Jennifer A Schweitzer

List of Publications by Year
in descending order

52 papers	3,588 citations	279798 23 h-index	189892 50 g-index
52 all docs	52 docs citations	52 times ranked	5030 citing authors

#	Article	IF	Citations
1	Plantâ€“soil feedbacks: the past, the present and future challenges. Journal of Ecology, 2013, 101, 265-276.	4.0	1,259
2	The ecological importance of intraspecific variation. Nature Ecology and Evolution, 2018, 2, 57-64.	7.8	570
3	Fire as a fundamental ecological process: Research advances and frontiers. Journal of Ecology, 2020, 108, 2047-2069.	4.0	281
4	From Genes to Ecosystems: The Genetic Basis of Condensed Tannins and Their Role in Nutrient Regulation in a Populus Model System. Ecosystems, 2008, 11, 1005-1020.	3.4	163
5	Ecoâ€evolutionary feedbacksâ€"Theoretical models and perspectives. Functional Ecology, 2019, 33, 13-30.	3.6	137
6	Plantâ€“soil feedbacks: connecting ecosystem ecology and evolution. Functional Ecology, 2016, 30, 1032-1042.	3.6	83
7	Soils as agents of selection: feedbacks between plants and soils alter seedling survival and performance. Evolutionary Ecology, 2010, 24, 1045-1059.	1.2	72
8	Are there evolutionary consequences of plantâ€“soil feedbacks along soil gradients?. Functional Ecology, 2014, 28, 55-64.	3.6	64
9	Population, community and ecosystem effects of exotic herbivores: A growing global concern. Biological Invasions, 2010, 12, 297-301.	2.4	62
10	Soil-mediated local adaptation alters seedling survival and performance. Plant and Soil, 2012, 352, 243-251.	3.7	61
11	Tree genotype mediates covariance among communities from microbes to lichens and arthropods. Journal of Ecology, 2015, 103, 840-850.	4.0	59
12	Divergent plantâ€“soil feedbacks could alter future elevation ranges and ecosystem dynamics. Nature Ecology and Evolution, 2017, 1, 150.	7.8	59
13	Rapid shifts in the chemical composition of aspen forests: an introduced herbivore as an agent of natural selection. Biological Invasions, 2007, 9, 715-722.	2.4	56
14	Forest gene diversity is correlated with the composition and function of soil microbial communities. Population Ecology, 2011, 53, 35-46.	1.2	55
15	Genetic variation and community change â€“ selection, evolution, and feedbacks. Functional Ecology, 2011, 25, 408-419.	3.6	47
16	Indirect genetic effects: an evolutionary mechanism linking feedbacks, genotypic diversity and coadaptation in a climate change context. Functional Ecology, 2014, 28, 87-95.	3.6	38
17	Trait variation along elevation gradients in a dominant woody shrub is population-specific and driven by plasticity. AoB PLANTS, 2017, 9, plx027.	2.3	37
18	Introduced ungulate herbivore alters soil processes after fire. Biological Invasions, 2010, 12, 313-324.	2.4	29

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19	A fungal endophyte slows litter decomposition in streams. Freshwater Biology, 2011, 56, 1426-1433.	2.4	28
20	Plant functional constraints guide macroevolutionary tradeâ€offs in competitive and conservative growth responses to nitrogen. Functional Ecology, 2016, 30, 1099-1108.	3.6	27
21	Ecosystem feedbacks contribute to geographic variation in plantâ€“soil ecoâ€evolutionary dynamics across a fertility gradient. Functional Ecology, 2019, 33, 95-106.	3.6	27
22	Phylogeny Explains Variation in The Root Chemistry of Eucalyptus Species. Journal of Chemical Ecology, 2016, 42, 1086-1097.	1.8	26
23	Feedbacks link ecosystem ecology and evolution across spatial and temporal scales: Empirical evidence and future directions. Functional Ecology, 2019, 33, 31-42.	3.6	26
24	Plantâ€“soil feedbacks mediate shrub expansion in declining forests, but only in the right light. Journal of Ecology, 2018, 106, 179-194.	4.0	25
25	Climateâ€driven reduction of genetic variation in plant phenology alters soil communities and nutrient pools. Global Change Biology, 2019, 25, 1514-1528.	9.5	23
26	Climate-driven divergence in plant-microbiome interactions generates range-wide variation in bud break phenology. Communications Biology, 2021, 4, 748.	4.4	23
27	Tree genetics strongly affect forest productivity, but intraspecific diversityâ€“productivity relationships do not. Functional Ecology, 2017, 31, 520-529.	3.6	21
28	Soil nitrogen availability varies with plant genetics across diverse river drainages. Plant and Soil, 2010, 331, 391-400.	3.7	20
29	Shifts in Species Interactions Due to the Evolution of Functional Differences between Endemics and Non-Endemics: An Endemic Syndrome Hypothesis. PLoS ONE, 2014, 9, e111190.	2.5	17
30	Galling by Rhopalomyia solidaginis alters Solidago altissima architecture and litter nutrient dynamics in an old-field ecosystem. Plant and Soil, 2008, 303, 95-103.	3.7	16
31	Phylogeny is a powerful tool for predicting plant biomass responses to nitrogen enrichment. Ecology, 2017, 98, 2120-2132.	3.2	16
32	Changing perspectives on terrestrial nitrogen cycling: The importance of weathering and evolved resourceâ€use traits for understanding ecosystem responses to global change. Functional Ecology, 2019, 33, 1818-1829.	3.6	14
33	Genetic components to belowground carbon fluxes in a riparian forest ecosystem: a common garden approach. New Phytologist, 2012, 195, 631-639.	7.3	13
34	The rise of plantâ€“soil feedback in ecology and evolution. Functional Ecology, 2016, 30, 1030-1031.	3.6	12
35	Natural soil microbiome variation affects spring foliar phenology with consequences for plant productivity and climateâ€driven range shifts. New Phytologist, 2021, 232, 762-775.	7.3	12
36	Functional and heritable consequences of plant genotype on community composition and ecosystem processes. , 2012, , 371-390.		11

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37	From genes to ecosystems. , 2012, , 269-286.		10
38	The role of plant resistance and tolerance to herbivory in mediating the effects of introduced herbivores. Biological Invasions, 2010, 12, 337-351.	2.4	9
39	Accounting for the nested nature of genetic variation across levels of organization improves our understanding of biodiversity and community ecology. Oikos, 2016, 125, 895-904.	2.7	9
40	Salmon carcasses influence genetic linkages between forests and streams. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 910-920.	1.4	8
41	Soil fungi underlie a phylogenetic pattern in plant growth responses to nitrogen enrichment. Journal of Ecology, 2018, 106, 2161-2175.	4.0	8
42	Phylogenetic trait conservatism predicts patterns of plantâ€soil feedback. Ecosphere, 2018, 9, e02409.	2.2	7
43	Populations of Populus angustifolia have evolved distinct metabolic profiles that influence their surrounding soil. Plant and Soil, 2020, 448, 399-411.	3.7	7
44	Evolutionary history determines how plant productivity responds to phylogenetic diversity and species richness. PeerJ, 2014, 2, e288.	2.0	7
45	Forest fire may disrupt plantâ€“microbial feedbacks. Plant Ecology, 2018, 219, 497-504.	1.6	6
46	Ecosystem consequences of plant genetic divergence with colonization of new habitat. Ecosphere, 2017, 8, e01743.	2.2	5
47	Genetic variation in tree leaf chemistry predicts the abundance and activity of autotrophic soil microorganisms. Ecosphere, 2019, 10, e02795.	2.2	5
48	Plant genetic variation drives geographic differences in atmosphereâ€“plantâ€“ecosystem feedbacks. Plant-Environment Interactions, 2020, 1, 166-180.	1.5	5
49	Aphid Gall Interactions with Forest Tree Genotypes Influence Leaf Litter Decomposition in Streams. Forests, 2020, 11, 182.	2.1	5
50	Species identity influences belowground arthropod assemblages via functional traits. AoB PLANTS, 2013, 5, .	2.3	3
51	Arbuscular mycorrhizal fungal response to fire and urbanization in the Great Smoky Mountains National Park. Elementa, 2021, 9, .	3.2	3
52	Evolutionary History and Novel Biotic Interactions Determine Plant Responses to Elevated CO2 and Nitrogen Fertilization. PLoS ONE, 2014, 9, e114596.	2.5	2