

# Wim H. Van Der Putten

## List of Publications by Year in Descending Order

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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.

333  
papers

31,431  
citations

86  
h-index

170  
g-index

346  
ext. papers

37,946  
ext. citations

7.7  
avg, IF

7.42  
L-index

#	Paper	IF	Citations
333	Plant-soil feedback as a driver of spatial structure in ecosystems: A commentary on "Belowground feedbacks as drivers of spatial self-organization and community assembly" by Inderjit, Ragan M. Callaway and Ehud Meron.. <i>Physics of Life Reviews</i> , <b>2022</b> , 40, 6-14	2.1	0
332	OSiD: opening the conceptual design of biobased processes to a context-sensitive sustainability analysis. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2021</b> , 15, 961	5.3	2
331	Steering the soil microbiome by repeated litter addition. <i>Journal of Ecology</i> , <b>2021</b> , 109, 2499-2513	6	6
330	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. <i>Scientific Data</i> , <b>2021</b> , 8, 136	8.2	4
329	Disentangling nematode and arbuscular mycorrhizal fungal community effect on the growth of range-expanding <i>Centaurea stoebe</i> in original and new range soil. <i>Plant and Soil</i> , <b>2021</b> , 466, 207-221	4.2	1
328	Ecosystem coupling: A unifying framework to understand the functioning and recovery of ecosystems. <i>One Earth</i> , <b>2021</b> , 4, 951-966	8.1	6
327	Plant-Soil Feedbacks and Temporal Dynamics of Plant Diversity-Productivity Relationships. <i>Trends in Ecology and Evolution</i> , <b>2021</b> , 36, 651-661	10.9	13
326	Within-patch and edge microclimates vary over a growing season and are amplified during a heatwave: Consequences for ectothermic insects. <i>Journal of Thermal Biology</i> , <b>2021</b> , 99, 103006	2.9	1
325	Resilience of rhizosphere microbial predators and their prey communities after an extreme heat event. <i>Functional Ecology</i> , <b>2021</b> , 35, 216-225	5.6	2
324	Evaluating long-term success in grassland restoration: an ecosystem multifunctionality approach. <i>Ecological Applications</i> , <b>2021</b> , 31, e02271	4.9	7
323	Effects of bioavailable phosphorus and soil biota on typical <i>Nardus</i> grassland species in competition with fast-growing plant species. <i>Ecological Indicators</i> , <b>2021</b> , 120, 106880	5.8	6
322	Fungal root endophytes influence plants in a species-specific manner that depends on plant's growth stage. <i>Journal of Ecology</i> , <b>2021</b> , 109, 1618-1632	6	0
321	Globally, plant-soil feedbacks are weak predictors of plant abundance. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 1756-1768	2.8	4
320	Severance of arbuscular mycorrhizal fungal mycelial networks in restoration grasslands enhances seedling biomass. <i>New Phytologist</i> , <b>2021</b> , 232, 753-761	9.8	0
319	Microbial storage and its implications for soil ecology. <i>ISME Journal</i> , <b>2021</b> ,	11.9	6
318	Optimizing stand density for climate-smart forestry: A way forward towards resilient forests with enhanced carbon storage under extreme climate events. <i>Soil Biology and Biochemistry</i> , <b>2021</b> , 162, 108396	7.5	0
317	A global database of soil nematode abundance and functional group composition. <i>Scientific Data</i> , <b>2020</b> , 7, 103	8.2	22

316	Quantitative comparison between the rhizosphere effect of <i>Arabidopsis thaliana</i> and co-occurring plant species with a longer life history. <i>ISME Journal</i> , <b>2020</b> , 14, 2433-2448	11.9	7
315	Phylogenetic signals and predictability in plant-soil feedbacks. <i>New Phytologist</i> , <b>2020</b> , 228, 1440-1449	9.8	7
314	Distinct Biogeographic Phenomena Require a Specific Terminology: A Reply to Wilson and Sagoff. <i>BioScience</i> , <b>2020</b> , 70, 112-114	5.7	2
313	The long-term restoration of ecosystem complexity. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 676-685	12.3	31
312	Community-level interactions between plants and soil biota during range expansion. <i>Journal of Ecology</i> , <b>2020</b> , 108, 1860-1873	6	8
311	Towards an integrative understanding of soil biodiversity. <i>Biological Reviews</i> , <b>2020</b> , 95, 350-364	13.5	37
310	Rhizosphere and litter feedbacks to range-expanding plant species and related natives. <i>Journal of Ecology</i> , <b>2020</b> , 108, 353-365	6	9
309	Nonlinear responses of soil nematode community composition to increasing aridity. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 117-126	6.1	16
308	Plant population and soil origin effects on rhizosphere nematode community composition of a range-expanding plant species and a native congener. <i>Oecologia</i> , <b>2020</b> , 194, 237-250	2.9	1
307	Short-term temperature history affects mineralization of fresh litter and extant soil organic matter, irrespective of agricultural management. <i>Soil Biology and Biochemistry</i> , <b>2020</b> , 150, 107985	7.5	1
306	Soil predator loss alters aboveground stoichiometry in a native but not in a related range-expanding plant when exposed to periodic heat waves. <i>Soil Biology and Biochemistry</i> , <b>2020</b> , 150, 107999	7.5	1
305	Soil fauna diversity increases CO but suppresses N O emissions from soil. <i>Global Change Biology</i> , <b>2020</b> , 26, 1886-1898	11.4	6
304	Global distribution of earthworm diversity. <i>Science</i> , <b>2019</b> , 366, 480-485	33.3	113
303	Applying the Aboveground-Belowground Interaction Concept in Agriculture: Spatio-Temporal Scales Matter. <i>Frontiers in Ecology and Evolution</i> , <b>2019</b> , 7,	3.7	12
302	A Conceptual Framework for Range-Expanding Species that Track Human-Induced Environmental Change. <i>BioScience</i> , <b>2019</b> , 69, 908-919	5.7	53
301	Cultivation-success of rare soil bacteria is not influenced by incubation time and growth medium. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210073	3.7	17
300	Does topsoil removal in grassland restoration benefit both soil nematode and plant communities?. <i>Journal of Applied Ecology</i> , <b>2019</b> , 56, 1782-1793	5.8	14
299	Latitudinal variation in soil nematode communities under climate warming-related range-expanding and native plants. <i>Global Change Biology</i> , <b>2019</b> , 25, 2714-2726	11.4	28

298	Pollination contribution to crop yield is often context-dependent: A review of experimental evidence. <i>Agriculture, Ecosystems and Environment</i> , <b>2019</b> , 280, 16-23	5.7	35
297	Relationships between fungal community composition in decomposing leaf litter and home-field advantage effects. <i>Functional Ecology</i> , <b>2019</b> , 33, 1524-1535	5.6	17
296	Single introductions of soil biota and plants generate long-term legacies in soil and plant community assembly. <i>Ecology Letters</i> , <b>2019</b> , 22, 1145-1151	10	35
295	Belowground Consequences of Intracontinental Range-Expanding Plants and Related Natives in Novel Environments. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 505	5.7	1
294	Range-expansion effects on the belowground plant microbiome. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 604-611	12.3	41
293	Root traits and belowground herbivores relate to plant-soil feedback variation among congeners. <i>Nature Communications</i> , <b>2019</b> , 10, 1564	17.4	39
292	Spatial distribution of soil nematodes relates to soil organic matter and life strategy. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 136, 107542	7.5	23
291	Soil nematode abundance and functional group composition at a global scale. <i>Nature</i> , <b>2019</b> , 572, 194-198	90.4	305
290	Microbial invasions in terrestrial ecosystems. <i>Nature Reviews Microbiology</i> , <b>2019</b> , 17, 621-631	22.2	37
289	Challenges and Opportunities for Soil Biodiversity in the Anthropocene. <i>Current Biology</i> , <b>2019</b> , 29, R1036-R1046	6.5	1046
288	Soil functional responses to drought under range-expanding and native plant communities. <i>Functional Ecology</i> , <b>2019</b> , 33, 2402-2416	5.6	7
287	Competition and predation as possible causes of bacterial rarity. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 1356-1368	5.2	13
286	Climate change effects on plant-soil feedbacks and consequences for biodiversity and functioning of terrestrial ecosystems. <i>Science Advances</i> , <b>2019</b> , 5, eaaz1834	14.3	98
285	Removal of soil biota alters soil feedback effects on plant growth and defense chemistry. <i>New Phytologist</i> , <b>2019</b> , 221, 1478-1491	9.8	26
284	Unexpected role of canonical aerobic methanotrophs in upland agricultural soils. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 131, 1-8	7.5	26
283	Ecological Intensification: Bridging the Gap between Science and Practice. <i>Trends in Ecology and Evolution</i> , <b>2019</b> , 34, 154-166	10.9	173
282	Integrating quantitative morphological and qualitative molecular methods to analyse soil nematode community responses to plant range expansion. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 1366-1378	7.7	42
281	Variation in home-field advantage and ability in leaf litter decomposition across successional gradients. <i>Functional Ecology</i> , <b>2018</b> , 32, 1563-1574	5.6	28

280	Crop yield gap and stability in organic and conventional farming systems. <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 256, 123-130	5.7	86
279	Relatedness with plant species in native community influences ecological consequences of range expansions. <i>Oikos</i> , <b>2018</b> , 127, 981-990	4	7
278	Soil microbial species loss affects plant biomass and survival of an introduced bacterial strain, but not inducible plant defences. <i>Annals of Botany</i> , <b>2018</b> , 121, 311-319	4.1	7
277	Enhancing Soil Organic Matter as a Route to the Ecological Intensification of European Arable Systems. <i>Ecosystems</i> , <b>2018</b> , 21, 1404-1415	3.9	30
276	Increased transgenerational epigenetic variation, but not predictable epigenetic variants, after environmental exposure in two apomictic dandelion lineages. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 3047-3059	2.8	12
275	Rapid evolution of phenology during range expansion with recent climate change. <i>Global Change Biology</i> , <b>2018</b> , 24, e534-e544	11.4	24
274	The influence of residence time and geographic extent on the strength of plant-soil feedbacks for naturalised <i>Trifolium</i> . <i>Journal of Ecology</i> , <b>2018</b> , 106, 207-217	6	13
273	Network Analyses Can Advance Above-Belowground Ecology. <i>Trends in Plant Science</i> , <b>2018</b> , 23, 759-768	13.1	30
272	Drought Legacy Effects on the Composition of Soil Fungal and Prokaryote Communities. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 294	5.7	70
271	Reply to comment by Van de Ven et al. on our paper "Crop yield gap and stability in conventional and organic systems" <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 267, 83-86	5.7	
270	Drought and soil fertility modify fertilization effects on aphid performance in wheat. <i>Basic and Applied Ecology</i> , <b>2018</b> , 30, 23-31	3.2	8
269	Relative importance of competition and plant-soil feedback, their synergy, context dependency and implications for coexistence. <i>Ecology Letters</i> , <b>2018</b> , 21, 1268-1281	10	99
268	Detecting macroecological patterns in bacterial communities across independent studies of global soils. <i>Nature Microbiology</i> , <b>2018</b> , 3, 189-196	26.6	86
267	Plant responses to variable timing of aboveground clipping and belowground herbivory depend on plant age. <i>Journal of Plant Ecology</i> , <b>2018</b> , 11, 696-708	1.7	9
266	Nematode community responses to range-expanding and native plant communities in original and new range soils. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 10288-10297	2.8	6
265	Size-dependent loss of aboveground animals differentially affects grassland ecosystem coupling and functions. <i>Nature Communications</i> , <b>2018</b> , 9, 3684	17.4	28
264	LAESI mass spectrometry imaging as a tool to differentiate the root metabolome of native and range-expanding plant species. <i>Planta</i> , <b>2018</b> , 248, 1515-1523	4.7	12
263	Influence of seed size on performance of non-native annual plant species in a novel community at two planting densities. <i>Acta Oecologica</i> , <b>2018</b> , 92, 131-137	1.7	3

262	Biodiversity-ecosystem functioning relationships in a long-term non-weeded field experiment. <i>Ecology</i> , <b>2018</b> , 99, 1836-1846	4.6	15
261	Aboveground mammal and invertebrate exclusions cause consistent changes in soil food webs of two subalpine grassland types, but mechanisms are system-specific. <i>Oikos</i> , <b>2017</b> , 126,	4	5
260	Belowground drivers of plant diversity. <i>Science</i> , <b>2017</b> , 355, 134-135	33.3	44
259	Soil networks become more connected and take up more carbon as nature restoration progresses. <i>Nature Communications</i> , <b>2017</b> , 8, 14349	17.4	309
258	Differential responses of soil bacteria, fungi, archaea and protists to plant species richness and plant functional group identity. <i>Molecular Ecology</i> , <b>2017</b> , 26, 4085-4098	5.7	99
257	Possible mechanisms underlying abundance and diversity responses of nematode communities to plant diversity. <i>Ecosphere</i> , <b>2017</b> , 8, e01719	3.1	34
256	Effects of bio-based residue amendments on greenhouse gas emission from agricultural soil are stronger than effects of soil type with different microbial community composition. <i>GCB Bioenergy</i> , <b>2017</b> , 9, 1707-1720	5.6	22
255	Soil Biodiversity and Ecosystem Functioning <b>2017</b> , 119-140		1
254	The plant percepton connects environment to development. <i>Nature</i> , <b>2017</b> , 543, 337-345	50.4	61
253	Soil pathogen-aphid interactions under differences in soil organic matter and mineral fertilizer. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179695	3.7	2
252	Changing soil legacies to direct restoration of plant communities. <i>AoB PLANTS</i> , <b>2017</b> , 9, plx038	2.9	5
251	Combined effects of agrochemicals and ecosystem services on crop yield across Europe. <i>Ecology Letters</i> , <b>2017</b> , 20, 1427-1436	10	44
250	Soil handling methods should be selected based on research questions and goals. <i>New Phytologist</i> , <b>2017</b> , 216, 18-23	9.8	23
249	A test of the hierarchical model of litter decomposition. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 1836-1845	5.3	116
248	Timing of simulated aboveground herbivory influences population dynamics of root-feeding nematodes. <i>Plant and Soil</i> , <b>2017</b> , 415, 215-228	4.2	7
247	Shifts in rhizosphere fungal community during secondary succession following abandonment from agriculture. <i>ISME Journal</i> , <b>2017</b> , 11, 2294-2304	11.9	109
246	Effects of temperature, moisture and soil type on seedling emergence and mortality of riparian plant species. <i>Aquatic Botany</i> , <b>2017</b> , 136, 82-94	1.8	9
245	Low abundant soil bacteria can be metabolically versatile and fast growing. <i>Ecology</i> , <b>2017</b> , 98, 555-564	4.6	42

244	Belowground Plant-Herbivore Interactions Vary among Climate-Driven Range-Expanding Plant Species with Different Degrees of Novel Chemistry. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1861	6.2	18
243	Seed and Root Endophytic Fungi in a Range Expanding and a Related Plant Species. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1645	5.7	43
242	Plant-Soil feedbacks: role of plant functional group and plant traits. <i>Journal of Ecology</i> , <b>2016</b> , 104, 1608-1617		140
241	Plant mutualisms with rhizosphere microbiota in introduced versus native ranges. <i>Journal of Ecology</i> , <b>2016</b> , 104, 1259-1270	6	17
240	Interspecific differences in nematode control between range-expanding plant species and their congeneric natives. <i>Soil Biology and Biochemistry</i> , <b>2016</b> , 100, 233-241	7.5	9
239	Pampered inside, pestered outside? Differences and similarities between plants growing in controlled conditions and in the field. <i>New Phytologist</i> , <b>2016</b> , 212, 838-855	9.8	242
238	Soil inoculation steers restoration of terrestrial ecosystems. <i>Nature Plants</i> , <b>2016</b> , 2, 16107	11.5	219
237	Trifolium species associate with a similar richness of soil-borne mutualists in their introduced and native ranges. <i>Journal of Biogeography</i> , <b>2016</b> , 43, 944-954	4.1	12
236	Effects of root decomposition on plant-soil feedback of early- and mid-successional plant species. <i>New Phytologist</i> , <b>2016</b> , 212, 220-31	9.8	28
235	Can above-ground ecosystem services compensate for reduced fertilizer input and soil organic matter in annual crops?. <i>Journal of Applied Ecology</i> , <b>2016</b> , 53, 1186-1194	5.8	23
234	Organic farming practices result in compositional shifts in nematode communities that exceed crop-related changes. <i>Applied Soil Ecology</i> , <b>2016</b> , 98, 254-260	5	28
233	Where, when and how plant-soil feedback matters in a changing world. <i>Functional Ecology</i> , <b>2016</b> , 30, 1109-1121	5.6	244
232	No difference in the competitive ability of introduced and native Trifolium provenances when grown with soil biota from their introduced and native ranges. <i>AoB PLANTS</i> , <b>2016</b> , 8,	2.9	6
231	Herbivory and dominance shifts among exotic and congeneric native plant species during plant community establishment. <i>Oecologia</i> , <b>2016</b> , 180, 507-17	2.9	12
230	Ecosystem Services Provided by Soil Life <b>2016</b> , 415-420		
229	Knowledge needs, available practices, and future challenges in agricultural soils. <i>Soil</i> , <b>2016</b> , 2, 511-521	5.8	8
228	The significance of soils and soil science towards realization of the United Nations Sustainable Development Goals. <i>Soil</i> , <b>2016</b> , 2, 111-128	5.8	795
227	FORUM paper: The significance of soils and soil science towards realization of the UN sustainable development goals (SDGs) <b>2016</b> ,		9

226	The Potential of Hyperspectral Patterns of Winter Wheat to Detect Changes in Soil Microbial Community Composition. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 759	6.2	11
225	Effects of first- and second-generation bioenergy crops on soil processes and legacy effects on a subsequent crop. <i>GCB Bioenergy</i> , <b>2016</b> , 8, 136-147	5.6	30
224	Root responses of grassland species to spatial heterogeneity of plant-soil feedback. <i>Functional Ecology</i> , <b>2015</b> , 29, 177-186	5.6	31
223	Complementarity and selection effects in early and mid-successional plant communities are differentially affected by plant-soil feedback. <i>Journal of Ecology</i> , <b>2015</b> , 103, 641-647	6	18
222	Aboveground vertebrate and invertebrate herbivore impact on net N mineralization in subalpine grasslands. <i>Ecology</i> , <b>2015</b> , 96, 3312-22	4.6	30
221	Interspecific competition of early successional plant species in ex-arable fields as influenced by plant-soil feedback. <i>Basic and Applied Ecology</i> , <b>2015</b> , 16, 112-119	3.2	15
220	Spatial heterogeneity of plant-soil feedback affects root interactions and interspecific competition. <i>New Phytologist</i> , <b>2015</b> , 207, 830-40	9.8	45
219	Plant-feeding nematodes in coastal sand dunes: occurrence, host specificity and effects on plant growth. <i>Plant and Soil</i> , <b>2015</b> , 397, 17-30	4.2	33
218	Separating the role of biotic interactions and climate in determining adaptive response of plants to climate change. <i>Ecology</i> , <b>2015</b> , 96, 1298-308	4.6	28
217	Legacy effects of elevated ozone on soil biota and plant growth. <i>Soil Biology and Biochemistry</i> , <b>2015</b> , 91, 50-57	7.5	21
216	Biodiversity increases the resistance of ecosystem productivity to climate extremes. <i>Nature</i> , <b>2015</b> , 526, 574-7	50.4	647
215	Shifts in microbial diversity through land use intensity as drivers of carbon mineralization in soil. <i>Soil Biology and Biochemistry</i> , <b>2015</b> , 90, 204-213	7.5	104
214	Towards an Integration of Biodiversity-Ecosystem Functioning and Food Web Theory to Evaluate Relationships between Multiple Ecosystem Services. <i>Advances in Ecological Research</i> , <b>2015</b> , 161-199	4.6	57
213	Intensive agriculture reduces soil biodiversity across Europe. <i>Global Change Biology</i> , <b>2015</b> , 21, 973-85	11.4	419
212	Local dominance of exotic plants declines with residence time: a role for plant-soil feedback?. <i>AoB PLANTS</i> , <b>2015</b> , 7,	2.9	12
211	The epigenetic footprint of poleward range-expanding plants in apomictic dandelions. <i>Molecular Ecology</i> , <b>2015</b> , 24, 4406-18	5.7	35
210	Unexpected stimulation of soil methane uptake as emergent property of agricultural soils following bio-based residue application. <i>Global Change Biology</i> , <b>2015</b> , 21, 3864-79	11.4	32
209	Toward a global platform for linking soil biodiversity data. <i>Frontiers in Ecology and Evolution</i> , <b>2015</b> , 3,	3.7	16



208	Herbivory and Stoichiometric Feedbacks to Primary Production. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129775	3.7	13
207	Context dependency and saturating effects of loss of rare soil microbes on plant productivity. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 485	6.2	35
206	Effects of the Timing of Herbivory on Plant Defense Induction and Insect Performance in Ribwort Plantain ( <i>Plantago lanceolata</i> L.) Depend on Plant Mycorrhizal Status. <i>Journal of Chemical Ecology</i> , <b>2015</b> , 41, 1006-17	2.7	24
205	Top-down control of root-feeding nematodes in range-expanding and congeneric native plant species. <i>Basic and Applied Ecology</i> , <b>2015</b> , 16, 260-268	3.2	16
204	Grazing-induced changes in plant-soil feedback alter plant biomass allocation. <i>Oikos</i> , <b>2014</b> , 123, 800-806	4	36
203	Novel chemistry of invasive plants: exotic species have more unique metabolomic profiles than native congeners. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 2777-86	2.8	57
202	Plant-soil feedbacks of exotic plant species across life forms: a meta-analysis. <i>Biological Invasions</i> , <b>2014</b> , 16, 2551-2561	2.7	50
201	Chemical variation in <i>Jacobaea vulgaris</i> is influenced by the interaction of season and vegetation successional stage. <i>Phytochemistry</i> , <b>2014</b> , 99, 86-94	4	19
200	Selective alteration of soil food web components by invasive giant goldenrod <i>Solidago gigantea</i> in two distinct habitat types. <i>Oikos</i> , <b>2014</b> , 123, 837-845	4	17
199	The northward shifting neophyte <i>Tragopogon dubius</i> is just as effective in forming mycorrhizal associations as the native <i>T. pratensis</i> . <i>Plant Ecology and Diversity</i> , <b>2014</b> , 7, 533-539	2.2	4
198	Belowground biodiversity and ecosystem functioning. <i>Nature</i> , <b>2014</b> , 515, 505-11	50.4	1393
197	Introduced tree species released from negative soil biota. <i>New Phytologist</i> , <b>2014</b> , 202, 341-343	9.8	5
196	Are there evolutionary consequences of plant-soil feedbacks along soil gradients?. <i>Functional Ecology</i> , <b>2014</b> , 28, 55-64	5.6	50
195	Urban and agricultural soils: conflicts and trade-offs in the optimization of ecosystem services. <i>Urban Ecosystems</i> , <b>2014</b> , 17, 239-253	2.8	52
194	Sequential effects of root and foliar herbivory on aboveground and belowground induced plant defense responses and insect performance. <i>Oecologia</i> , <b>2014</b> , 175, 187-98	2.9	26
193	Soil microbial community structure of range-expanding plant species differs from co-occurring natives. <i>Journal of Ecology</i> , <b>2013</b> , 101, 1093-1102	6	34
192	Changes in plant defense chemistry (pyrrolizidine alkaloids) revealed through high-resolution spectroscopy. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2013</b> , 80, 51-60	11.8	12
191	<i>Heterodera schachtii</i> nematodes interfere with aphid-plant relations on <i>Brassica oleracea</i> . <i>Journal of Chemical Ecology</i> , <b>2013</b> , 39, 1193-203	2.7	21

190	Testing the Australian Weed Risk Assessment with different estimates for invasiveness. <i>Biological Invasions</i> , <b>2013</b> , 15, 1319-1330	2.7	7
189	Going back to the roots: the microbial ecology of the rhizosphere. <i>Nature Reviews Microbiology</i> , <b>2013</b> , 11, 789-99	22.2	1684
188	Consequences of plant-soil feedbacks in invasion. <i>Journal of Ecology</i> , <b>2013</b> , 101, 298-308	6	119
187	Soil and Freshwater and Marine Sediment Food Webs: Their Structure and Function. <i>BioScience</i> , <b>2013</b> , 63, 35-42	5.7	26
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181	Independent variations of plant and soil mixtures reveal soil feedback effects on plant community overyielding. <i>Journal of Ecology</i> , <b>2013</b> , 101, 287-297	6	87
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178	Competition increases sensitivity of wheat ( <i>Triticum aestivum</i> ) to biotic plant-soil feedback. <i>PLoS ONE</i> , <b>2013</b> , 8, e66085	3.7	26
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41	Separating the chance effect from other diversity effects in the functioning of plant communities. <i>Oikos</i> , <b>2001</b> , 92, 123-134	4	117
40	Linking above- and below-ground biodiversity: abundance and trophic complexity in soil as a response to experimental plant communities on abandoned arable land. <i>Functional Ecology</i> , <b>2001</b> , 15, 506-514	5.6	89
39	Linking above- and belowground multitrophic interactions of plants, herbivores, pathogens, and their antagonists. <i>Trends in Ecology and Evolution</i> , <b>2001</b> , 16, 547-554	10.9	422
38	All mycorrhizas are not equal. <i>Trends in Ecology and Evolution</i> , <b>2001</b> , 16, 672-673	10.9	1
37	Vegetative reproduction by species with different adaptations to shallow-flooded habitats. <i>New Phytologist</i> , <b>2000</b> , 145, 61-70	9.8	25
36	Rapid identification of cyst ( <i>Heterodera</i> spp., <i>Globodera</i> spp.) and root-knot ( <i>Meloidogyne</i> spp.) nematodes on the basis of ITS2 sequence variation detected by PCR-single-strand conformational polymorphism (PCR-SSCP) in cultures and field samples. <i>Molecular Ecology</i> , <b>2000</b> , 9, 1223-32	5.7	22
35	Interactions between above- and belowground biota: importance for small-scale vegetation mosaics in a grassland ecosystem. <i>Oikos</i> , <b>2000</b> , 90, 582-598	4	89
34	Variation in species composition and species richness within <i>Phragmites australis</i> dominated riparian zones. <i>Plant Ecology</i> , <b>2000</b> , 147, 137-146	1.7	20
33	Effect of vegetation manipulation of abandoned arable land on soil microbial properties. <i>Biology and Fertility of Soils</i> , <b>2000</b> , 31, 121-127	6.1	28
32	Small-scale shifting mosaics of two dominant grassland species: the possible role of soil-borne pathogens. <i>Oecologia</i> , <b>2000</b> , 125, 45-54	2.9	117
31	Plant species diversity as a driver of early succession in abandoned fields: a multi-site approach. <i>Oecologia</i> , <b>2000</b> , 124, 91-99	2.9	210
30	Effects of Global Changes on Above- and Belowground Biodiversity in Terrestrial Ecosystems: Implications for Ecosystem Functioning. <i>BioScience</i> , <b>2000</b> , 50, 1089	5.7	130
29	Interactions between Aboveground and Belowground Biodiversity in Terrestrial Ecosystems: Patterns, Mechanisms, and Feedbacks. <i>BioScience</i> , <b>2000</b> , 50, 1049	5.7	486

28	Effects of sediment type and water level on biomass production of wetland plant species. <i>Aquatic Botany</i> , <b>1999</b> , 64, 151-165	1.8	59
27	Control of Plant Species Richness and Zonation of Functional Groups along a Freshwater Flooding Gradient. <i>Oikos</i> , <b>1999</b> , 86, 523	4	99
26	Pathogens and Plant Life Histories <b>1999</b> , 275-301		13
25	The role of ethylene and darkness in accelerated shoot elongation of <i>Ammophila breviligulata</i> upon sand burial. <i>Oecologia</i> , <b>1998</b> , 115, 359-365	2.9	10
24	Vertical migration of nematodes and soil-borne fungi to developing roots of <i>Ammophila arenaria</i> (L.) link after sand accretion. <i>Applied Soil Ecology</i> , <b>1998</b> , 10, 1-10	5	23
23	Plant parasitic nematodes and spatio-temporal variation in natural vegetation. <i>Applied Soil Ecology</i> , <b>1998</b> , 10, 253-262	5	60
22	Physiological Integration of the Clonal Plant <i>Carex arenaria</i> and Its Response to Soil-Borne Pathogens. <i>Oikos</i> , <b>1998</b> , 81, 229	4	66
21	HOW SOIL-BORNE PATHOGENS MAY AFFECT PLANT COMPETITION. <i>Ecology</i> , <b>1997</b> , 78, 1785-1795	4.6	168
20	Plant-soil feedback as a selective force. <i>Trends in Ecology and Evolution</i> , <b>1997</b> , 12, 169-70	10.9	34
19	Die-back of <i>Phragmites australis</i> in European wetlands: an overview of the European Research Programme on Reed Die-back and Progression (1993-1994). <i>Aquatic Botany</i> , <b>1997</b> , 59, 263-275	1.8	184
18	Effects of sand movement by wind on nematodes and soil-borne fungi in coastal foredunes. <i>Journal of Coastal Conservation</i> , <b>1997</b> , 3, 133-142	1.9	22
17	Vegetation development in coastal foredunes in relation to methods of establishing marram grass ( <i>Ammophila arenaria</i> ). <i>Journal of Coastal Conservation</i> , <b>1997</b> , 3, 179-190	1.9	16
16	Effects of sand movement by wind on nematodes and soil-borne fungi in coastal foredunes. <i>Journal of Coastal Conservation</i> , <b>1997</b> , 3, 133-142	1.9	16
15	Vegetation development in coastal foredunes in relation to methods of establishing marram grass ( <i>Ammophila arenaria</i> ). <i>Journal of Coastal Conservation</i> , <b>1997</b> , 3, 179-190	1.9	5
14	Effects of litter on substrate conditions and growth of emergent macrophytes. <i>New Phytologist</i> , <b>1997</b> , 135, 527-537	9.8	45
13	<i>Phragmites</i> dieback: bud and root death, blockages within the aeration and vascular systems and the possible role of phytotoxins. <i>New Phytologist</i> , <b>1996</b> , 133, 399-414	9.8	99
12	Analysis of nematodes and soil-borne fungi from <i>Ammophila arenaria</i> (Marram grass) in Dutch coastal foredunes by multivariate techniques. <i>European Journal of Plant Pathology</i> , <b>1995</b> , 101, 149-162	2.1	66
11	Effects of sand deposition on the interaction between <i>Ammophila arenaria</i> , plant-parasitic nematodes, and pathogenic fungi. <i>Canadian Journal of Botany</i> , <b>1995</b> , 73, 1141-1150		29

10	Effects of detritus accumulation on the growth of <i>Scirpus maritimus</i> under greenhouse conditions. <i>Canadian Journal of Botany</i> , <b>1995</b> , 73, 852-861		7
9	Possibilities for management of coastal foredunes with deteriorated stands of <i>Ammophila arenaria</i> (marram grass). <i>Journal of Coastal Conservation</i> , <b>1995</b> , 1, 29-39	1.9	23
8	Plant-specific soil-borne diseases contribute to succession in foredune vegetation. <i>Nature</i> , <b>1993</b> , 362, 53-56	50.4	502
7	Harmful soil organisms in coastal foredunes involved in degeneration of <i>Ammophila arenaria</i> and <i>Calamophila baltica</i> . <i>Canadian Journal of Botany</i> , <b>1990</b> , 68, 1560-1568		40
6	Characterization of soil organisms involved in the degeneration of <i>Ammophila arenaria</i> . <i>Soil Biology and Biochemistry</i> , <b>1990</b> , 22, 845-852	7.5	49
5	Colonization of the root zone of <i>Ammophila arenaria</i> by harmful soil organisms. <i>Plant and Soil</i> , <b>1989</b> , 120, 213-223	4.2	34
4	Biotic soil factors affecting the growth and development of <i>Ammophila arenaria</i> . <i>Oecologia</i> , <b>1988</b> , 76, 313-320	2.9	92
3	Global distribution of earthworm diversity		4
2	Long-term recovery of above- and below-ground interactions in restored grasslands after topsoil removal and seed addition. <i>Journal of Applied Ecology</i> ,	5.8	1
1	Greenhouse gas (CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O) emissions after abandonment of agriculture. <i>Biology and Fertility of Soils</i> , 1	6.1	0