	Utilization of heterologous siderophores and rhizosphere competence of fluorescent<i>Pseudomonas</i>spp.. Canadian Journal of Microbiology, 1995, 41, 126-135.	1.7	179
18	Control of Fusarium Wilt of Radish by Combining Pseudomonas putida Strains that have Different Disease-Suppressive Mechanisms. Phytopathology, 2003, 93, 626-632.	2.2	172

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19	Analysis of the pmsCEAB Gene Cluster Involved in Biosynthesis of Salicylic Acid and the Siderophore Pseudomonine in the Biocontrol Strain Pseudomonas fluorescens WCS374. Journal of Bacteriology, 2001, 183, 1909-1920.	2.2	161
20	Natural genetic variation in Arabidopsis for responsiveness to plant growth-promoting rhizobacteria. Plant Molecular Biology, 2016, 90, 623-634.	3.9	140
21	Microbial Antagonism at the Root Level Is Involved in the Suppression of Fusarium Wilt by the Combination of Nonpathogenic Fusarium oxysporum Fo47 and Pseudomonas putida WCS358. Phytopathology, 1999, 89, 1073-1079.	2.2	133
22	Beneficial microbes going underground of root immunity. Plant, Cell and Environment, 2019, 42, 2860-2870.	5.7	133
23	Early Responses of Tobacco Suspension Cells to Rhizobacterial Elicitors of Induced Systemic Resistance. Molecular Plant-Microbe Interactions, 2008, 21, 1609-1621.	2.6	125
24	Effect of Genetically Modified Pseudomonas putida WCS358r on the Fungal Rhizosphere Microflora of Field-Grown Wheat. Applied and Environmental Microbiology, 2001, 67, 3371-3378.	3.1	116
25	Effects of Jasmonic Acid, Ethylene, and Salicylic Acid Signaling on the Rhizosphere Bacterial Community of <i>Arabidopsis thaliana</i>. Molecular Plant-Microbe Interactions, 2011, 24, 395-407.	2.6	114
26	Rhizosphere-Associated Pseudomonas Suppress Local Root Immune Responses by Gluconic Acid-Mediated Lowering of Environmental pH. Current Biology, 2019, 29, 3913-3920.e4.	3.9	112
27	Siderophore-mediated competition for iron and induced resistance in the suppression of fusarium wilt of carnation by fluorescent Pseudomonas spp. European Journal of Plant Pathology, 1993, 99, 277-289.	0.5	107
28	Induced Systemic Resistance and the Rhizosphere Microbiome. Plant Pathology Journal, 2013, 29, 136-143.	1.7	106
29	A Comparative Review on Microbiota Manipulation: Lessons From Fish, Plants, Livestock, and Human Research. Frontiers in Nutrition, 2018, 5, 80.	3.7	95
30	Peatland vascular plant functional types affect methane dynamics by altering microbial community structure. Journal of Ecology, 2015, 103, 925-934.	4.0	90
31	The Soil-Borne Identity and Microbiome-Assisted Agriculture: Looking Back to the Future. Molecular Plant, 2020, 13, 1394-1401.	8.3	80
32	Ethylene-Insensitive Tobacco Shows Differentially Altered Susceptibility to Different Pathogens. Phytopathology, 2003, 93, 813-821.	2.2	74
33	Suppression of fusarium wilt of carnation by<i>Pseudomonas putida</i>WCS358 at different levels of disease incidence and iron availability. Biocontrol Science and Technology, 1994, 4, 279-288.	1.3	63
34	Arabidopsis thaliana as a tool to identify traits involved in Verticillium dahliae biocontrol by the olive root endophyte Pseudomonas fluorescens PICF7. Frontiers in Microbiology, 2015, 06, 266.	3.5	55
35	Effects of Pseudomonas putida modified to produce phenazine-1-carboxylic acid and 2,4-diacetylphloroglucinol on the microflora of field grown wheat. Antonie Van Leeuwenhoek, 2002, 81, 617-624.	1.7	53
36	Rhizobacterial salicylate production provokes headaches!. Plant and Soil, 2014, 382, 1-16.	3.7	53

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37	Pseudomonas simiae WCS417: star track of a model beneficial rhizobacterium. Plant and Soil, 2021, 461, 245-263.	3.7	53
38	Competition for Iron and Induced Systemic Resistance by Siderophores of Plant Growth Promoting Rhizobacteria. , 2007, , 121-133.		52
39	Rapid evolution of bacterial mutualism in the plant rhizosphere. Nature Communications, 2021, 12, 3829.	12.8	51
40	Ethylene Insensitivity Impairs Resistance to Soilborne Pathogens in Tobacco and Arabidopsis thaliana. Molecular Plant-Microbe Interactions, 2002, 15, 1078-1085.	2.6	50
41	Diversity, Virulence, and 2,4-Diacetylphloroglucinol Sensitivity of <i>Gaeumannomyces graminis</i> var. <i>tritici</i> Isolates from Washington State. Phytopathology, 2009, 99, 472-479.	2.2	50
42	Assessment of differences in ascomycete communities in the rhizosphere of field-grown wheat and potato. FEMS Microbiology Ecology, 2005, 53, 245-253.	2.7	47
43	Ironâ€regulated metabolites produced by P seudomonas fluorescens WCS 374r are not required for eliciting induced systemic resistance against P seudomonas syringae pv. tomato in A rabidopsis. MicrobiologyOpen, 2012, 1, 311-325.	3.0	38
44	Type III Secretion System of Beneficial Rhizobacteria Pseudomonas simiae WCS417 and Pseudomonas defensor WCS374. Frontiers in Microbiology, 2019, 10, 1631.	3.5	36
45	Effect of atmospheric CO2 on plant defense against leaf and root pathogens of Arabidopsis. European Journal of Plant Pathology, 2019, 154, 31-42.	1.7	31
46	Ferric pseudobactin 358 as an iron source for carnation. Journal of Plant Nutrition, 1994, 17, 2069-2078.	1.9	30
47	Experimental-Evolution-Driven Identification of <i>Arabidopsis</i> Rhizosphere Competence Genes in Pseudomonas protegens. MBio, 2021, 12, e0092721.	4.1	19
48	The secret life of plantâ€beneficial rhizosphere bacteria: insects as alternative hosts. Environmental Microbiology, 2022, 24, 3273-3289.	3.8	19
49	Transcriptome Signatures in Pseudomonas simiae WCS417 Shed Light on Role of Root-Secreted Coumarins in Arabidopsis-Mutualist Communication. Microorganisms, 2021, 9, 575.	3.6	12
50	Microbial Control of Root-Pathogenic Fungi and Oomycetes. , 2015, , 165-173.		9
51	Absence of induced resistance in Agaricus bisporus against Lecanicillium fungicola. Antonie Van Leeuwenhoek, 2013, 103, 539-550.	1.7	7
52	The soilâ€borne ultimatum, microbial biotechnology and sustainable agriculture. Microbial Biotechnology, 2022, 15, 84-87.	4.2	7
53	Rapid evolution of trait correlation networks during bacterial adaptation to the rhizosphere. Evolution; International Journal of Organic Evolution, 2021, 75, 1218-1229.	2.3	5
54	Plant-Beneficial <i>Pseudomonas</i> Spp. Suppress Local Root Immune Responses by Gluconic Acid-Mediated Lowering of Environmental pH. SSRN Electronic Journal, 0, , .	0.4	5

#	Article	IF	Citations
55	Soil-Borne Legacies of Disease in Arabidopsis thaliana. Methods in Molecular Biology, 2021, 2232, 209-218.	0.9	3
56	Collection of Sterile Root Exudates from Foliar Pathogen-Inoculated Plants. Methods in Molecular Biology, 2021, 2232, 305-317.	0.9	3
57	First Report of <i>Soybean mosaic virus</i> in Commercially Grown Soybean in the Netherlands. Plant Disease, 2022, 106, 775.	1.4	1