Jos M Raaijmakers

List of Publications by Citations

152 papers	19,994 citations	66 h-index	141 g-index
171 ext. papers	25,381 ext. citations	6.9 avg, IF	7.19 L-index

#	Paper	IF	Citations
152	Going back to the roots: the microbial ecology of the rhizosphere. *Nature Reviews Microbiology*, **2013**, 11, 789-99	22.2	1684
151	Deciphering the rhizosphere microbiome for disease-suppressive bacteria. *Science*, **2011**, 332, 1097-100	33.3	1516
150	The rhizosphere microbiome: significance of plant beneficial, plant pathogenic, and human pathogenic microorganisms. *FEMS Microbiology Reviews*, **2013**, 37, 634-63	15.1	1248
149	Microbial populations responsible for specific soil suppressiveness to plant pathogens. *Annual Review of Phytopathology*, **2002**, 40, 309-48	10.8	1172
148	The rhizosphere: a playground and battlefield for soilborne pathogens and beneficial microorganisms. *Plant and Soil*, **2009**, 321, 341-361	4.2	1003
147	Natural functions of lipopeptides from Bacillus and Pseudomonas: more than surfactants and antibiotics. *FEMS Microbiology Reviews*, **2010**, 34, 1037-62	15.1	679
146	Mass spectral molecular networking of living microbial colonies. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1743-52	11.5	593
145	Antibiotic production by bacterial biocontrol agents. *Antonie Van Leeuwenhoek*, **2002**, 81, 537-47	2.1	575
144	Minimum Information about a Biosynthetic Gene cluster. *Nature Chemical Biology*, **2015**, 11, 625-31	11.7	498
143	Comparative genomics of plant-associated Pseudomonas spp.: insights into diversity and inheritance of traits involved in multitrophic interactions. *PLoS Genetics*, **2012**, 8, e1002784	6	432
142	Natural Plant Protection by 2,4-Diacetylphloroglucinol-Producing Pseudomonas spp. in Take-All Decline Soils. *Molecular Plant-Microbe Interactions*, **1998**, 11, 144-152	3.6	366
141	Diversity and natural functions of antibiotics produced by beneficial and plant pathogenic bacteria. *Annual Review of Phytopathology*, **2012**, 50, 403-24	10.8	357
140	Microbial Extracellular Polymeric Substances: Ecological Function and Impact on Soil Aggregation. *Frontiers in Microbiology*, **2018**, 9, 1636	5.7	348
139	Cyclic lipopeptide production by plant-associated Pseudomonas spp.: diversity, activity, biosynthesis, and regulation. *Molecular Plant-Microbe Interactions*, **2006**, 19, 699-710	3.6	333
138	Impact of plant domestication on rhizosphere microbiome assembly and functions. *Plant Molecular Biology*, **2016**, 90, 635-44	4.6	331
137	Pathogen-induced activation of disease-suppressive functions in the endophytic root microbiome. *Science*, **2019**, 366, 606-612	33.3	263
136	Volatile affairs in microbial interactions. *ISME Journal*, **2015**, 9, 2329-35	11.9	253

135	Dose-Response Relationships in Biological Control of Fusarium Wilt of Radish byPseudomonasspp.. *Phytopathology*, **1995**, 85, 1075	3.8	247
134	Role of the cyclic lipopeptide massetolide A in biological control of Phytophthora infestans and in colonization of tomato plants by Pseudomonas fluorescens. *New Phytologist*, **2007**, 175, 731-742	9.8	218
133	Ectomycorrhizal symbiosis affects functional diversity of rhizosphere fluorescent pseudomonads. *New Phytologist*, **2005**, 165, 317-28	9.8	201
132	Exploiting genotypic diversity of 2,4-diacetylphloroglucinol-producing Pseudomonas spp.: characterization of superior root-colonizing P. fluorescens strain Q8r1-96. *Applied and Environmental Microbiology*, **2001**, 67, 2545-54	4.8	200
131	Biochemical, genetic, and zoosporicidal properties of cyclic lipopeptide surfactants produced by Pseudomonas fluorescens. *Applied and Environmental Microbiology*, **2003**, 69, 7161-72	4.8	193
130	Effect of Population Density of Pseudomonas fluorescens on Production of 2,4-Diacetylphloroglucinol in the Rhizosphere of Wheat. *Phytopathology*, **1999**, 89, 470-5	3.8	193
129	Pathogen self-defense: mechanisms to counteract microbial antagonism,. *Annual Review of Phytopathology*, **2003**, 41, 501-38	10.8	192
128	Diversity and evolution of the phenazine biosynthesis pathway. *Applied and Environmental Microbiology*, **2010**, 76, 866-79	4.8	188
127	Genome-based discovery, structure prediction and functional analysis of cyclic lipopeptide antibiotics in Pseudomonas species. *Molecular Microbiology*, **2007**, 63, 417-28	4.1	188
126	Metabolic and transcriptomic changes induced in Arabidopsis by the rhizobacterium Pseudomonas fluorescens SS101. *Plant Physiology*, **2012**, 160, 2173-88	6.6	186
125	ECOLOGY. Soil immune responses. *Science*, **2016**, 352, 1392-3	33.3	181
124	Fungal invasion of the rhizosphere microbiome. *ISME Journal*, **2016**, 10, 265-8	11.9	170
123	Ecology and Evolution of Plant Microbiomes. *Annual Review of Microbiology*, **2019**, 73, 69-88	17.5	162
122	Linking rhizosphere microbiome composition of wild and domesticated Phaseolus vulgaris to genotypic and root phenotypic traits. *ISME Journal*, **2017**, 11, 2244-2257	11.9	161
121	Utilization of heterologous siderophores and rhizosphere competence of fluorescent Pseudomonas spp.. *Canadian Journal of Microbiology*, **1995**, 41, 126-135	3.2	160
120	Diversity of cultivated endophytic bacteria from sugarcane: genetic and biochemical characterization of Burkholderia cepacia complex isolates. *Applied and Environmental Microbiology*, **2007**, 73, 7259-67	4.8	159
119	Phenazine antibiotics produced by fluorescent pseudomonads contribute to natural soil suppressiveness to Fusarium wilt. *ISME Journal*, **2009**, 3, 977-91	11.9	158
118	Effect of 2,4-diacetylphloroglucinol on pythium: cellular responses and variation in sensitivity among propagules and species. *Phytopathology*, **2003**, 93, 966-75	3.8	150

117	Influence of resistance breeding in common bean on rhizosphere microbiome composition and function. *ISME Journal*, **2018**, 12, 212-224	11.9	147
116	Transcriptional and antagonistic responses of Pseudomonas fluorescens Pf0-1 to phylogenetically different bacterial competitors. *ISME Journal*, **2011**, 5, 973-85	11.9	135
115	Differential ability of genotypes of 2,4-diacetylphloroglucinol-producing Pseudomonas fluorescens strains to colonize the roots of pea plants. *Applied and Environmental Microbiology*, **2002**, 68, 3226-37	4.8	135
114	Promotion of plant growth by Pseudomonas fluorescens strain SS101 via novel volatile organic compounds. *Biochemical and Biophysical Research Communications*, **2015**, 461, 361-5	3.4	133
113	Frequency, Diversity, and Activity of 2,4-Diacetylphloroglucinol-Producing Fluorescent Pseudomonas spp. in Dutch Take-all Decline Soils. *Phytopathology*, **2003**, 93, 54-63	3.8	133
112	Wheat cultivar-specific selection of 2,4-diacetylphloroglucinol-producing fluorescent Pseudomonas species from resident soil populations. *Microbial Ecology*, **2004**, 48, 338-48	4.4	122
111	Genotypic and phenotypic diversity of phlD-containing Pseudomonas strains isolated from the rhizosphere of wheat. *Applied and Environmental Microbiology*, **2000**, 66, 1939-46	4.8	122
110	Massetolide A biosynthesis in Pseudomonas fluorescens. *Journal of Bacteriology*, **2008**, 190, 2777-89	3.5	119
109	Diversity and functions of volatile organic compounds produced by Streptomyces from a disease-suppressive soil. *Frontiers in Microbiology*, **2015**, 6, 1081	5.7	113
108	Current Insights into the Role of Rhizosphere Bacteria in Disease Suppressive Soils. *Frontiers in Microbiology*, **2017**, 8, 2529	5.7	110
107	Influence of plant species on population dynamics, genotypic diversity and antibiotic production in the rhizosphere by indigenous Pseudomonas spp. *FEMS Microbiology Ecology*, **2005**, 52, 59-69	4.3	110
106	Polymorphisms within the prnD and pltC genes from pyrrolnitrin and pyoluteorin-producing Pseudomonas and Burkholderia spp. *FEMS Microbiology Ecology*, **2003**, 43, 21-34	4.3	105
105	The wild side of plant microbiomes. *Microbiome*, **2018**, 6, 143	16.6	102
104	Fungal ABC transporters and microbial interactions in natural environments. *Molecular Plant-Microbe Interactions*, **2002**, 15, 1165-72	3.6	101
103	Saving seed microbiomes. *ISME Journal*, **2018**, 12, 1167-1170	11.9	98
102	Impact of soil heat on reassembly of bacterial communities in the rhizosphere microbiome and plant disease suppression. *Ecology Letters*, **2016**, 19, 375-82	10	94
101	Lost in diversity: the interactions between soil-borne fungi, biodiversity and plant productivity. *New Phytologist*, **2018**, 218, 542-553	9.8	90
100	Functional, genetic and chemical characterization of biosurfactants produced by plant growth-promoting Pseudomonas putida 267. *Journal of Applied Microbiology*, **2009**, 107, 546-56	4.7	87

99	Indexing the Pseudomonas specialized metabolome enabled the discovery of poaeamide B and the bananamides. *Nature Microbiology*, **2016**, 2, 16197	26.6	83
98	Insect pathogenicity in plant-beneficial pseudomonads: phylogenetic distribution and comparative genomics. *ISME Journal*, **2016**, 10, 2527-42	11.9	82
97	Defense responses of Fusarium oxysporum to 2,4-diacetylphloroglucinol, a broad-spectrum antibiotic produced by Pseudomonas fluorescens. *Molecular Plant-Microbe Interactions*, **2004**, 17, 1201-11	3.6	82
96	Impact of interspecific interactions on antimicrobial activity among soil bacteria. *Frontiers in Microbiology*, **2014**, 5, 567	5.7	77
95	Involvement of Burkholderiaceae and sulfurous volatiles in disease-suppressive soils. *ISME Journal*, **2018**, 12, 2307-2321	11.9	76
94	Characterization of CMR5c and CMR12a, novel fluorescent Pseudomonas strains from the cocoyam rhizosphere with biocontrol activity. *Journal of Applied Microbiology*, **2007**, 103, 1007-20	4.7	75
93	Protozoan-induced regulation of cyclic lipopeptide biosynthesis is an effective predation defense mechanism for Pseudomonas fluorescens. *Applied and Environmental Microbiology*, **2009**, 75, 6804-11	4.8	73
92	Exploring fish microbial communities to mitigate emerging diseases in aquaculture. *FEMS Microbiology Ecology*, **2018**, 94,	4.3	72
91	Deciphering rhizosphere microbiome assembly of wild and modern common bean (Phaseolus vulgaris) in native and agricultural soils from Colombia. *Microbiome*, **2019**, 7, 114	16.6	72
90	Comparative genomics and metabolic profiling of the genus Lysobacter. *BMC Genomics*, **2015**, 16, 991	4.5	72
89	Comparative Microbiome Analysis of a Fusarium Wilt Suppressive Soil and a Fusarium Wilt Conducive Soil From the Châteaurenard Region. *Frontiers in Microbiology*, **2018**, 9, 568	5.7	69
88	The Novel Lipopeptide Poaeamide of the Endophyte Pseudomonas poae RE*1-1-14 Is Involved in Pathogen Suppression and Root Colonization. *Molecular Plant-Microbe Interactions*, **2015**, 28, 800-10	3.6	67
87	Cross-kingdom similarities in microbiome functions. *ISME Journal*, **2015**, 9, 1905-7	11.9	66
86	Conservation of the response regulator gene gacA in Pseudomonas species. *Environmental Microbiology*, **2003**, 5, 1328-40	5.2	59
85	Effect of Organic Management of Soils on Suppressiveness to Gaeumannomyces graminis var. tritici and its Antagonist, Pseudomonas fluorescens. *European Journal of Plant Pathology*, **2005**, 113, 417-435	2.1	58
84	Diversity and Activity of Lysobacter Species from Disease Suppressive Soils. *Frontiers in Microbiology*, **2015**, 6, 1243	5.7	55
83	Modulation of plant chemistry by beneficial root microbiota. *Natural Product Reports*, **2018**, 35, 398-409	15.1	53
82	Genome mining and metabolic profiling of the rhizosphere bacterium Pseudomonas sp. SH-C52 for antimicrobial compounds. *Frontiers in Microbiology*, **2015**, 6, 693	5.7	51

81	Diversity and functional analysis of LuxR-type transcriptional regulators of cyclic lipopeptide biosynthesis in Pseudomonas fluorescens. *Applied and Environmental Microbiology*, **2009**, 75, 4753-61	4.8	51
80	Friend or foe: genetic and functional characterization of plant endophytic Pseudomonas aeruginosa. *Environmental Microbiology*, **2013**, 15, 764-79	5.2	49
79	Regulation of cyclic lipopeptide biosynthesis in Pseudomonas fluorescens by the ClpP protease. *Journal of Bacteriology*, **2009**, 191, 1910-23	3.5	48
78	Involvement of the ABC transporter BcAtrB and the laccase BcLCC2 in defence of Botrytis cinerea against the broad-spectrum antibiotic 2,4-diacetylphloroglucinol. *Environmental Microbiology*, **2008**, 10, 1145-57	5.2	48
77	Breeding for soil-borne pathogen resistance impacts active rhizosphere microbiome of common bean. *ISME Journal*, **2018**, 12, 3038-3042	11.9	44
76	Deciphering microbial landscapes of fish eggs to mitigate emerging diseases. *ISME Journal*, **2014**, 8, 2002-14	11.9	44
75	Plant Phenotypic and Transcriptional Changes Induced by Volatiles from the Fungal Root Pathogen. *Frontiers in Plant Science*, **2017**, 8, 1262	6.2	44
74	Assessment of genotypic diversity of antibiotic-producing pseudomonas species in the rhizosphere by denaturing gradient gel electrophoresis. *Applied and Environmental Microbiology*, **2005**, 71, 993-1003	4.8	44
73	Identification of traits shared by rhizosphere-competent strains of fluorescent pseudomonads. *Microbial Ecology*, **2012**, 64, 725-37	4.4	42
72	Road MAPs to engineer host microbiomes. *Current Opinion in Microbiology*, **2018**, 43, 46-54	7.9	42
71	Biosynthetic origin of the antibiotic cyclocarbamate brabantamide A (SB-253514) in plant-associated Pseudomonas. *ChemBioChem*, **2014**, 15, 259-66	3.8	39
70	Biosynthetic genes and activity spectrum of antifungal polyynes from Collimonas fungivorans Ter331. *Environmental Microbiology*, **2014**, 16, 1334-45	5.2	38
69	Model membrane studies for characterization of different antibiotic activities of lipopeptides from Pseudomonas. *Biochimica Et Biophysica Acta - Biomembranes*, **2012**, 1818, 566-73	3.8	37
68	The Gac regulon of Pseudomonas fluorescens SBW25. *Environmental Microbiology Reports*, **2013**, 5, 608-19	3.7	36
67	Diversity and activity of biosurfactant-producing Pseudomonas in the rhizosphere of black pepper in Vietnam. *Journal of Applied Microbiology*, **2008**, 104, 839-51	4.7	36
66	Lipopeptide biosurfactant viscosin enhances dispersal of Pseudomonas fluorescens SBW25 biofilms. *Microbiology (United Kingdom)*, **2015**, 161, 2289-97	2.9	36
65	Investigations into the Biosynthesis, Regulation, and Self-Resistance of Toxoflavin in Pseudomonas protegens Pf-5. *ChemBioChem*, **2015**, 16, 1782-90	3.8	35
64	Molecular and chemical dialogues in bacteria-protozoa interactions. *Scientific Reports*, **2015**, 5, 12837	4.9	34

63	Cyclic Lipopeptide Surfactant Production by Pseudomonas fluorescens SS101 Is Not Required for Suppression of Complex Pythium spp. Populations. *Phytopathology*, **2007**, 97, 1348-55	3.8	34
62	Healthy scents: microbial volatiles as new frontier in antibiotic research?. *Current Opinion in Microbiology*, **2018**, 45, 84-91	7.9	33
61	Genome-wide analysis of bacterial determinants of plant growth promotion and induced systemic resistance by Pseudomonas fluorescens. *Environmental Microbiology*, **2017**, 19, 4638-4656	5.2	32
60	Polymorphisms within the and genes from pyrrolnitrin and pyoluteorin-producing and spp.. *FEMS Microbiology Ecology*, **2003**, 43, 21-34	4.3	31
59	Priming of Plant Growth Promotion by Volatiles of Root-Associated Microbacterium spp. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	31
58	Inter- and intracellular colonization of Arabidopsis roots by endophytic actinobacteria and the impact of plant hormones on their antimicrobial activity. *Antonie Van Leeuwenhoek*, **2018**, 111, 679-690	2.1	30
57	Volatiles of pathogenic and non-pathogenic soil-borne fungi affect plant development and resistance to insects. *Oecologia*, **2019**, 190, 589-604	2.9	29
56	Embracing Community Ecology in Plant Microbiome Research. *Trends in Plant Science*, **2018**, 23, 467-469	13.1	29
55	Unravelling the microbiome of eggs of the endangered sea turtle Eretmochelys imbricata identifies bacteria with activity against the emerging pathogen Fusarium falciforme. *PLoS ONE*, **2014**, 9, e95206	3.7	28
54	Effect of mixed and single crops on disease suppressiveness of soils. *Phytopathology*, **2005**, 95, 1325-32	3.8	28
53	Role of the GacS Sensor Kinase in the Regulation of Volatile Production by Plant Growth-Promoting SBW25. *Frontiers in Plant Science*, **2016**, 7, 1706	6.2	28
52	Multitrophic interactions in the rhizosphere microbiome of wheat: from bacteria and fungi to protists. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	27
51	Siderophore receptor PupA as a marker to monitor wild-type Pseudomonas putida WCS358 in natural environments. *Applied and Environmental Microbiology*, **1994**, 60, 1184-90	4.8	27
50	Cellular responses of the late blight pathogen Phytophthora infestans to cyclic lipopeptide surfactants and their dependence on G proteins. *Applied and Environmental Microbiology*, **2009**, 75, 4950-7	4.8	26
49	Challenges and opportunities in harnessing soil disease suppressiveness for sustainable pasture production. *Soil Biology and Biochemistry*, **2016**, 95, 100-111	7.5	24
48	Linking ecology and plant pathology to unravel the importance of soil-borne fungal pathogens in species-rich grasslands. *European Journal of Plant Pathology*, **2019**, 154, 141-156	2.1	24
47	Secondary Metabolism and Interspecific Competition Affect Accumulation of Spontaneous Mutants in the GacS-GacA Regulatory System in. *MBio*, **2018**, 9,	7.8	23
46	Involvement of phenazines and lipopeptides in interactions between Pseudomonas species and Sclerotium rolfsii, causal agent of stem rot disease on groundnut. *Journal of Applied Microbiology*, **2012**, 112, 390-403	4.7	22

45	Diversity of Aquatic Pseudomonas Species and Their Activity against the Fish Pathogenic Oomycete Saprolegnia. *PLoS ONE*, **2015**, 10, e0136241	3.7	21
44	Production of ammonia as a low-cost and long-distance antibiotic strategy by Streptomyces species. *ISME Journal*, **2020**, 14, 569-583	11.9	21
43	Membrane Interactions of Natural Cyclic Lipodepsipeptides of the Viscosin Group. *Biochimica Et Biophysica Acta - Biomembranes*, **2017**, 1859, 331-339	3.8	20
42	Genetic and Phenotypic Diversity of Sclerotium rolfsii in Groundnut Fields in Central Vietnam. *Plant Disease*, **2012**, 96, 389-397	1.5	20
41	Plant functional group drives the community structure of saprophytic fungi in a grassland biodiversity experiment. *Plant and Soil*, **2021**, 461, 91-105	4.2	19
40	Mangotoxin production of Pseudomonas syringae pv. syringae is regulated by MgoA. *BMC Microbiology*, **2014**, 14, 46	4.5	17
39	Impacts of long-term plant residue management on soil organic matter quality, Pseudomonas community structure and disease suppressiveness. *Soil Biology and Biochemistry*, **2019**, 135, 396-406	7.5	16
38	Wave-like distribution patterns of gfp-marked Pseudomonas fluorescens along roots of wheat plants grown in two soils. *Microbial Ecology*, **2008**, 55, 466-75	4.4	16
37	Living on the edge: emergence of spontaneous gac mutations in Pseudomonas protegens during swarming motility. *Environmental Microbiology*, **2016**, 18, 3453-3465	5.2	16
36	Antagonism between two root-associated beneficial Pseudomonas strains does not affect plant growth promotion and induced resistance against a leaf-chewing herbivore. *FEMS Microbiology Ecology*, **2017**, 93,	4.3	15
35	Resistance Breeding of Common Bean Shapes the Physiology of the Rhizosphere Microbiome. *Frontiers in Microbiology*, **2019**, 10, 2252	5.7	15
34	The Rsm regulon of plant growth-promoting Pseudomonas fluorescens SS101: role of small RNAs in regulation of lipopeptide biosynthesis. *Microbial Biotechnology*, **2015**, 8, 296-310	6.3	15
33	Discovery of new regulatory genes of lipopeptide biosynthesis in Pseudomonas fluorescens. *FEMS Microbiology Letters*, **2014**, 356, 166-75	2.9	13
32	Lipopeptide biosynthesis in Pseudomonas fluorescens is regulated by the protease complex ClpAP. *BMC Microbiology*, **2015**, 15, 29	4.5	12
31	Isolation, characterization and comparative analysis of plant-associated bacteria for suppression of soil-borne diseases of field-grown groundnut in Vietnam. *Biological Control*, **2018**, 121, 256-262	3.8	12
30	Harnessing the microbiome to control plant parasitic weeds. *Current Opinion in Microbiology*, **2019**, 49, 26-33	7.9	12
29	Dispersal of wild-type and genetically-modified Pseudomonas spp from treated seeds or soil to aerial parts of radish plants. *Soil Biology and Biochemistry*, **1995**, 27, 1473-1478	7.5	12
28	Successive plant growth amplifies genotype-specific assembly of the tomato rhizosphere microbiome. *Science of the Total Environment*, **2021**, 772, 144825	10.2	12

27	Impact of Pseudomonas H6 surfactant on all external life cycle stages of the fish parasitic ciliate Ichthyophthirius multifiliis. *Journal of Fish Diseases*, **2018**, 41, 1147-1152	2.6	12
26	Designing a home for beneficial plant microbiomes. *Current Opinion in Plant Biology*, **2021**, 62, 102025	9.9	12
25	Potential for Biocontrol of Hairy Root Disease by a Clade. *Frontiers in Microbiology*, **2017**, 8, 447	5.7	11
24	Dissecting Disease-Suppressive Rhizosphere Microbiomes by Functional Amplicon Sequencing and 10Metagenomics. *MSystems*, **2021**, 6, e0111620	7.6	11
23	The Chemistry of Stress: Understanding the Cry for HelpTof Plant Roots. *Metabolites*, **2021**, 11,	5.6	11
22	The Minimal Rhizosphere Microbiome **2015**, 411-417		10
21	Microbial and volatile profiling of soils suppressive to of wheat. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20192527	4.4	10
20	Volatiles from soil-borne fungi affect directional growth of roots. *Plant, Cell and Environment*, **2021**, 44, 339-345	8.4	9
19	Perspectives for Rhizosphere Research **2013**, 1227-1232		8
18	Gac-mediated changes in pyrroloquinoline quinone biosynthesis enhance the antimicrobial activity of Pseudomonas fluorescens SBW25. *Environmental Microbiology Reports*, **2015**, 7, 139-47	3.7	7
17	Extension of Plant Phenotypes by the Foliar Microbiome. *Annual Review of Plant Biology*, **2021**, 72, 823-846	3.7	7
16	DiSCount: computer vision for automated quantification of seed germination. *Plant Methods*, **2020**, 16, 60	5.8	6
15	Extracting the GEMs: Genotype, Environment and Microbiome interactions shaping host phenotypes		6
14	Impact of root-associated strains of three Paraburkholderia species on primary and secondary metabolism of Brassica oleracea. *Scientific Reports*, **2021**, 11, 2781	4.9	6
13	Towards meaningful scales in ecosystem microbiome research. *Environmental Microbiology*, **2021**, 23, 1-4	5.2	5
12	Discovery of Thanafactin A, a Linear, Proline-Containing Octalipopeptide from sp. SH-C52, Motivated by Genome Mining. *Journal of Natural Products*, **2021**, 84, 101-109	4.9	4
11	Elucidating the Diversity of Aquatic Microdochium and Trichoderma Species and Their Activity against the Fish Pathogen Saprolegnia diclina. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	4
10	Extracting the GEMs: Genotype, Environment, and Microbiome Interactions Shaping Host Phenotypes. *Frontiers in Microbiology*, **2020**, 11, 574053	5.7	4

9	Draft Genome Sequence of Lipopeptide-Producing Strain Pseudomonas fluorescens DSM 11579 and Comparative Genomics with sp. Strain SH-C52, a Closely Related Lipopeptide-Producing Strain. *Microbiology Resource Announcements*, **2020**, 9,	1.3	3
8	Fungal volatiles influence plant defence against above-ground and below-ground herbivory. *Functional Ecology*, **2020**, 34, 2259-2269	5.6	3
7	Restoring degraded microbiome function with self-assembled communities. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	2
6	No evidence of modulation of indirect plant resistance of Brassica rapa plants by volatiles from soil-borne fungi. *Ecological Entomology*, **2020**, 45, 1200-1211	2.1	2
5	Optimizing Biocontrol Activity of Paenibacillus xylanexedens for Management of Hairy Root Disease in Tomato Grown in Hydroponic Greenhouses. *Agronomy*, **2021**, 11, 817	3.6	1
4	Volatiles from the fungus Fusarium oxysporum affect interactions of Brassica rapa plants with root herbivores. *Ecological Entomology*, **2021**, 46, 240-248	2.1	1
3	Disentangling soil microbiome functions by perturbation. *Environmental Microbiology Reports*, **2021** , 13, 582-590	3.7	1
2	Influence of Environmental Factors on the Disease Cycle of White Rust, Caused by Albugo Candida. *Developments in Plant Pathology*, **2004**, 107-118		1
1	Host Specialisation of the Oomycete Albugo Candida. *Developments in Plant Pathology*, **2004**, 119-139		