Katie J Field

List of Publications by Year
in descending order

41 papers	1,902 citations	304743 22 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	2318 citing authors

#	Article	IF	Citations
1	Disruption of carbon for nutrient exchange between potato and arbuscular mycorrhizal fungi enhanced cyst nematode fitness and host pest tolerance. New Phytologist, 2022, 234, 269-279.	7.3	13
2	Variation in mycorrhizal growth response among a spring wheat mapping population shows potential to breed for symbiotic benefit. Food and Energy Security, 2022, 11, .	4.3	13
3	The potential role of Mucoromycotina â€˜fine root endophytesâ€™ in plant nitrogen nutrition. Physiologia Plantarum, 2022, 174, e13715.	5.2	14
4	A commercial arbuscular mycorrhizal inoculum increases root colonization across wheat cultivars but does not increase assimilation of mycorrhizaâ€acquired nutrients. Plants People Planet, 2021, 3, 588-599.	3.3	44
5	Phenology and function in lycopodâ€“Mucoromycotina symbiosis. New Phytologist, 2021, 229, 2389-2394.	7.3	14
6	Cultivarâ€dependent increases in mycorrhizal nutrient acquisition by barley in response to elevated CO₂. Plants People Planet, 2021, 3, 553-566.	3.3	12
7	The influence of competing root symbionts on belowâ€ground plant resource allocation. Ecology and Evolution, 2021, 11, 2997-3003.	1.9	5
8	Carbon for nutrient exchange between Lycopodiella inundata and Mucoromycotina fine root endophytes is unresponsive to high atmospheric CO2. Mycorrhiza, 2021, 31, 431-440.	2.8	7
9	Advances in understanding of mycorrhizal-like associations in bryophytes. Bryophyte Diversity and Evolution, 2021, 43, .	1.1	2
10	The emerging threat of humanâ€use antifungals in sustainable and circular agriculture schemes. Plants People Planet, 2021, 3, 685-693.	3.3	12
11	Mycorrhizal mediation of sustainable development goals. Plants People Planet, 2021, 3, 430-432.	3.3	3
12	Critical research challenges facing Mucoromycotina â€˜fine root endophytesâ€™. New Phytologist, 2021, 232, 1528-1534.	7.3	13
13	Carbon for nutrient exchange between arbuscular mycorrhizal fungi and wheat varies according to cultivar and changes in atmospheric carbon dioxide concentration. Global Change Biology, 2020, 26, 1725-1738.	9.5	70
14	The distribution and evolution of fungal symbioses in ancient lineages of land plants. Mycorrhiza, 2020, 30, 23-49.	2.8	31
15	Mycorrhizas for a changing world: Sustainability, conservation, and society. Plants People Planet, 2020, 2, 98-103.	3.3	13
16	Aphid Herbivory Drives Asymmetry in Carbon for Nutrient Exchange between Plants and an Arbuscular Mycorrhizal Fungus. Current Biology, 2020, 30, 1801-1808.e5.	3.9	33
17	Molecular Evidence of Mucoromycotina â€œFine Root Endophyteâ€•Fungi in Agricultural Crops. Biology and Life Sciences Forum, 2020, 4, .	0.6	3
18	Evolution and networks in ancient and widespread symbioses between Mucoromycotina and liverworts. Mycorrhiza, 2019, 29, 551-565.	2.8	20

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19	Functional complementarity of ancient plantâ€“fungal mutualisms: contrasting nitrogen, phosphorus and carbon exchanges between Mucoromycotina and Glomeromycotina fungal symbionts of liverworts. New Phytologist, 2019, 223, 908-921.	7.3	47
20	Mucoromycotina Fine Root Endophyte Fungi Form Nutritional Mutualisms with Vascular Plants. Plant Physiology, 2019, 181, 565-577.	4.8	51
21	A mycorrhizal revolution. Current Opinion in Plant Biology, 2018, 44, 1-6.	7.1	73
22	Nutrient acquisition by symbiotic fungi governs Palaeozoic climate transition. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20160503.	4.0	22
23	From rhizoids to roots? Experimental evidence of mutualism between liverworts and ascomycete fungi. Annals of Botany, 2018, 121, 221-227.	2.9	33
24	A quantitative method for the high throughput screening for the soil adhesion properties of plant and microbial polysaccharides and exudates. Plant and Soil, 2018, 428, 57-65.	3.7	22
25	Unity in diversity: structural and functional insights into the ancient partnerships between plants and fungi. New Phytologist, 2018, 220, 996-1011.	7.3	84
26	Xyloglucan is released by plants and promotes soil particle aggregation. New Phytologist, 2018, 217, 1128-1136.	7.3	79
27	Ancient plants with ancient fungi: liverworts associate with early-diverging arbuscular mycorrhizal fungi. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181600.	2.6	46
28	Are mycorrhizal fungi our sustainable saviours? Considerations for achieving food security. Journal of Ecology, 2017, 105, 921-929.	4.0	193
29	A Plant-Feeding Nematode Indirectly Increases the Fitness of an Aphid. Frontiers in Plant Science, 2017, 8, 1897.	3.6	18
30	Pteridophyte fungal associations: Current knowledge and future perspectives. Journal of Systematics and Evolution, 2016, 54, 666-678.	3.1	27
31	Katie J. Field. New Phytologist, 2016, 212, 836-837.	7.3	0
32	Functional analysis of liverworts in dual symbiosis with Glomeromycota and Mucoromycotina fungi under a simulated Palaeozoic CO2 decline. ISME Journal, 2016, 10, 1514-1526.	9.8	92
33	From mycoheterotrophy to mutualism: mycorrhizal specificity and functioning in <i><scp>O</scp>phioglossum vulgatum</i> sporophytes. New Phytologist, 2015, 205, 1492-1502.	7.3	37
34	Symbiotic options for the conquest of land. Trends in Ecology and Evolution, 2015, 30, 477-486.	8.7	172
35	Stomatal density and aperture in non-vascular land plants are non-responsive to above-ambient atmospheric CO2concentrations. Annals of Botany, 2015, 115, 915-922.	2.9	40
36	First evidence of mutualism between ancient plant lineages (<scp>H</scp>aplomitriopsida liverworts) and <scp>M</scp>ucoromycotina fungi and its response to simulated <scp>P</scp>alaeozoic changes in atmospheric <scp>CO</scp>₂. New Phytologist, 2015, 205, 743-756.	7.3	163

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37	Best of Both Worlds: Simultaneous High-Light and Shade-Tolerance Adaptations within Individual Leaves of the Living Stone Lithops aucampiae. PLoS ONE, 2013, 8, e75671.	2.5	13
38	Contrasting arbuscular mycorrhizal responses of vascular and non-vascular plants to a simulated Palaeozoic CO2 decline. Nature Communications, 2012, 3, 835.	12.8	91
39	Environmental metabolomics links genotype to phenotype and predicts genotype abundance in wild plant populations. Physiologia Plantarum, 2011, 142, 352-360.	5.2	23
40	Metabolomic and physiological responses reveal multiâ€phasic acclimation of <i>Arabidopsis thaliana</i> to chronic UV radiation. Plant, Cell and Environment, 2009, 32, 1377-1389.	5.7	79
41	The nucleotidase/phosphatase SAL1 is a negative regulator of drought tolerance in Arabidopsis. Plant Journal, 2009, 58, 299-317.	5.7	164