Catherine Preece

List of Publications by Year
in descending order

31 papers	1,395 citations	516215 16 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	2939 citing authors

#	Article	IF	Citations
1	Root exudate metabolomes change under drought and show limited capacity for recovery. Scientific Reports, 2018, 8, 12696.	1.6	231
2	Rhizodeposition under drought and consequences for soil communities and ecosystem resilience. Plant and Soil, 2016, 409, 1-17.	1.8	167
3	Effects of past and current drought on the composition and diversity of soil microbial communities. Soil Biology and Biochemistry, 2019, 131, 28-39.	4.2	141
4	Impacts of Global Change on Mediterranean Forests and Their Services. Forests, 2017, 8, 463.	0.9	98
5	Assessment of the impacts of climate change on Mediterranean terrestrial ecosystems based on data from field experiments and long-term monitored field gradients in Catalonia. Environmental and Experimental Botany, 2018, 152, 49-59.	2.0	96
6	How did the domestication of Fertile Crescent grain crops increase their yields?. Functional Ecology, 2017, 31, 387-397.	1.7	93
7	A Return to the Wild: Root Exudates and Food Security. Trends in Plant Science, 2020, 25, 14-21.	4.3	87
8	Thirsty tree roots exude more carbon. Tree Physiology, 2018, 38, 690-695.	1.4	80
9	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). Methods in Ecology and Evolution, 2020, 11, 22-37.	2.2	68
10	Ecosystem Response to Climatic Change: The Importance of the Cold Season. Ambio, 2012, 41, 246-255.	2.8	55
11	Impacts of winter icing events on the growth, phenology and physiology of subâ€arctic dwarf shrubs. Physiologia Plantarum, 2012, 146, 460-472.	2.6	28
12	Bryophyte C:N:P stoichiometry, biogeochemical niches and elementome plasticity driven by environment and coexistence. Ecology Letters, 2021, 24, 1375-1386.	3.0	28
13	Were Fertile Crescent crop progenitors higher yielding than other wild species that were never domesticated?. New Phytologist, 2015, 207, 905-913.	3.5	26
14	The origins of agriculture: Intentions and consequences. Journal of Archaeological Science, 2021, 125, 105290.	1.2	23
15	Re-analysis of archaeobotanical remains from pre- and early agricultural sites provides no evidence for a narrowing of the wild plant food spectrum during the origins of agriculture in southwest Asia. Vegetation History and Archaeobotany, 2019, 28, 449-463.	1.0	22
16	Drought is a stronger driver of soil respiration and microbial communities than nitrogen or phosphorus addition in two Mediterranean tree species. Science of the Total Environment, 2020, 735, 139554.	3.9	19
17	Impact of early and late winter icing events on subâ€arctic dwarf shrubs. Plant Biology, 2014, 16, 125-132.	1.8	17
18	Assessment of the Response of Photosynthetic Activity of Mediterranean Evergreen Oaks to Enhanced Drought Stress and Recovery by Using PRI and R690/R630. Forests, 2017, 8, 386.	0.9	16

#	Article	IF	Citations
19	Sea spray influences water chemical composition of Mediterranean semi-natural springs. Catena, 2019, 173, 414-423.	2.2	14
20	Nitrate pollution reduces bryophyte diversity in Mediterranean springs. Science of the Total Environment, 2020, 705, 135823.	3.9	14
21	On the influence of water conductivity, pH and climate on bryophyte assemblages in Catalan semi-natural springs. Journal of Bryology, 2018, 40, 149-158.	0.4	13
22	Responses of sub-arctic dwarf shrubs to low oxygen and high carbon dioxide conditions. Environmental and Experimental Botany, 2013, 85, 7-15.	2.0	12
23	Cereal progenitors differ in stand harvest characteristics from related wild grasses. Journal of Ecology, 2018, 106, 1286-1297.	1.9	11
24	Towards a moss sclerophylly continuum: Evolutionary history, water chemistry and climate control traits of hygrophytic mosses. Functional Ecology, 2019, 33, 2273-2289.	1.7	11
25	Interactive effects of soil water content and nutrients on root exudation in two Mediterranean tree species. Soil Biology and Biochemistry, 2021, 163, 108453.	4.2	9
26	Fertile Crescent crop progenitors gained a competitive advantage from large seedlings. Ecology and Evolution, 2021, 11, 3300-3312.	0.8	7
27	Do Bryophyte Elemental Concentrations Explain Their Morphological Traits?. Plants, 2021, 10, 1581.	1.6	6
28	Resistance and resilience of soil prokaryotic communities in response to prolonged drought in a tropical forest. FEMS Microbiology Ecology, 2021, 97, .	1.3	2
29	Nutrients control reproductive traits of hygrophytic bryophytes. Freshwater Biology, 2021, 66, 1436-1446.	1.2	1
30	Editorial: Exchanges at the Root-Soil Interface: Resource Trading in the Rhizosphere That Drives Ecosystem Functioning. Frontiers in Forests and Global Change, 2021, 4, .	1.0	0
31	Measuring root exudate metabolites in holm oak (Quercus ilex) under drought and recovery. , 2022, , 17-28.		0