

# Daniel K Manter

## List of Publications by Year in descending order

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69  
papers

6,976  
citations

101543

36  
h-index

91884

69  
g-index

73  
all docs

73  
docs citations

73  
times ranked

8890  
citing authors

#	ARTICLE	IF	CITATIONS
1	Manipulating the soil microbiome to increase soil health and plant fertility. <i>Biology and Fertility of Soils</i> , 2012, 48, 489-499.	4.3	859
2	Root Exudates Regulate Soil Fungal Community Composition and Diversity. <i>Applied and Environmental Microbiology</i> , 2008, 74, 738-744.	3.1	659
3	Stool Microbiome and Metabolome Differences between Colorectal Cancer Patients and Healthy Adults. <i>PLoS ONE</i> , 2013, 8, e70803.	2.5	547
4	Root Exudation of Phytochemicals in Arabidopsis Follows Specific Patterns That Are Developmentally Programmed and Correlate with Soil Microbial Functions. <i>PLoS ONE</i> , 2013, 8, e55731.	2.5	484
5	Harnessing the rhizosphere microbiome through plant breeding and agricultural management. <i>Plant and Soil</i> , 2012, 360, 1-13.	3.7	347
6	An ABC Transporter Mutation Alters Root Exudation of Phytochemicals That Provoke an Overhaul of Natural Soil Microbiota. <i>Plant Physiology</i> , 2009, 151, 2006-2017.	4.8	263
7	Nitrogen fertilizer rate affects root exudation, the rhizosphere microbiome and nitrogen-use-efficiency of maize. <i>Applied Soil Ecology</i> , 2016, 107, 324-333.	4.3	257
8	Pyrosequencing Reveals a Highly Diverse and Cultivar-Specific Bacterial Endophyte Community in Potato Roots. <i>Microbial Ecology</i> , 2010, 60, 157-166.	2.8	256
9	Understanding and Enhancing Soil Biological Health: The Solution for Reversing Soil Degradation. <i>Sustainability</i> , 2015, 7, 988-1027.	3.2	254
10	Potential impact of soil microbiomes on the leaf metabolome and on herbivore feeding behavior. <i>New Phytologist</i> , 2013, 198, 264-273.	7.3	245
11	Use of the ITS primers, ITS1F and ITS4, to characterize fungal abundance and diversity in mixed-template samples by qPCR and length heterogeneity analysis. <i>Journal of Microbiological Methods</i> , 2007, 71, 7-14.	1.6	219
12	Soil microbiomes vary in their ability to confer drought tolerance to Arabidopsis. <i>Applied Soil Ecology</i> , 2013, 68, 1-9.	4.3	207
13	A/Ci curve analysis across a range of woody plant species: influence of regression analysis parameters and mesophyll conductance. <i>Journal of Experimental Botany</i> , 2004, 55, 2581-2588.	4.8	162
14	Impacts of bulk soil microbial community structure on rhizosphere microbiomes of Zea mays. <i>Plant and Soil</i> , 2015, 392, 115-126.	3.7	155
15	Isolation and characterization of lignin-degrading bacteria from rainforest soils. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1616-1626.	3.3	135
16	Pyrosequencing Assessment of Soil Microbial Communities in Organic and Conventional Potato Farms. <i>Plant Disease</i> , 2010, 94, 1329-1335.	1.4	109
17	Root and bacterial secretions regulate the interaction between plants and PGPR leading to distinct plant growth promotion effects. <i>Plant and Soil</i> , 2016, 401, 259-272.	3.7	104
18	Reduction of Selenite to Elemental Red Selenium by Pseudomonas sp. Strain CA5. <i>Current Microbiology</i> , 2009, 58, 493-498.	2.2	93

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19	Pseudothecia of Swiss needle cast fungus, <i>Phaeocryptopus gaeumannii</i> , physically block stomata of Douglas fir, reducing CO <sub>2</sub> assimilation. <i>New Phytologist</i> , 2000, 148, 481-491.	7.3	74
20	A Climate-Based Model for Predicting Geographic Variation in Swiss Needle Cast Severity in the Oregon Coast Range. <i>Phytopathology</i> , 2005, 95, 1256-1265.	2.2	73
21	Soil fungal abundance and diversity: another victim of the invasive plant <i>Centaurea maculosa</i> . <i>ISME Journal</i> , 2007, 1, 763-765.	9.8	72
22	Roots from distinct plant developmental stages are capable of rapidly selecting their own microbiome without the influence of environmental and soil edaphic factors. <i>Soil Biology and Biochemistry</i> , 2015, 89, 206-209.	8.8	69
23	Bio-Reduction of Selenite to Elemental Red Selenium by <i>Tetrathiodibacter kashmirensis</i> . <i>Current Microbiology</i> , 2008, 57, 83-88.	2.2	58
24	<i>Mitsuaria</i> sp. and <i>Burkholderia</i> sp. from <i>Arabidopsis</i> rhizosphere enhance drought tolerance in <i>Arabidopsis thaliana</i> and maize ( <i>Zea mays</i> L.). <i>Plant and Soil</i> , 2017, 419, 523-539.	3.7	58
25	<i>Enterobacter soli</i> sp. nov.: A Lignin-Degrading $\hat{I}^3$ -Proteobacteria Isolated from Soil. <i>Current Microbiology</i> , 2011, 62, 1044-1049.	2.2	56
26	Predicting effects of climate change on Swiss needle cast disease severity in Pacific Northwest forests. <i>Canadian Journal of Plant Pathology</i> , 2008, 30, 169-176.	1.4	54
27	Root Secreted Metabolites and Proteins Are Involved in the Early Events of Plant-Plant Recognition Prior to Competition. <i>PLoS ONE</i> , 2012, 7, e46640.	2.5	54
28	Antimicrobial Activity of Extractable Conifer Heartwood Compounds Toward <i>Phytophthora ramorum</i> . <i>Journal of Chemical Ecology</i> , 2007, 33, 2133-2147.	1.8	51
29	Bacterial Microbiome and Nematode Occurrence in Different Potato Agricultural Soils. <i>Microbial Ecology</i> , 2017, 74, 888-900.	2.8	51
30	Growth response of Douglas-fir seedlings to nitrogen fertilization: importance of Rubisco activation state and respiration rates. <i>Tree Physiology</i> , 2005, 25, 1015-1021.	3.1	49
31	Negative Effects of Sample Pooling on PCR-Based Estimates of Soil Microbial Richness and Community Structure. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2086-2090.	3.1	46
32	Relationships between <i>Arabidopsis</i> genotype-specific biomass accumulation and associated soil microbial communities. <i>Botany</i> , 2013, 91, 123-126.	1.0	46
33	Modelling the impacts of the foliar pathogen, <i>Phaeocryptopus gaeumannii</i> , on Douglas-fir physiology: net canopy carbon assimilation, needle abscission and growth. <i>Ecological Modelling</i> , 2003, 164, 211-226.	2.5	40
34	Comparison of Biochemical, Molecular, and Visual Methods to Quantify <i>Phaeocryptopus gaeumannii</i> in Douglas-Fir Foliage. <i>Phytopathology</i> , 2003, 93, 121-126.	2.2	39
35	Ethanol Attracts Scolytid Beetles to <i>Phytophthora ramorum</i> Cankers on Coast Live Oak. <i>Journal of Chemical Ecology</i> , 2013, 39, 494-506.	1.8	39
36	Soil sterilization leads to re-colonization of a healthier rhizosphere microbiome. <i>Rhizosphere</i> , 2019, 12, 100176.	3.0	37

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37	Isolation of Cultivation-Resistant Oomycetes, First Detected as Amplicon Sequences, from Roots of Herbicide-Terminated Winter Rye. <i>Phytobiomes Journal</i> , 2017, 1, 24-35.	2.7	34
38	A novel approach to determine generalist nematophagous microbes reveals <i>Mortierella globalpina</i> as a new biocontrol agent against <i>Meloidogyne</i> spp. nematodes. <i>Scientific Reports</i> , 2019, 9, 7521.	3.3	34
39	Plant origin and ploidy influence gene expression and life cycle characteristics in an invasive weed. <i>BMC Plant Biology</i> , 2009, 9, 33.	3.6	30
40	Influence of ATP-Binding Cassette Transporters in Root Exudation of Phytoalexins, Signals, and in Disease Resistance. <i>Frontiers in Plant Science</i> , 2012, 3, 149.	3.6	26
41	Site and Clone Effects on the Potato Root-Associated Core Microbiome and its Relationship to Tuber Yield and Nutrients. <i>American Journal of Potato Research</i> , 2015, 92, 1-9.	0.9	26
42	Influence of long-term nitrogen fertilization on crop and soil micronutrients in a no-till maize cropping system. <i>Field Crops Research</i> , 2018, 228, 170-182.	5.1	26
43	Photosynthetic Declines in <i>Phytophthora ramorum</i> -Infected Plants Develop Prior to Water Stress and in Response to Exogenous Application of Elicitins. <i>Phytopathology</i> , 2007, 97, 850-856.	2.2	24
44	myPhyloDB: a local web server for the storage and analysis of metagenomic data. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw037.	3.0	24
45	<i>Pseudomonas seleniipraecipitatus</i> sp. nov.: A Selenite Reducing $\hat{\beta}$ -Proteobacteria Isolated from Soil. <i>Current Microbiology</i> , 2011, 62, 565-569.	2.2	23
46	Why we need a National Living Soil Repository. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13587-13590.	7.1	22
47	Interactions of Stover and Nitrogen Management on Soil Microbial Community and Labile Carbon under Irrigated No-till Corn. <i>Soil Science Society of America Journal</i> , 2018, 82, 323-331.	2.2	21
48	Phosphorus addition shifts the microbial community in the rhizosphere of blueberry ( <i>Vaccinium</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	3.0	20
49	Effect of Plant Sterols and Tannins on <i>Phytophthora ramorum</i> Growth and Sporulation. <i>Journal of Chemical Ecology</i> , 2013, 39, 733-743.	1.8	19
50	Differential Effects of Phosphorus Fertilization on Plant Uptake and Rhizosphere Microbiome of Cultivated and Non-cultivated Potatoes. <i>Microbial Ecology</i> , 2020, 80, 169-180.	2.8	18
51	Genotype-Specific Enrichment of 1-Aminocyclopropane-1-Carboxylic Acid Deaminase-Positive Bacteria in Winter Wheat Rhizospheres. <i>Soil Science Society of America Journal</i> , 2017, 81, 796-805.	2.2	17
52	Biotransformation of Ferulic Acid to 4-Vinylguaiacol by <i>Enterobacter soli</i> and <i>E. aerogenes</i> . <i>Current Microbiology</i> , 2012, 65, 752-757.	2.2	14
53	Stomatal regulation in Douglas fir following a fungal-mediated chronic reduction in leaf area. <i>Trees - Structure and Function</i> , 2003, 17, 485-491.	1.9	13
54	Genotype-specific response of winter wheat ( <i>Triticum aestivum</i> L.) to irrigation and inoculation with ACC deaminase bacteria. <i>Rhizosphere</i> , 2018, 8, 1-7.	3.0	13

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55	Conditioned soils reveal plant-selected microbial communities that impact plant drought response. <i>Scientific Reports</i> , 2021, 11, 21153.	3.3	13
56	A molecular approach to understanding plant - plant interactions in the context of invasion biology. <i>Functional Plant Biology</i> , 2008, 35, 1123.	2.1	11
57	Soil Microbial Communities on Roughs, Fairways, and Putting Greens of Cool-Season Golf Courses. <i>Crop Science</i> , 2019, 59, 1753-1767.	1.8	10
58	Lignocellulose Decomposition by Microbial Secretions. <i>Signaling and Communication in Plants</i> , 2012, , 125-153.	0.7	9
59	<i>Pseudomonas kuykendallii</i> sp. nov.: A Novel $\hat{3}$ -Proteobacteria Isolated From a Hexazinone Degrading Bioreactor. <i>Current Microbiology</i> , 2012, 65, 170-175.	2.2	9
60	Nematode communities on putting greens, fairways, and roughs of organic and conventional cool-season golf courses. <i>Applied Soil Ecology</i> , 2017, 121, 161-171.	4.3	9
61	Increased Electrical Output when a Bacterial ABTS Oxidizer is Used in a Microbial Fuel Cell. <i>Current Microbiology</i> , 2011, 62, 633-638.	2.2	8
62	Pre-treatment step with <i>Leuconostoc mesenteroides</i> or <i>L. pseudomesenteroides</i> strains removes furfural from <i>Zymomonas mobilis</i> ethanolic fermentation broth. <i>Bioresource Technology</i> , 2014, 169, 162-168.	9.6	8
63	Influence of thawing rate and fungal infection by <i>Rhizosphaera kalkhoffii</i> on freezing injury in red spruce ( <i>Picea rubens</i> ) needles. <i>Canadian Journal of Forest Research</i> , 1996, 26, 918-927.	1.7	7
64	Effect of Swiss needle cast on Douglas-fir stem ethanol and monoterpene concentrations, oleoresin flow, and host selection by the Douglas-fir beetle. <i>Forest Ecology and Management</i> , 2004, 190, 241-253.	3.2	7
65	Estimating beta diversity for under-sampled communities using the variably weighted Odum dissimilarity index and OTUshuff. <i>Bioinformatics</i> , 2015, 31, 3451-3459.	4.1	5
66	Interaction of Microorganisms, Insects, and Freezing Injury on Conifers. <i>Tree Physiology</i> , 2001, , 289-304.	2.5	2
67	Coadaptationary Aspects of the Underground Communication Between Plants and Other Organisms. <i>Signaling and Communication in Plants</i> , 2012, , 361-375.	0.7	1
68	<i>Rhizosphere Ecology</i> . , 2019, , 574-578.		1
69	Integrated soil health management: a framework for soil conservation and regeneration. <i>Burleigh Dodds Series in Agricultural Science</i> , 2018, , 69-87.	0.2	1