Jordi Sardans

List of Publications by Year in descending order

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303 papers	21,797 citations	12330 69 h-index	11939 134 g-index
309 all docs	309 docs citations	309 times ranked	22205 citing authors

#	Article	IF	Citations
1	Interspecific interactions affect N and P uptake rather than N:P ratios of plant species: evidence from intercropping. Journal of Plant Ecology, 2022, 15, 223-236.	2.3	1
2	Contrasting nitrogen and phosphorus fertilization effects on soil terpene exchanges in a tropical forest. Science of the Total Environment, 2022, 802, 149769.	8.0	3
3	Global maps and factors driving forest foliar elemental composition: the importance of evolutionary history. New Phytologist, 2022, 233, 169-181.	7.3	15
4	Chronic and intense droughts differentially influence grassland carbon-nutrient dynamics along a natural aridity gradient. Plant and Soil, 2022, 473, 137-148.	3.7	10
5	Effect of soil degradation on the carbon concentration and retention of nitrogen and phosphorus across Chinese rice paddy fields. Catena, 2022, 209, 105810.	5.0	21
6	Allocation of foliar-P fractions of Alhagi sparsifolia and its relationship with soil-P fractions and soil properties in a hyperarid desert ecosystem. Geoderma, 2022, 407, 115546.	5.1	19
7	Decay of similarity across tropical forest communities: integrating spatial distance with soil nutrients. Ecology, 2022, 103, e03599.	3.2	9
8	Is the climate change mitigation effect of enhanced silicate weathering governed by biological processes?. Global Change Biology, 2022, 28, 711-726.	9.5	32
9	Natural forests promote phosphorus retention in soil. Global Change Biology, 2022, 28, 1678-1689.	9.5	13
10	Vertical profiles of leaf photosynthesis and leaf traits and soil nutrients in two tropical rainforests in French Guiana before and after a 3-year nitrogen and phosphorus addition experiment. Earth System Science Data, 2022, 14, 5-18.	9.9	6
11	Seasonal drought in Mediterranean soils mainly changes microbial C and N contents whereas chronic drought mainly impairs the capacity of microbes to retain P. Soil Biology and Biochemistry, 2022, 165, 108515.	8.8	10
12	The global nitrogen-phosphorus imbalance. Science, 2022, 375, 266-267.	12.6	95
13	Functional Traits 2.0: The power of the metabolome for ecology. Journal of Ecology, 2022, 110, 4-20.	4.0	42
14	Nitrous oxide emissions from subtropical estuaries: Insights for environmental controls and implications. Water Research, 2022, 212, 118110.	11.3	15
15	â€œFertile islandsâ€•beneath three desert vegetation on soil phosphorus fractions, enzymatic activities, and microbial biomass in the desert-oasis transition zone. Catena, 2022, 212, 106090.	5.0	23
16	Nitrogen enrichment buffers phosphorus limitation by mobilizing mineralâ€bound soil phosphorus in grasslands. Ecology, 2022, 103, e3616.	3.2	35
17	Global distribution and drivers of forest biome foliar nitrogen to phosphorus ratios (N:P). Global Ecology and Biogeography, 2022, 31, 861-871.	5.8	17
18	Tropical wood stores substantial amounts of nutrients, but we have limited understanding why. Biotropica, 2022, 54, 596-606.	1.6	8

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19	Intercropping of Leguminous and Non-Leguminous Desert Plant Species Does Not Facilitate Phosphorus Mineralization and Plant Nutrition. Cells, 2022, 11, 998.	4.1	8
20	Tradeoffs and Synergies Across Global Climate Change Adaptations in the Foodâ€Energyâ€Water Nexus. Earth's Future, 2022, 10, .	6.3	7
21	Effects of slag and biochar amendments on microorganisms and fractions of soil organic carbon during flooding in a paddy field after two years in southeastern China. Science of the Total Environment, 2022, 824, 153783.	8.0	12
22	Response of functional traits in Machilus pauhoi to nitrogen addition is influenced by differences of provenances. Forest Ecology and Management, 2022, 513, 120207.	3.2	10
23	Effects of wetland types on dynamics and couplings of labile phosphorus, iron and sulfur in coastal wetlands during growing season. Science of the Total Environment, 2022, 830, 154460.	8.0	10
24	Warming drives sustained plant phosphorus demand in a humid tropical forest. Global Change Biology, 2022, 28, 4085-4096.	9.5	13
25	The amounts and ratio of nitrogen and phosphorus addition drive the rate of litter decomposition in a subtropical forest. Science of the Total Environment, 2022, 833, 155163.	8.0	16
26	Identifying a suitable revegetation method for soil organic carbon, nitrogen, and phosphorus sequestration: A 16â€year in situ experiment on abandoned farmland in a semiarid area of the Loess Plateau, China. Land Degradation and Development, 2022, 33, 2366-2378.	3.9	4
27	The EU needs a nutrient directive. Nature Reviews Earth & Environment, 2022, 3, 287-288.	29.7	7
28	Biogeochemical behavior of P in the soil and porewater of a low-salinity estuarine wetland: Availability, diffusion kinetics, and mobilization mechanism. Water Research, 2022, 219, 118617.	11.3	21
29	Carbon, Nitrogen and Phosphorus Stoichiometry in Natural and Plantation Forests in China. Forests, 2022, 13, 755.	2.1	4
30	More soil organic carbon is sequestered through the mycelium pathway than through the root pathway under nitrogen enrichment in an alpine forest. Global Change Biology, 2022, 28, 4947-4961.	9.5	14
31	Imbalance of global nutrient cycles exacerbated by the greater retention of phosphorus over nitrogen in lakes. Nature Geoscience, 2022, 15, 464-468.	12.9	35
32	Measuring root exudate metabolites in holm oak (Quercus ilex) under drought and recovery. , 2022, , 17-28.		0
33	Atmospheric factors outweigh species traits and soil properties in explaining spatiotemporal variation in water-use efficiency of tropical and subtropical forest species. Agricultural and Forest Meteorology, 2022, 323, 109056.	4.8	1
34	Effects of combined applications of straw with industrial and agricultural wastes on greenhouse gases emissions, temperature sensitivity, and rice yield in a subtropical paddy field. Science of the Total Environment, 2022, 840, 156674.	8.0	4
35	Longâ€Term Patterns of Dissolved Oxygen Dynamics in the Pearl River Estuary. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	9
36	Alhagi sparsifolia: An ideal phreatophyte for combating desertification and land degradation. Science of the Total Environment, 2022, 844, 157228.	8.0	17

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37	Combined slag and biochar amendments to subtropical paddy soils lead to a short-term change of bacteria community structure and rise of soil organic carbon. Applied Soil Ecology, 2022, 179, 104593.	4.3	11
38	Denitrification rates in tidal marsh soils: The roles of soil texture, salinity and nitrogen enrichment. European Journal of Soil Science, 2021, 72, 474-479.	3.9	8
39	Temperature controls growth of Pinus taiwanensis along an elevational gradient. Trees - Structure and Function, 2021, 35, 433-440.	1.9	6
40	Developing holistic models of the structure and function of the soil/plant/atmosphere continuum. Plant and Soil, 2021, 461, 29-42.	3.7	8
41	Effects of crabs on greenhouse gas emissions, soil nutrients, and stoichiometry in a subtropical estuarine wetland. Biology and Fertility of Soils, 2021, 57, 131-144.	4.3	11
42	Phosphorus addition decreases microbial residual contribution to soil organic carbon pool in a tropical coastal forest. Global Change Biology, 2021, 27, 454-466.	9.5	84
43	Interacting effects of urea and water addition on soil mineralâ€bound phosphorus dynamics in semiâ€arid grasslands with different landâ€use history. European Journal of Soil Science, 2021, 72, 946-962.	3.9	15
44	Typhoon-induced increases in porewater nutrient concentrations and CO2 and CH4 emissions associated with salinity and carbon intrusion in a subtropical tidal wetland in China: A mesocosm study. Geoderma, 2021, 384, 114800.	5.1	6
45	Empirical support for the biogeochemical niche hypothesis in forest trees. Nature Ecology and Evolution, 2021, 5, 184-194.	7.8	50
46	Soil Cover Improves Soil Quality in a Young Walnut Forest in the Sichuan Basin, China. Forests, 2021, 12, 236.	2.1	4
47	Potassium Control of Plant Functions: Ecological and Agricultural Implications. Plants, 2021, 10, 419.	3.5	116
48	The Mediterranean Region as a Paradigm of the Global Decoupling of N and P Between Soils and Freshwaters. Global Biogeochemical Cycles, 2021, 35, e2020GB006874.	4.9	9
49	Metabolome-Wide, Phylogenetically Controlled Comparison Indicates Higher Phenolic Diversity in Tropical Tree Species. Plants, 2021, 10, 554.	3.5	1
50	Changes in soil carbon, nitrogen, and phosphorus contents, storages, and stoichiometry during land degradation in jasmine croplands in subtropical China. Experimental Agriculture, 2021, 57, 113-125.	0.9	6
51	Natural abundance of ¹³C and ¹⁵N provides evidence for plantâ€“soil carbon and nitrogen dynamics in a Nâ€fertilized meadow. Ecology, 2021, 102, e03348.	3.2	16
52	Metabolomics and transcriptomics to decipher molecular mechanisms underlying ectomycorrhizal root colonization of an oak tree. Scientific Reports, 2021, 11, 8576.	3.3	16
53	Bryophyte C:N:P stoichiometry, biogeochemical niches and elementome plasticity driven by environment and coexistence. Ecology Letters, 2021, 24, 1375-1386.	6.4	28
54	Nutrients control reproductive traits of hygrophytic bryophytes. Freshwater Biology, 2021, 66, 1436-1446.	2.4	1

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55	Global Change and Forest Disturbances in the Mediterranean Basin: Breakthroughs, Knowledge Gaps, and Recommendations. Forests, 2021, 12, 603.	2.1	49
56	Diffusive CH4 fluxes from aquaculture ponds using floating chambers and thin boundary layer equations. Atmospheric Environment, 2021, 253, 118384.	4.1	7
57	Short-Term N-Fertilization Differently Affects the Leaf and Leaf Litter Chemistry of the Dominant Species in a Mediterranean Forest under Drought Conditions. Forests, 2021, 12, 605.	2.1	6
58	Recent advances and future research in ecological stoichiometry. Perspectives in Plant Ecology, Evolution and Systematics, 2021, 50, 125611.	2.7	57
59	Phosphorus mobilization and availability across the freshwater to oligohaline water transition in subtropical estuarine marshes. Catena, 2021, 201, 105195.	5.0	7
60	Leaf traits from stomata to morphology are associated with climatic and edaphic variables for dominant tropical forest evergreen oaks. Journal of Plant Ecology, 2021, 14, 1115-1127.	2.3	11
61	High foliar K and P resorption efficiencies in oldâ€growth tropical forests growing on nutrientâ€poor soils. Ecology and Evolution, 2021, 11, 8969-8982.	1.9	18
62	Influences of international agricultural trade on the global phosphorus cycle and its associated issues. Global Environmental Change, 2021, 69, 102282.	7.8	16
63	Warming affects soil metabolome: The case study of Icelandic grasslands. European Journal of Soil Biology, 2021, 105, 103317.	3.2	4
64	Recent leveling off of vegetation greenness and primary production reveals the increasing soil water limitations on the greening Earth. Science Bulletin, 2021, 66, 1462-1471.	9.0	46
65	Stability of elemental content correlates with plant resistance to soil impoverishment. Plant and Soil, 2021, 467, 213-226.	3.7	5
66	Faster recovery of soil biodiversity in native species mixture than in Eucalyptus monoculture after 60Âyears afforestation in tropical degraded coastal terraces. Global Change Biology, 2021, 27, 5329-5340.	9.5	17
67	Response of soil nutrient concentrations and stoichiometry, and greenhouse gas carbon emissions linked to change in land-use of paddy fields in China. Catena, 2021, 203, 105326.	5.0	13
68	Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
69	Rice paddy soils are a quantitatively important carbon store according to a global synthesis. Communications Earth & Environment, 2021, 2, .	6.8	71
70	Low-level saltwater intrusion alters soil diazotrophic community structure in a subtropical estuarine wetland. Applied Soil Ecology, 2021, 164, 103959.	4.3	3
71	The effect of global change on soil phosphatase activity. Global Change Biology, 2021, 27, 5989-6003.	9.5	59
72	Carbon limitation overrides acidification in mediating soil microbial activity to nitrogen enrichment in a temperate grassland. Global Change Biology, 2021, 27, 5976-5988.	9.5	55

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73	Phosphorus addition reverses the negative effect of nitrogen addition on soil arthropods during litter decomposition in a subtropical forest. Science of the Total Environment, 2021, 781, 146786.	8.0	12
74	Ecometabolomics of plantâ€“herbivore and plantâ€“fungi interactions: a synthesis study. Ecosphere, 2021, 12, e03736.	2.2	12
75	Response to Comments on â€œRecent global decline of CO ₂ fertilization effects on vegetation photosynthesisâ€• Science, 2021, 373, eabg7484.	12.6	15
76	Implications of mistletoe parasitism for the host metabolome: A new plant identity in the forest canopy. Plant, Cell and Environment, 2021, 44, 3655-3666.	5.7	8
77	Simulated climate change and seasonal drought increase carbon and phosphorus demand in Mediterranean forest soils. Soil Biology and Biochemistry, 2021, 163, 108424.	8.8	12
78	Effects of addition of nitrogen-enriched biochar on bacteria and fungi community structure and C, N, P, and Fe stoichiometry in subtropical paddy soils. European Journal of Soil Biology, 2021, 106, 103351.	3.2	19
79	Effects of nitrogen-enriched biochar on rice growth and yield, iron dynamics, and soil carbon storage and emissions: A tool to improve sustainable rice cultivation. Environmental Pollution, 2021, 287, 117565.	7.5	36
80	Soil phosphorus availability affects diazotroph communities during vegetation succession in lowland subtropical forests. Applied Soil Ecology, 2021, 166, 104009.	4.3	11
81	Climatic and edaphic controls over the elevational pattern of microbial necromass in subtropical forests. Catena, 2021, 207, 105707.	5.0	23
82	Changes in soil enzymatic activity in a P-limited Mediterranean shrubland subject to experimental nitrogen deposition. Applied Soil Ecology, 2021, 168, 104159.	4.3	10
83	Tree Species and Epiphyte Taxa Determine the â€œMetabolomic nicheâ€•of Canopy Suspended Soils in a Species-Rich Lowland Tropical Rainforest. Metabolites, 2021, 11, 718.	2.9	2
84	A systematic global stocktake of evidence on human adaptation to climate change. Nature Climate Change, 2021, 11, 989-1000.	18.8	206
85	Thermal Acclimation of Foliar Carbon Metabolism in Pinus taiwanensis Along an Elevational Gradient. Frontiers in Plant Science, 2021, 12, 778045.	3.6	3
86	Optimal biochar application rates for mitigating global warming and increasing rice yield in a subtropical paddy field. Experimental Agriculture, 2021, 57, 283-299.	0.9	9
87	Optimal biochar application rates for mitigating global warming and increasing rice yield in a subtropical paddy field â€“ ERRATUM. Experimental Agriculture, 2021, 57, 300-300.	0.9	0
88	Coupled steel slag and biochar amendment correlated with higher methanotrophic abundance and lower CH4 emission in subtropical paddies. Environmental Geochemistry and Health, 2020, 42, 483-497.	3.4	8
89	Towards comparable assessment of the soil nutrient status across scalesâ€”Review and development of nutrient metrics. Global Change Biology, 2020, 26, 392-409.	9.5	37
90	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.	5.2	68

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91	Rapid root assimilation of added phosphorus in a lowland tropical rainforest of French Guiana. Soil Biology and Biochemistry, 2020, 140, 107646.	8.8	9
92	Exogenous P compounds differentially interacted with N availability to regulate enzymatic activities in a meadow steppe. European Journal of Soil Science, 2020, 71, 667-680.	3.9	7
93	Greenhouse gas emissions in a subtropical jasmine plantation managed with straw combined with industrial and agricultural wastes. Experimental Agriculture, 2020, 56, 280-292.	0.9	1
94	Anthropogenic global shifts in biospheric N and P concentrations and ratios and their impacts on biodiversity, ecosystem productivity, food security, and human health. Global Change Biology, 2020, 26, 1962-1985.	9.5	138
95	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
96	Encroachment of shrubs into subalpine grasslands in the Pyrenees changes the plant-soil stoichiometry spectrum. Plant and Soil, 2020, 448, 37-53.	3.7	17
97	Shifts in Microbial Biomass C/N/P Stoichiometry and Bacterial Community Composition in Subtropical Estuarine Tidal Marshes Along a Gradient of Freshwaterâ€“Oligohaline Water. Ecosystems, 2020, 23, 1265-1280.	3.4	3
98	A systemic overreaction to years versus decades of warming in a subarctic grassland ecosystem. Nature Ecology and Evolution, 2020, 4, 101-108.	7.8	33
99	Whole soil acidification and base cation reduction across subtropical China. Geoderma, 2020, 361, 114107.	5.1	50
100	Acid rain mediated nitrogen and sulfur deposition alters soil nitrogen, phosphorus and carbon fractions in a subtropical paddy. Catena, 2020, 195, 104876.	5.0	12
101	The role of climate, foliar stoichiometry and plant diversity on ecosystem carbon balance. Global Change Biology, 2020, 26, 7067-7078.	9.5	13
102	Daily CO2 Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. Innovation(China), 2020, 1, 100062.	9.1	25
103	Could Global Intensification of Nitrogen Fertilisation Increase Immunogenic Proteins and Favour the Spread of Coeliac Pathology?. Foods, 2020, 9, 1602.	4.3	9
104	Responses of soil C, N, and P stoichiometric ratios to N and S additions in a subtropical evergreen broad-leaved forest. Geoderma, 2020, 379, 114633.	5.1	15
105	Climatic temperature controls the geographical patterns of coastal marshes greenhouse gases emissions over China. Journal of Hydrology, 2020, 590, 125378.	5.4	10
106	Variations in foliar carbon:nitrogen and nitrogen:phosphorus ratios under global change: a meta-analysis of experimental field studies. Scientific Reports, 2020, 10, 12156.	3.3	22
107	Insights into nanoplastics effects on human health. Science Bulletin, 2020, 65, 1966-1969.	9.0	19
108	Large Spatial Variations in Diffusive CH₄ Fluxes from a Subtropical Coastal Reservoir Affected by Sewage Discharge in Southeast China. Environmental Science & Technology, 2020, 54, 14192-14203.	10.0	26

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109	Carbon storage and plant-soil linkages among soil aggregates as affected by nitrogen enrichment and mowing management in a meadow grassland. Plant and Soil, 2020, 457, 407-420.	3.7	20
110	Country-Level Relationships of the Human Intake of N and P, Animal and Vegetable Food, and Alcoholic Beverages with Cancer and Life Expectancy. International Journal of Environmental Research and Public Health, 2020, 17, 7240.	2.6	7
111	31P-NMR Metabolomics Revealed Species-Specific Use of Phosphorous in Trees of a French Guiana Rainforest. Molecules, 2020, 25, 3960.	3.8	7
112	Recent global decline of CO ₂ fertilization effects on vegetation photosynthesis. Science, 2020, 370, 1295-1300.	12.6	317
113	The Additions of Nitrogen and Sulfur Synergistically Decrease the Release of Carbon and Nitrogen from Litter in a Subtropical Forest. Forests, 2020, 11, 1280.	2.1	9
114	Improvement in municipal wastewater treatment alters lake nitrogen to phosphorus ratios in populated regions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11566-11572.	7.1	141
115	Atmospheric deposition of elements and its relevance for nutrient budgets of tropical forests. Biogeochemistry, 2020, 149, 175-193.	3.5	35
116	Ecometabolomics for a Better Understanding of Plant Responses and Acclimation to Abiotic Factors Linked to Global Change. Metabolites, 2020, 10, 239.	2.9	39
117	Reply to: Nutrient scarcity cannot cause mast seeding. Nature Plants, 2020, 6, 763-765.	9.3	6
118	Long-term drought decreases ecosystem C and nutrient storage in a Mediterranean holm oak forest. Environmental and Experimental Botany, 2020, 177, 104135.	4.2	22
119	Different â€œmetabolomic nichesâ€•of the highly diverse tree species of the French Guiana rainforests. Scientific Reports, 2020, 10, 6937.	3.3	16
120	Effects of seasonal and decadal warming on soil enzymatic activity in a Pâ€deficient Mediterranean shrubland. Global Change Biology, 2020, 26, 3698-3714.	9.5	57
121	Increasing atmospheric CO2 concentrations correlate with declining nutritional status of European forests. Communications Biology, 2020, 3, 125.	4.4	58
122	Steel slag and biochar amendments decreased CO2 emissions by altering soil chemical properties and bacterial community structure over two-year in a subtropical paddy field. Science of the Total Environment, 2020, 740, 140403.	8.0	30
123	Dynamics of phosphorus speciation and the phoD phosphatase gene community in the rhizosphere and bulk soil along an estuarine freshwater-oligohaline gradient. Geoderma, 2020, 365, 114236.	5.1	39
124	Soil properties explain tree growth and mortality, but not biomass, across phosphorus-depleted tropical forests. Scientific Reports, 2020, 10, 2302.	3.3	74
125	Nitrogen reduction processes in paddy soils across climatic gradients: Key controlling factors and environmental implications. Geoderma, 2020, 368, 114275.	5.1	26
126	The shift of phosphorus transfers in global fisheries and aquaculture. Nature Communications, 2020, 11, 355.	12.8	33

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127	Multiple tradeâ€offs between maximizing yield and minimizing greenhouse gas production in Chinese rice croplands. Land Degradation and Development, 2020, 31, 1287-1299.	3.9	12
128	Patterns and environmental drivers of greenhouse gas fluxes in the coastal wetlands of China: A systematic review and synthesis. Environmental Research, 2020, 186, 109576.	7.5	34
129	Higher fluxes of C, N and P in plant/soil cycles associated with plant invasion in a subtropical estuarine wetland in China. Science of the Total Environment, 2020, 730, 139124.	8.0	12
130	Distinct Morphological, Physiological, and Biochemical Responses to Light Quality in Barley Leaves and Roots. Frontiers in Plant Science, 2019, 10, 1026.	3.6	50
131	Dissimilatory Nitrate/Nitrite Reduction Processes in River Sediments Across Climatic Gradient: Influences of Biogeochemical Controls and Climatic Temperature Regime. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2305-2320.	3.0	21
132	The biogeochemical niche shifts of Pinus sylvestris var. mongolica along an environmental gradient. Environmental and Experimental Botany, 2019, 167, 103825.	4.2	14
133	Winter warming is ecologically more relevant than summer warming in a cool-temperate grassland. Scientific Reports, 2019, 9, 14632.	3.3	36
134	Nutrient scarcity strengthens soil fauna control over leaf litter decomposition in tropical rainforests. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191300.	2.6	18
135	Responses of greenhouse-gas emissions to land-use change from rice to jasmine production in subtropical China. Atmospheric Environment, 2019, 201, 391-401.	4.1	13
136	The bioelements, the elementome, and the biogeochemical niche. Ecology, 2019, 100, e02652.	3.2	139
137	Effects of nitrogen loading on emission of carbon gases from estuarine tidal marshes with varying salinity. Science of the Total Environment, 2019, 667, 648-657.	8.0	11
138	Optimal Coupling of Straw and Synthetic Fertilizers Incorporation on Soil Properties, Active Fe Dynamics, and Greenhouse Gas Emission in Jasminum sambac (L.) Field in Southeastern China. Sustainability, 2019, 11, 1092.	3.2	4
139	Pervasive decreases in living vegetation carbon turnover time across forest climate zones. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24662-24667.	7.1	52
140	Nutrient scarcity as a selective pressure for mast seeding. Nature Plants, 2019, 5, 1222-1228.	9.3	53
141	We Are What We Eat: A Stoichiometric and Ecometabolomic Study of Caterpillars Feeding on Two Pine Subspecies of Pinus sylvestris. International Journal of Molecular Sciences, 2019, 20, 59.	4.1	10
142	Global trends in carbon sinks and their relationships with CO2 and temperature. Nature Climate Change, 2019, 9, 73-79.	18.8	163
143	Atmo-ecometabolomics: a novel atmospheric particle chemical characterization methodology for ecological research. Environmental Monitoring and Assessment, 2019, 191, 78.	2.7	7
144	The response of stocks of C, N, and P to plant invasion in the coastal wetlands of China. Global Change Biology, 2019, 25, 733-743.	9.5	72

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145	Responses of forest ecosystems in Europe to decreasing nitrogen deposition. Environmental Pollution, 2019, 244, 980-994.	7.5	132
146	Effects of steel slag and biochar amendments on CO2, CH4, and N2O flux, and rice productivity in a subtropical Chinese paddy field. Environmental Geochemistry and Health, 2019, 41, 1419-1431.	3.4	24
147	EFFECTS OF FERTILIZATION ON POREWATER NUTRIENTS, GREENHOUSE-GAS EMISSIONS AND RICE PRODUCTIVITY IN A SUBTROPICAL PADDY FIELD. Experimental Agriculture, 2019, 55, 395-411.	0.9	4
148	Spatial Pattern and Environmental Drivers of Acid Phosphatase Activity in Europe. Frontiers in Big Data, 2019, 2, 51.	2.9	11
149	Higher capability of C3 than C4 plants to use nitrogen inferred from nitrogen stable isotopes along an aridity gradient. Plant and Soil, 2018, 428, 93-103.	3.7	17
150	Afforestation neutralizes soil pH. Nature Communications, 2018, 9, 520.	12.8	140
151	Soil Methane Production, Anaerobic and Aerobic Oxidation in Porewater of Wetland Soils of the Minjiang River Estuarine, China. Wetlands, 2018, 38, 627-640.	1.5	24
152	Coping with iron limitation: a metabolomic study of SynechocystisÂsp. PCC 6803. Acta Physiologiae Plantarum, 2018, 40, 1.	2.1	7
153	Foliar C, N, and P stoichiometry characterize successful plant ecological strategies in the Sonoran Desert. Plant Ecology, 2018, 219, 775-788.	1.6	47
154	Storage and release of nutrients during litter decomposition for native and invasive species under different flooding intensities in a Chinese wetland. Aquatic Botany, 2018, 149, 5-16.	1.6	14
155	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.	4.2	96
156	INDUSTRIAL AND AGRICULTURAL WASTES DECREASED GREENHOUSE-GAS EMISSIONS AND INCREASED RICE GRAIN YIELD IN A SUBTROPICAL PADDY FIELD. Experimental Agriculture, 2018, 54, 623-640.	0.9	15
157	STEEL SLAG AMENDMENT INCREASES NUTRIENT AVAILABILITY AND RICE YIELD IN A SUBTROPICAL PADDY FIELD IN CHINA. Experimental Agriculture, 2018, 54, 842-856.	0.9	8
158	Global traitâ€“environment relationships of plant communities. Nature Ecology and Evolution, 2018, 2, 1906-1917.	7.8	397
159	GOLUM-CNP v1.0: a data-driven modeling of carbon, nitrogen and phosphorus cycles in major terrestrial biomes. Geoscientific Model Development, 2018, 11, 3903-3928.	3.6	32
160	Shifts in plant and soil C, N and P accumulation and C:N:P stoichiometry associated with flooding intensity in subtropical estuarine wetlands in China. Estuarine, Coastal and Shelf Science, 2018, 215, 172-184.	2.1	20
161	Effect of simulated acid rain on CO2, CH4 and N2O fluxes and rice productivity in a subtropical Chinese paddy field. Environmental Pollution, 2018, 243, 1196-1205.	7.5	25
162	Using research networks to create the comprehensive datasets needed to assess nutrient availability as a key determinant of terrestrial carbon cycling. Environmental Research Letters, 2018, 13, 125006.	5.2	36

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163	Remote sensing of canopy nitrogen at regional scale in Mediterranean forests using the spaceborne MERIS Terrestrial Chlorophyll Index. Biogeosciences, 2018, 15, 2723-2742.	3.3	11
164	Effects of extreme drought on plant nutrient uptake and resorption in rhizomatous vs bunchgrass-dominated grasslands. Oecologia, 2018, 188, 633-643.	2.0	35
165	Trophic transfer from aquatic to terrestrial ecosystems: a test of the biogeochemical niche hypothesis. Ecosphere, 2018, 9, e02338.	2.2	17
166	Species-Specific Impacts of Invasive Plant Success on Vertical Profiles of Soil Carbon Accumulation and Nutrient Retention in the Minjiang River Tidal Estuarine Wetlands of China. Soil Systems, 2018, 2, 5.	2.6	10
167	Revisiting the role of highâ€energy Pacific events in the environmental and cultural history of Easter Island (Rapa Nui). Geographical Journal, 2018, 184, 310-322.	3.1	14
168	Root exudate metabolomes change under drought and show limited capacity for recovery. Scientific Reports, 2018, 8, 12696.	3.3	231
169	Stoichiometry patterns of plant organ N and P in coastal herbaceous wetlands along the East China Sea: implications for biogeochemical niche. Plant and Soil, 2018, 431, 273-288.	3.7	46
170	QMEC: a tool for high-throughput quantitative assessment of microbial functional potential in C, N, P, and S biogeochemical cycling. Science China Life Sciences, 2018, 61, 1451-1462.	4.9	181
171	Global and regional phosphorus budgets in agricultural systems and their implications for phosphorus-use efficiency. Earth System Science Data, 2018, 10, 1-18.	9.9	106
172	Plant invasion is associated with higher plantâ€“soil nutrient concentrations in nutrientâ€poor environments. Global Change Biology, 2017, 23, 1282-1291.	9.5	147
173	Changes in nutrient concentrations of leaves and roots in response to global change factors. Global Change Biology, 2017, 23, 3849-3856.	9.5	174
174	Nutrient-cycling mechanisms other than the direct absorption from soil may control forest structure and dynamics in poor Amazonian soils. Scientific Reports, 2017, 7, 45017.	3.3	76
175	Global patterns of phosphatase activity in natural soils. Scientific Reports, 2017, 7, 1337.	3.3	296
176	Relationships between the potential production of the greenhouse gases CO2, CH4 and N2O and soil concentrations of C, N and P across 26 paddy fields in southeastern China. Atmospheric Environment, 2017, 164, 458-467.	4.1	37
177	Global forest carbon uptake due to nitrogen and phosphorus deposition from 1850 to 2100. Global Change Biology, 2017, 23, 4854-4872.	9.5	158
178	Plant community composition affects the species biogeochemical niche. Ecosphere, 2017, 8, e01801.	2.2	42
179	Shifting from a fertilization-dominated to a warming-dominated period. Nature Ecology and Evolution, 2017, 1, 1438-1445.	7.8	167
180	Atmospheric deposition, CO2, and change in the land carbon sink. Scientific Reports, 2017, 7, 9632.	3.3	62

#	Article	IF	Citations
181	Carbon and nitrogen allocation shifts in plants and soils along aridity and fertility gradients in grasslands of China. Ecology and Evolution, 2017, 7, 6927-6934.	1.9	41
182	Close and distant: Contrasting the metabolism of two closely related subspecies of Scots pine under the effects of folivory and summer drought. Ecology and Evolution, 2017, 7, 8976-8988.	1.9	20
183	Oak protein profile alterations upon root colonization by an ectomycorrhizal fungus. Mycorrhiza, 2017, 27, 109-128.	2.8	25
184	Increasing gap in human height between rich and poor countries associated to their different intakes of N and P. Scientific Reports, 2017, 7, 17671.	3.3	13
185	Experimental and observational studies find contrasting responses of soil nutrients to climate change. ELife, 2017, 6, .	6.0	79
186	A representation of the phosphorus cycle for ORCHIDEE (revisionÂ4520). Geoscientific Model Development, 2017, 10, 3745-3770.	3.6	122
187	Impact of Soil Warming on the Plant Metabolome of Icelandic Grasslands. Metabolites, 2017, 7, 44.	2.9	12
188	Straw Application Strategy to Optimize Nutrient Release in a Southeastern China Rice Cropland. Agronomy, 2017, 7, 84.	3.0	14
189	Impacts of Global Change on Mediterranean Forests and Their Services. Forests, 2017, 8, 463.	2.1	98
190	Factors Related with CH4 and N2O Emissions from a Paddy Field: Clues for Management implications. PLoS ONE, 2017, 12, e0169254.	2.5	57
191	Long-term fertilization determines different metabolomic profiles and responses in saplings of three rainforest tree species with different adult canopy position. PLoS ONE, 2017, 12, e0177030.	2.5	11
192	Possible pathways for balancing CO2 emissions and sinks as agreed in Paris COP21. Ecosistemas, 2017, 26, 103-105.	0.4	1
193	Trends in soil solution dissolved organic carbon (DOC) concentrations across European forests. Biogeosciences, 2016, 13, 5567-5585.	3.3	23
194	Organic Cultivation of Jasmine and Tea Increases Carbon Sequestration by Changing Plant and Soil Stoichiometry. Agronomy Journal, 2016, 108, 1636-1648.	1.8	20
195	Are the metabolomic responses to folivory of closely related plant species linked to macroevolutionary and plantâ€“folivore coevolutionary processes?. Ecology and Evolution, 2016, 6, 4372-4386.	1.9	15
196	Similar local, but different systemic, metabolomic responses of closely related pine subspecies to folivory by caterpillars of the processionary moth. Plant Biology, 2016, 18, 484-494.	3.8	18
197	Shifts in plant foliar and floral metabolomes in response to the suppression of the associated microbiota. BMC Plant Biology, 2016, 16, 78.	3.6	40
198	Topsoil depth substantially influences the responses to drought of the foliar metabolomes of Mediterranean forests. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 21, 41-54.	2.7	30

#	Article	IF	Citations
199	Phosphorus accumulates faster than nitrogen globally in freshwater ecosystems under anthropogenic impacts. Ecology Letters, 2016, 19, 1237-1246.	6.4	129
200	Amendment with industrial and agricultural wastes reduces surface-water nutrient loss and storage of dissolved greenhouse gases in a subtropical paddy field. Agriculture, Ecosystems and Environment, 2016, 231, 296-303.	5.3	17
201	Foliar and soil concentrations and stoichiometry of nitrogen and phosphorous across <scp>E</scp>uropean <scp>P</scp>inus sylvestris forests: relationships with climate, <scp>N</scp> deposition and tree growth. Functional Ecology, 2016, 30, 676-689.	3.6	99
202	Thresholds in decoupled soil-plant elements under changing climatic conditions. Plant and Soil, 2016, 409, 159-173.	3.7	30
203	Longâ€term nitrogen deposition linked to reduced water use efficiency in forests with low phosphorus availability. New Phytologist, 2016, 210, 431-442.	7.3	85
204	Impact of Plant Invasion and Increasing Floods on Total Soil Phosphorus and its Fractions in the Minjiang River Estuarine Wetlands, China. Wetlands, 2016, 36, 21-36.	1.5	18
205	Factors influencing the foliar elemental composition and stoichiometry in forest trees in Spain. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 18, 52-69.	2.7	55
206	Typhoon enhancement of N and P release from litter and changes in the litter N:P ratio in a subtropical tidal wetland. Environmental Research Letters, 2016, 11, 014003.	5.2	17
207	Flood regime affects soil stoichiometry and the distribution of the invasive plants in subtropical estuarine wetlands in China. Catena, 2015, 128, 144-154.	5.0	43
208	Reassessing global change research priorities in mediterranean terrestrial ecosystems: how far have we come and where do we go from here?. Global Ecology and Biogeography, 2015, 24, 25-43.	5.8	111
209	Morphological, biochemical and physiological traits of upper and lower canopy leaves of European beech tend to converge with increasing altitude. Tree Physiology, 2015, 35, 47-60.	3.1	35
210	Potassium: a neglected nutrient in global change. Global Ecology and Biogeography, 2015, 24, 261-275.	5.8	354
211	Agricultural land use decouples soil nutrient cycles in a subtropical riparian wetland in China. Catena, 2015, 133, 171-178.	5.0	35
212	Rice straw incorporation affects global warming potential differently in early vs. late cropping seasons in Southeastern China. Field Crops Research, 2015, 181, 42-51.	5.1	43
213	The application of ecological stoichiometry to plantâ€“microbialâ€“soil organic matter transformations. Ecological Monographs, 2015, 85, 133-155.	5.4	735
214	Ecological stoichiometry of C, N, and P of invasive Phragmites australis and native Cyperus malaccensis species in the Minjiang River tidal estuarine wetlands of China. Plant Ecology, 2015, 216, 809-822.	1.6	61
215	Warming differentially influences the effects of drought on stoichiometry and metabolomics in shoots and roots. New Phytologist, 2015, 207, 591-603.	7.3	109
216	Plant invasive success associated with higher N-use efficiency and stoichiometric shifts in the soilâ€“plant system in the Minjiang River tidal estuarine wetlands of China. Wetlands Ecology and Management, 2015, 23, 865-880.	1.5	27

#	Article	IF	Citations
217	Reply to 'Uncertain effects of nutrient availability on global forest carbon balance' and 'Data quality and the role of nutrients in forest carbon-use efficiency'. Nature Climate Change, 2015, 5, 960-961.	18.8	2
218	Differences in photosynthesis and terpene content in leaves and roots of wild-type and transgenic Arabidopsis thaliana plants. Russian Journal of Plant Physiology, 2015, 62, 823-829.	1.1	3
219	Effects of steel slag application on greenhouse gas emissions and crop yield over multiple growing seasons in a subtropical paddy field in China. Field Crops Research, 2015, 171, 146-156.	5.1	74
220	Foliar elemental composition of <scp>E</scp>uropean forest tree species associated with evolutionary traits and present environmental and competitive conditions. Global Ecology and Biogeography, 2015, 24, 240-255.	5.8	100
221	Trees increase their <scp>P</scp>:<scp>N</scp> ratio with size. Global Ecology and Biogeography, 2015, 24, 147-156.	5.8	46
222	Shifts in the elemental composition of plants during a very severe drought. Environmental and Experimental Botany, 2015, 111, 63-73.	4.2	50
223	Global biodiversity, stoichiometry and ecosystem function responses to human-induced Câ€“Nâ€“P imbalances. Journal of Plant Physiology, 2015, 172, 82-91.	3.5	57
224	A tethered-balloon PTRMS sampling approach for surveying of landscape-scale biogenic VOC fluxes. Atmospheric Measurement Techniques, 2014, 7, 2263-2271.	3.1	7
225	Nutrient availability as the key regulator of global forest carbon balance. Nature Climate Change, 2014, 4, 471-476.	18.8	383
226	Exploring continentalâ€scale stand health â€“ <scp>N</scp>Â:Â<scp>P</scp> ratio relationships for <scp>E</scp>uropean forests. New Phytologist, 2014, 202, 422-430.	7.3	30
227	Soil enzymes associated with carbon and nitrogen cycling in invaded and native secondary forests of northwestern Argentina. Plant and Soil, 2014, 384, 169-183.	3.7	24
228	Climate and taxonomy underlie different elemental concentrations and stoichiometries of forest species: the optimum â€œbiogeochemical nicheâ€• Plant Ecology, 2014, 215, 441-455.	1.6	54
229	Metabolic responses of <scp>Q</scp>uercus ilex seedlings to wounding analysed with nuclear magnetic resonance profiling. Plant Biology, 2014, 16, 395-403.	3.8	44
230	Hydraulic redistribution by plants and nutrient stoichiometry: Shifts under global change. Ecohydrology, 2014, 7, 1-20.	2.4	59
231	Physiological and antioxidant responses ofQuercus ilexto drought in two different seasons. Plant Biosystems, 2014, 148, 268-278.	1.6	22
232	Drought enhances folivory by shifting foliar metabolomes in <scp>Q</scp>uercus ilex trees. New Phytologist, 2014, 202, 874-885.	7.3	81
233	Responses of soil nutrient concentrations and stoichiometry to different human land uses in a subtropical tidal wetland. Geoderma, 2014, 232-234, 459-470.	5.1	114
234	Spatial variability and controls over biomass stocks, carbon fluxes, and resource-use efficiencies across forest ecosystems. Trees - Structure and Function, 2014, 28, 597-611.	1.9	62

#	Article	IF	Citations
235	Strong functional stability of soil microbial communities under semiarid Mediterranean conditions and subjected to long-term shifts in baseline precipitation. Soil Biology and Biochemistry, 2014, 69, 223-233.	8.8	121
236	A screening study of leaf terpene emissions of 43 rainforest species in Danum Valley Conservation Area (Borneo) and their relationships with chemical and morphological leaf traits. Plant Biosystems, 2014, 148, 307-317.	1.6	13
237	Removal of floral microbiota reduces floral terpene emissions. Scientific Reports, 2014, 4, 6727.	3.3	73
238	Opposite metabolic responses of shoots and roots to drought. Scientific Reports, 2014, 4, 6829.	3.3	170
239	Absence of soil frost affects plant-soil interactions in temperate grasslands. Plant and Soil, 2013, 371, 559-572.	3.7	17
240	Plant-soil interactions in Mediterranean forest and shrublands: impacts of climatic change. Plant and Soil, 2013, 365, 1-33.	3.7	213
241	Tree growth changes with climate and forest type are associated with relative allocation of nutrients, especially phosphorus, to leaves and wood. Global Ecology and Biogeography, 2013, 22, 494-507.	5.8	105
242	Human-induced nitrogenâ€“phosphorus imbalances alter natural and managed ecosystems across the globe. Nature Communications, 2013, 4, 2934.	12.8	1,013
243	Evidence of current impact of climate change on life: a walk from genes to the biosphere. Global Change Biology, 2013, 19, 2303-2338.	9.5	316
244	Field-simulated droughts affect elemental leaf stoichiometry in Mediterranean forests and shrublands. Acta Oecologica, 2013, 50, 20-31.	1.1	34
245	Foliar chemistry and standing folivory of early and late-successional species in a Bornean rainforest. Plant Ecology and Diversity, 2013, 6, 245-256.	2.4	11
246	Identifying the origin of atmospheric inputs of trace elements in the Prades Mountains (Catalonia) with bryophytes, lichens, and soil monitoring. Environmental Monitoring and Assessment, 2013, 185, 615-629.	2.7	25
247	Intensive measurements of gas, water, and energy exchange between vegetation and troposphere during the MONTES campaign in a vegetation gradient from short semi-desertic shrublands to tall wet temperate forests in the NW Mediterranean Basin. Atmospheric Environment, 2013, 75, 348-364.	4.1	9
248	Connecting the Green and Brown Worlds. Advances in Ecological Research, 2013, 49, 69-175.	2.7	84
249	Ecometabolomics: optimized <scp>NMR</scp>â€based method. Methods in Ecology and Evolution, 2013, 4, 464-473.	5.2	46
250	The Role of Plants in the Effects of Global Change on Nutrient Availability and Stoichiometry in the Plant-Soil System Â. Plant Physiology, 2012, 160, 1741-1761.	4.8	279
251	Stoichiometry of potassium is largely determined by water availability and growth in <scp>C</scp>atalonian forests. Functional Ecology, 2012, 26, 1077-1089.	3.6	68
252	Strong relationship between elemental stoichiometry and metabolome in plants. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4181-4186.	7.1	221

#	Article	IF	Citations
253	The elemental stoichiometry of aquatic and terrestrial ecosystems and its relationships with organismic lifestyle and ecosystem structure and function: a review and perspectives. Biogeochemistry, 2012, 111, 1-39.	3.5	303
254	The C:N:P stoichiometry of organisms and ecosystems in a changing world: A review and perspectives. Perspectives in Plant Ecology, Evolution and Systematics, 2012, 14, 33-47.	2.7	509
255	Urgent need for a common metric to make precipitation manipulation experiments comparable. New Phytologist, 2012, 195, 518-522.	7.3	97
256	Physiological and antioxidant responses of Erica multiflora to drought and warming through different seasons. Plant Ecology, 2012, 213, 649-661.	1.6	12
257	The humanâ€induced imbalance between C, N and P in Earth's life system. Global Change Biology, 2012, 18, 3-6.	9.5	458
258	Higher plasticity in ecophysiological traits enhances the performance and invasion success of Taraxacum officinale (dandelion) in alpine environments. Biological Invasions, 2012, 14, 21-33.	2.4	71
259	Electrothermal Atomic Absorption Spectrometry to Determine As, Cd, Cr, Cu, Hg, and Pb in Soils and Sediments: A Review and Perspectives. Soil and Sediment Contamination, 2011, 20, 447-491.	1.9	37
260	Factors affecting nutrient concentration and stoichiometry of forest trees in Catalonia (NE Spain). Forest Ecology and Management, 2011, 262, 2024-2034.	3.2	118
261	Lower P contents and more widespread terpene presence in old Bornean than in young Hawaiian tropical plant species guilds. Ecosphere, 2011, 2, art45.	2.2	14
262	Drought-resistant fungi control soil organic matter decomposition and its response to temperature. Global Change Biology, 2011, 17, 1475-1486.	9.5	335
263	TRY â€“ a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	9.5	2,002
264	Ecological metabolomics: overview of current developments and future challenges. Chemoecology, 2011, 21, 191-225.	1.1	204
265	Faster returns on â€˜leaf economicsâ€™ and different biogeochemical niche in invasive compared with native plant species. Global Change Biology, 2010, 16, 2171-2185.	9.5	157
266	Determination of As, Cd, Cu, Hg and Pb in biological samples by modern electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 97-112.	2.9	136
267	Foliar Mono- and Sesquiterpene Contents in Relation to Leaf Economic Spectrum in Native and Alien Species in Oahu (Hawaiâ€™i). Journal of Chemical Ecology, 2010, 36, 210-226.	1.8	15
268	Higher Allocation to Low Cost Chemical Defenses in Invasive Species of Hawaii. Journal of Chemical Ecology, 2010, 36, 1255-1270.	1.8	40
269	Changes in water content and distribution in Quercus ilex leaves during progressive drought assessed by in vivo 1H magnetic resonance imaging.. BMC Plant Biology, 2010, 10, 188.	3.6	20
270	Measurement of volatile terpene emissions in 70 dominant vascular plant species in Hawaii: aliens emit more than natives. Global Ecology and Biogeography, 2010, 19, 863-874.	5.8	40

#	Article	IF	Citations
271	Soil Enzyme Activity in a Mediterranean Forest after Six Years of Drought. Soil Science Society of America Journal, 2010, 74, 838-851.	2.2	64
272	Drought, warming and soil fertilization effects on leaf volatile terpene concentrations in Pinus halepensis and Quercus ilex. Acta Physiologiae Plantarum, 2009, 31, 207-218.	2.1	105
273	Elementary factors. Nature, 2009, 460, 803-804.	27.8	65
274	Ecological metabolomics. Chemistry and Ecology, 2009, 25, 305-309.	1.6	56
275	Increased eutrophication and nutrient imbalances in the agricultural soil of NE Catalonia, Spain. Journal of Environmental Biology, 2009, 30, 841-6.	0.5	23
276	Droughtâ€™s impact on Ca, Fe, Mg, Mo and S concentration and accumulation patterns in the plants and soil of a Mediterranean evergreen Quercus ilex forest. Biogeochemistry, 2008, 87, 49-69.	3.5	72
277	Drought and warming induced changes in P and K concentration and accumulation in plant biomass and soil in a Mediterranean shrubland. Plant and Soil, 2008, 306, 261-271.	3.7	87
278	Warming and drought alter C and N concentration, allocation and accumulation in a Mediterranean shrubland. Global Change Biology, 2008, 14, 2304-2316.	9.5	158
279	Warming and drought alter C and N concentration, allocation and accumulation in a Mediterranean shrubland. Global Change Biology, 2008, 14, 2771-2771.	9.5	1
280	Changes in soil enzymes related to C and N cycle and in soil C and N content under prolonged warming and drought in a Mediterranean shrubland. Applied Soil Ecology, 2008, 39, 223-235.	4.3	298
281	Experimental drought reduced acid and alkaline phosphatase activity and increased organic extractable P in soil in a Quercus ilex Mediterranean forest. European Journal of Soil Biology, 2008, 44, 509-520.	3.2	76
282	Warming and drought change trace element bioaccumulation patterns in a Mediterranean shrubland. Chemosphere, 2008, 70, 874-885.	8.2	37
283	Changes in Ca, Fe, Mg, Mo, Na, and S content in a Mediterranean shrubland under warming and drought. Journal of Geophysical Research, 2008, 113, .	3.3	35
284	Drought changes nutrient sources, content and stoichiometry in the bryophyteHypnum cupressiformeHedw. growing in a Mediterranean forest. Journal of Bryology, 2008, 30, 59-65.	1.2	36
285	Root-surface phosphatase activity in shrublands across a European gradient: effects of warming. Journal of Environmental Biology, 2008, 29, 25-9.	0.5	9
286	Drought changes the dynamics of trace element accumulation in a Mediterranean Quercus ilex forest. Environmental Pollution, 2007, 147, 567-583.	7.5	36
287	Drought changes phosphorus and potassium accumulation patterns in an evergreen Mediterranean forest. Functional Ecology, 2007, 21, 191-201.	3.6	150
288	Seasonal patterns of root-surface phosphatase activities in a Mediterranean shrubland. Responses to experimental warming and drought. Biology and Fertility of Soils, 2007, 43, 779-786.	4.3	41

#	Article	IF	Citations
289	Plasticity of leaf morphological traits, leaf nutrient content, and water capture in the Mediterranean evergreen oakQuercus ilexsubsp.ballotain response to fertilization and changes in competitive conditions. Ecoscience, 2006, 13, 258-270.	1.4	77
290	The effects ofÂnutrient availability andÂremoval ofÂcompeting vegetation onÂresprouter capacity andÂnutrient accumulation inÂtheÂshrub EricaÂmultiflora. Acta Oecologica, 2006, 29, 221-232.	1.1	19
291	Warming and drought alter soil phosphatase activity and soil P availability in a Mediterranean shrubland. Plant and Soil, 2006, 289, 227-238.	3.7	180
292	Introduction of the Factor of Partitioning in the Lithogenic Enrichment Factors of Trace Element Bioaccumulation in Plant Tissues. Environmental Monitoring and Assessment, 2006, 115, 473-498.	2.7	24
293	Lonicera Implexa Leaves Bearing Naturally Laid Eggs of the Specialist Herbivore Euphydryas Aurinia have Dramatically Greater Concentrations of Iridoid Glycosides than other Leaves. Journal of Chemical Ecology, 2006, 32, 1925-1933.	1.8	30
294	Effects of a nutrient pulse supply on nutrient status of the Mediterranean trees Quercus ilex subsp. ballota and Pinus halepensis on different soils and under different competitive pressure. Trees - Structure and Function, 2006, 20, 619-632.	1.9	59
295	Females of the specialist butterfly Euphydryas aurinia (Lepidoptera: Nymphalinae: Melitaeini) select the greenest leaves of Lonicera implexa (Caprifoliaceae) for oviposition. European Journal of Entomology, 2006, 103, 569-574.	1.2	20
296	Effects of water and a nutrient pulse supply on Rosmarinus officinalis growth, nutrient content and flowering in the field. Environmental and Experimental Botany, 2005, 53, 1-11.	4.2	44
297	Drought decreases soil enzyme activity in a Mediterranean Quercus ilex L. forest. Soil Biology and Biochemistry, 2005, 37, 455-461.	8.8	414
298	Changes in nutrient use efficiency, status and retranslocation in young post-fire regeneration Pinus halepensis in response to sudden N and P input, irrigation and removal of competing vegetation. Trees - Structure and Function, 2005, 19, 233-250.	1.9	49
299	Trace element accumulation in the moss Hypnum cupressiforme Hedw. and the trees Quercus ilex L. and Pinus halepensis Mill. in Catalonia. Chemosphere, 2005, 60, 1293-1307.	8.2	78
300	Phosphorus limitation and competitive capacities of Pinus halepensis and Quercus ilex subsp. rotundifolia on different soils. Plant Ecology, 2004, 174, 307-319.	1.6	89
301	Increasing drought decreases phosphorus availability in an evergreen Mediterranean forest. Plant and Soil, 2004, 267, 367-377.	3.7	127
302	Plant competition in mediterraneanâ€type vegetation. Journal of Vegetation Science, 1999, 10, 281-294.	2.2	102
303	Longâ€term irrigation reduces soil carbon sequestration by affecting soil microbial communities in agricultural ecosystems of northern China. European Journal of Soil Science, 0, , .	3.9	2