

Maria R Finckh

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

1,956
citations

21
h-index

42
g-index

101
ext. papers

2,483
ext. citations

3.4
avg, IF

5.12
L-index

#	Paper	IF	Citations
84	Environmental and health effects of the herbicide glyphosate. <i>Science of the Total Environment</i> , 2018 , 616-617, 255-268	10.2	352
83	Cereal variety and species mixtures in practice, with emphasis on disease resistance. <i>Agronomy for Sustainable Development</i> , 2000 , 20, 813-837		202
82	Effects of straw mulch on soil nitrate dynamics, weeds, yield and soil erosion in organically grown potatoes. <i>Field Crops Research</i> , 2005 , 94, 238-249	5.5	128
81	Plant disease management in organic farming systems. <i>Pest Management Science</i> , 2016 , 72, 30-44	4.6	78
80	Plant Diseases and Management Approaches in Organic Farming Systems. <i>Annual Review of Phytopathology</i> , 2016 , 54, 25-54	10.8	75
79	One Health - Cycling of diverse microbial communities as a connecting force for soil, plant, animal, human and ecosystem health. <i>Science of the Total Environment</i> , 2019 , 664, 927-937	10.2	73
78	Stripe Rust, Yield, and Plant Competition in Wheat Cultivar Mixtures. <i>Phytopathology</i> , 1992 , 82, 905	3.8	67
77	Challenges to Organic Potato Farming: Disease and Nutrient Management. <i>Potato Research</i> , 2006 , 49, 27-42	3.2	63
76	Plant competition and disease in genetically diverse wheat populations. <i>Oecologia</i> , 1992 , 91, 82-92	2.9	58
75	Time for a shift in crop production: embracing complexity through diversity at all levels. <i>Journal of the Science of Food and Agriculture</i> , 2009 , 89, 1439-1445	4.3	57
74	Integration of breeding and technology into diversification strategies for disease control in modern agriculture. <i>European Journal of Plant Pathology</i> , 2008 , 121, 399-409	2.1	51
73	Resilience as a universal criterion of health. <i>Journal of the Science of Food and Agriculture</i> , 2015 , 95, 455-459	4.5	48
72	Effects of strip intercropping of potatoes with non-hosts on late blight severity and tuber yield in organic production. <i>Plant Pathology</i> , 2008 , 57, 916-927	2.8	43
71	Concepts of plant health [r]eviewing and challenging the foundations of plant protection. <i>Plant Pathology</i> , 2012 , 61, 1-15	2.8	40
70	Host frequency and density effects on powdery mildew and yield in mixtures of barley cultivars. <i>Plant Pathology</i> , 1999 , 48, 807-816	2.8	35
69	The 'forma specialis' issue in Fusarium: A case study in <i>Fusarium solani</i> f. sp. <i>lisi</i> . <i>Scientific Reports</i> , 2018 , 8, 1252	4.9	32
68	Effects of host and pathogen genotypes on inducibility of resistance in tomato (<i>Solanum lycopersicum</i>) to <i>Phytophthora infestans</i> . <i>Plant Pathology</i> , 2010 , 59, 1062-1071	2.8	31

67	Diversification strategies 2006 , 269-307		31
66	Epidemiological effect of gene deployment strategies on bacterial blight of rice. <i>Phytopathology</i> , 1997 , 87, 66-70	3.8	24
65	What is the SMARTest way to breed plants and increase agrobiodiversity?. <i>Euphytica</i> , 2013 , 194, 53-66	2.1	21
64	Pathogenic Variability of <i>Pyricularia grisea</i> from the High- and Mid-Elevation Zones of Bhutan. <i>Phytopathology</i> , 2000 , 90, 621-8	3.8	21
63	Endophytic <i>Fusarium equiseti</i> stimulates plant growth and reduces root rot disease of pea (<i>Pisum sativum</i> L.) caused by <i>Fusarium avenaceum</i> and <i>Peyronellaea pinodella</i> . <i>European Journal of Plant Pathology</i> , 2017 , 148, 271-282	2.1	20
62	Effects of fertilizers and plant strengtheners on the susceptibility of tomatoes to single and mixed isolates of <i>Phytophthora infestans</i> . <i>European Journal of Plant Pathology</i> , 2012 , 133, 739-751	2.1	20
61	The Use of Biodiversity to Restrict Plant Diseases and Some Consequences for Farmers and Society 1997 , 203-237		19
60	Effects and possible causes of an unprecedented rice blast epidemic on the traditional farming system of Bhutan. <i>Agriculture, Ecosystems and Environment</i> , 2000 , 78, 237-248	5.7	18
59	Plant productivity in cassava-based mixed cropping systems in Colombian hillside farms. <i>Agriculture, Ecosystems and Environment</i> , 2005 , 105, 595-614	5.7	17
58	Effects of enhanced UV-B radiation on the growth of rice and its susceptibility to rice blast under glasshouse conditions. <i>Agriculture, Ecosystems and Environment</i> , 1995 , 52, 223-233	5.7	17
57	Roots of symptom-free leguminous cover crop and living mulch species harbor diverse <i>Fusarium</i> communities that show highly variable aggressiveness on pea (<i>Pisum sativum</i>). <i>PLoS ONE</i> , 2018 , 13, e0191969	3.7	16
56	Temporal Dynamics of Plant Competition in Genetically Diverse Wheat Populations in the Presence and Absence of Stripe Rust. <i>Journal of Applied Ecology</i> , 1996 , 33, 1041	5.8	15
55	Primary disease gradients of bacterial blight of rice. <i>Phytopathology</i> , 1999 , 89, 64-7	3.8	15
54	Advocating a need for suitable breeding approaches to boost integrated pest management: a European perspective. <i>Pest Management Science</i> , 2018 , 74, 1219-1227	4.6	15
53	Species composition and diversity of arbuscular mycorrhizal fungi in White Nile state, Central Sudan. <i>Archives of Agronomy and Soil Science</i> , 2014 , 60, 377-391	2	13
52	Two new species of the <i>Fusarium solani</i> species complex isolated from compost and hibiscus (<i>Hibiscus</i> sp.). <i>Antonie Van Leeuwenhoek</i> , 2018 , 111, 1785-1805	2.1	12
51	Evolutionary changes of weed competitive traits in winter wheat composite cross populations in organic and conventional farming systems. <i>European Journal of Agronomy</i> , 2016 , 79, 23-30	5	12
50	Effects of cropping history and origin of seed potatoes on population structure of <i>Phytophthora infestans</i> . <i>European Journal of Plant Pathology</i> , 2007 , 117, 313-327	2.1	12

49	Short-term changes in soil biochemical properties as affected by subsidiary crop cultivation in four European pedo-climatic zones. <i>Soil and Tillage Research</i> , 2018 , 180, 126-136	6.5	11
48	Pest and Disease Management in Organic Farming: Implications and Inspirations for Plant Breeding 2011 , 39-59		11
47	Evaluation of the causes of legume yield depression syndrome using an improved diagnostic tool. <i>Applied Soil Ecology</i> , 2014 , 79, 26-36	5	10
46	Effect of tillage, subsidiary crops and fertilisation on plant-parasitic nematodes in a range of agro-environmental conditions within Europe. <i>Annals of Applied Biology</i> , 2017 , 171, 477-489	2.6	8
45	Wheat performance with subclover living mulch in different agro-environmental conditions depends on crop management. <i>European Journal of Agronomy</i> , 2018 , 94, 36-45	5	8
44	Interactive Effects of Subsidiary Crops and Weed Pressure in the Transition Period to Non-Inversion Tillage, A Case Study of Six Sites Across Northern and Central Europe. <i>Agronomy</i> , 2019 , 9, 495	3.6	8
43	The Canon of Potato Science: 32. Variety Mixtures and Diversification Strategies. <i>Potato Research</i> , 2007 , 50, 335-339	3.2	8
42	Effects of stripe rust on the evolution of genetically diverse wheat populations. <i>Theoretical and Applied Genetics</i> , 1993 , 85, 809-21	6	8
41	Evolutionary Effects on Morphology and Agronomic Performance of Three Winter Wheat Composite Cross Populations Maintained for Six Years under Organic and Conventional Conditions. <i>Organic Farming</i> , 2017 , 3,	1.5	8
40	Integration of breeding and technology into diversification strategies for disease control in modern agriculture 2008 , 399-409		8
39	Effects of ten years organic and conventional farming on early seedling traits of evolving winter wheat composite cross populations. <i>Scientific Reports</i> , 2019 , 9, 9053	4.9	7
38	Identification and characterization of pathogens associated with root rot of winter peas grown under organic management in Germany. <i>European Journal of Plant Pathology</i> , 2018 , 151, 745-755	2.1	7
37	Monocillium gamsii sp. nov. and Monocillium bulbillosum: two nematode-associated fungi parasitising the eggs of Heterodera filipjevi. <i>MycKeys</i> , 27 , 21-38	2.4	7
36	Efficacy of copper alternatives applied as stop-sprays against Plasmopara viticola in grapevine. <i>Journal of Plant Diseases and Protection</i> , 2016 , 123, 171-176	1.5	6
35	Mating disruption of pea moth (Cydia nigricana) in organic peas (Pisum sativum). <i>Entomologia Experimentalis Et Applicata</i> , 2014 , 150, 199-207	2.1	6
34	Susceptibility of wild carrot (Daucus carota ssp. carota) to Sclerotinia sclerotiorum. <i>European Journal of Plant Pathology</i> , 2008 , 122, 359-367	2.1	6
33	A High-Throughput Phenotyping Tool to Identify Field-Relevant Anthracnose Resistance in White Lupin. <i>Plant Disease</i> , 2021 , 105, 1719-1727	1.5	6
32	Exploring the differences between organic and conventional breeding in early vigour traits of winter wheat. <i>European Journal of Agronomy</i> , 2019 , 105, 86-95	5	6

31	Cover crops and compost prevent weed seed bank buildup in herbicide-free wheat-potato rotations under conservation tillage. <i>Ecology and Evolution</i> , 2019 , 9, 2715-2724	2.8	6
30	Effective population size (N) of organically and conventionally grown composite cross winter wheat populations depending on generation. <i>European Journal of Agronomy</i> , 2019 , 109, 125922	5	5
29	Oilseed radish/black oat subsidiary crops can help regulate plant-parasitic nematodes under non-inversion tillage in an organic wheat-potato rotation. <i>Nematology</i> , 2017 , 19, 1135-1146	0.9	5
28	Phylogenetic and Pathotypic Analysis of Rice Bacterial Blight Race 3. <i>European Journal of Plant Pathology</i> , 1999 , 105, 743-751	2.1	5
27	Reproduction and life history traits of a resistance breaking <i>Globodera pallida</i> population. <i>Journal of Nematology</i> , 51, 1-13	1.1	5
26	Bacterivorous Nematodes Correlate with Soil Fertility and Improved Crop Production in an Organic Minimum Tillage System. <i>Sustainability</i> , 2020 , 12, 6730	3.6	5
25	Seed health of organic peas and faba beans and its effects on the health of the harvested grains. <i>Journal of Plant Diseases and Protection</i> , 2017 , 124, 331-337	1.5	4
24	Heterogeneous Winter Wheat Populations Differ in Yield Stability Depending on their Genetic Background and Management System. <i>Sustainability</i> , 2019 , 11, 6172	3.6	4
23	Diversität, Pflanzenernährung und Prognose: Ein integriertes Konzept zum Management der Kraut- und Knollenfäule in der ökologischen Landwirtschaft. <i>Gesunde Pflanzen</i> , 2008 , 60, 159-170	1.9	3
22	CHAPTER 4.4: Biodiversity Enhancement 153-174		3
21	Reproduction of <i>Globodera pallida</i> on tissue culture-derived potato plants and their potential use in resistance screening process. <i>Nematology</i> , 2019 , 21, 613-623	0.9	3
20	Combining Genetic Gain and Diversity in Plant Breeding: Heritability of Root Selection in Wheat Populations. <i>Sustainability</i> , 2021 , 13, 12778	3.6	2
19	Effect of 26-years of soil tillage systems and winter cover crops on C and N stocks in a Southern Brazilian Oxisol. <i>Revista Brasileira De Ciencia Do Solo</i> , 2020 , 44,	1.5	2
18	Supply Chain Perspectives on Breeding for Legume-Cereal Intercrops.. <i>Frontiers in Plant Science</i> , 2022 , 13, 844635	6.2	2
17	Harnessing the Potential of Wheat-Pea Species Mixtures: Evaluation of Multifunctional Performance and Wheat Diversity.. <i>Frontiers in Plant Science</i> , 2022 , 13, 846237	6.2	2
16	Developing Organic Minimum Tillage Farming Systems for Central and Northern European Conditions 2020 , 173-192		1
15	Potential use of fresh mulch to curb potato late blight epidemics in Brazil. <i>Summa Phytopathologica</i> , 2020 , 46, 191-197	0.4	1
14	First Report of <i>Didymella lethalis</i> Associated with Roots of Pea, Subterranean Clover, and Winter Vetch in Germany, Switzerland, and Italy. <i>Plant Disease</i> , 2018 , 102, 2642	1.5	1

13	Population dynamics and host range of <i>Paratylenchus bukowinensis</i> . <i>Nematology</i> , 2020 , 22, 257-267	0.9	1
12	Pathogenic variability of a Uruguayan population of <i>Bipolaris sorokiniana</i> in barley suggests a mix of quantitative and qualitative interactions. <i>Journal of Plant Diseases and Protection</i> , 2020 , 127, 25-33	1.5	1
11	Biology, pathotype, and virulence of populations from Kenya. <i>Journal of Nematology</i> , 2021 , 53,	1.1	1
10	Mixture [Genotype Effects in Cereal/Legume Intercropping.. <i>Frontiers in Plant Science</i> , 2022 , 13, 846720	6.2	1
9	Genome-wide association study reveals white lupin candidate gene involved in anthracnose resistance.. <i>Theoretical and Applied Genetics</i> , 2022 , 1	6	0
8	Root Pathogens Occurring on Pea (<i>Pisum sativum</i>) and Faba Bean (<i>Vicia faba</i>) in Germany. <i>IFMBE Proceedings</i> , 2020 , 69-75	0.2	0
7	First Report of <i>Fusarium flocciferum</i> Causing Root Rot of Pea (<i>Pisum sativum</i>) and Faba Bean (<i>Vicia faba</i>) in Germany. <i>Plant Disease</i> , 2020 , 104, 283-283	1.5	0
6	Continuous variation and specific interactions in the <i>Pyrenophora teres</i> f. <i>teres</i> Barley pathosystem in Uruguay. <i>Journal of Plant Diseases and Protection</i> , 2021 , 128, 421-429	1.5	0
5	Appropriate sampling methods and statistics can tell apart fraud from pesticide drift in organic farming. <i>Scientific Reports</i> , 2021 , 11, 14776	4.9	0
4	The potential of alternative seed treatments to control anthracnose disease in white lupin. <i>Crop Protection</i> , 2022 , 158, 106009	2.7	0
3	Adoption of Food Species Mixtures from Farmers' Perspectives in Germany: Managing Complexity and Harnessing Advantages. <i>Agriculture (Switzerland)</i> , 2022 , 12, 697	3	0
2	Population dynamics of <i>Hemicycliophora conida</i> as affected by different temperatures and absence of hosts. <i>Nematology</i> , 2020 , 22, 975-983	0.9	
1	Effects of powder and aqueous extracts of <i>Euphorbia hirta</i> on <i>Phelipanche ramosa</i> germination and haustorium initiation. <i>Archives of Phytopathology and Plant Protection</i> , 2018 , 51, 979-992	1	