Jordi Sardans

List of Publications by Year in Descending Order

287 papers	13,689 citations	59 h-index	110 g-index
309 ext. papers	17,878 ext. citations	6.6 avg, IF	6.75 L-index

#	Paper	IF	Citations
287	The global nitrogen-phosphorus imbalance.. *Science*, **2022**, 375, 266-267	33.3	3
286	Functional Traits 2.0: The power of the metabolome for ecology. *Journal of Ecology*, **2022**, 110, 4-20	6	5
285	Nitrous oxide emissions from subtropical estuaries: Insights for environmental controls and implications.. *Water Research*, **2022**, 212, 118110	12.5	2
284	Fertile islands beneath three desert vegetation on soil phosphorus fractions, enzymatic activities, and microbial biomass in the desert-oasis transition zone. *Catena*, **2022**, 212, 106090	5.8	0
283	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	10.5	0
282	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	7.5	0
281	Global maps and factors driving forest foliar elemental composition: the importance of evolutionary history. *New Phytologist*, **2022**, 233, 169-181	9.8	3
280	Effect of soil degradation on the carbon concentration and retention of nitrogen and phosphorus across Chinese rice paddy fields. *Catena*, **2022**, 209, 105810	5.8	1
279	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	6.7	3
278	Contrasting nitrogen and phosphorus fertilization effects on soil terpene exchanges in a tropical forest. *Science of the Total Environment*, **2022**, 802, 149769	10.2	
277	Global distribution and drivers of forest biome foliar nitrogen to phosphorus ratios (N:P). *Global Ecology and Biogeography*, **2022**, 31, 861-871	6.1	1
276	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	10.2	1
275	Response of functional traits in Machilus pauhoi to nitrogen addition is influenced by differences of provenances. *Forest Ecology and Management*, **2022**, 513, 120207	3.9	0
274	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**, 154460	10.2	1
273	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**, 155163	10.2	0
272	The EU needs a nutrient directive. *Nature Reviews Earth & Environment*, **2022**, 3, 287-288	30.2	0
271	Biogeochemical behavior of P in the soil and porewater of a low-salinity estuarine wetland: Availability, diffusion kinetics, and mobilization mechanism. *Water Research*, **2022**, 118617	12.5	0

270	Carbon, Nitrogen and Phosphorus Stoichiometry in Natural and Plantation Forests in China. *Forests*, **2022**, 13, 755	2.8	0
269	Measuring root exudate metabolites in holm oak (Quercus ilex) under drought and recovery **2022**, 17-28		
268	Thermal Acclimation of Foliar Carbon Metabolism in Along an Elevational Gradient.. *Frontiers in Plant Science*, **2021**, 12, 778045	6.2	
267	Nitrogen enrichment buffers phosphorus limitation by mobilizing mineral-bound soil phosphorus in grasslands.. *Ecology*, **2021**, e3616	4.6	1
266	Decay of similarity across tropical forest communities: integrating spatial distance with soil nutrients. *Ecology*, **2021**, e03599	4.6	1
265	Is the climate change mitigation effect of enhanced silicate weathering governed by biological processes?. *Global Change Biology*, **2021**,	11.4	1
264	Natural forests promote phosphorus retention in soil. *Global Change Biology*, **2021**,	11.4	2
263	A systematic global stocktake of evidence on human adaptation to climate change. *Nature Climate Change*, **2021**, 11, 989-1000	21.4	34
262	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	1.7	2
261	Natural abundance of C and N provides evidence for plant-soil carbon and nitrogen dynamics in a N-fertilized meadow. *Ecology*, **2021**, 102, e03348	4.6	1
260	Metabolomics and transcriptomics to decipher molecular mechanisms underlying ectomycorrhizal root colonization of an oak tree. *Scientific Reports*, **2021**, 11, 8576	4.9	1
259	Bryophyte C:N:P stoichiometry, biogeochemical niches and elementome plasticity driven by environment and coexistence. *Ecology Letters*, **2021**, 24, 1375-1386	10	6
258	Nutrients control reproductive traits of hygrophytic bryophytes. *Freshwater Biology*, **2021**, 66, 1436-1446	3.1	1
257	Global Change and Forest Disturbances in the Mediterranean Basin: Breakthroughs, Knowledge Gaps, and Recommendations. *Forests*, **2021**, 12, 603	2.8	17
256	Diffusive CH4 fluxes from aquaculture ponds using floating chambers and thin boundary layer equations. *Atmospheric Environment*, **2021**, 253, 118384	5.3	2
255	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	2.8	0
254	Recent advances and future research in ecological stoichiometry. *Perspectives in Plant Ecology, Evolution and Systematics*, **2021**, 50, 125611	3	10
253	Phosphorus mobilization and availability across the freshwater to oligohaline water transition in subtropical estuarine marshes. *Catena*, **2021**, 201, 105195	5.8	2

252	High foliar K and P resorption efficiencies in old-growth tropical forests growing on nutrient-poor soils. *Ecology and Evolution*, **2021**, 11, 8969-8982	2.8	4
251	Influences of international agricultural trade on the global phosphorus cycle and its associated issues. *Global Environmental Change*, **2021**, 69, 102282	10.1	2
250	Warming affects soil metabolome: The case study of Icelandic grasslands. *European Journal of Soil Biology*, **2021**, 105, 103317	2.9	
249	Denitrification rates in tidal marsh soils: The roles of soil texture, salinity and nitrogen enrichment. *European Journal of Soil Science*, **2021**, 72, 474-479	3.4	3
248	Temperature controls growth of Pinus taiwanensis along an elevational gradient. *Trees - Structure and Function*, **2021**, 35, 433-440	2.6	3
247	Developing holistic models of the structure and function of the soil/plant/atmosphere continuum. *Plant and Soil*, **2021**, 461, 29-42	4.2	4
246	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	6.1	4
245	Phosphorus addition decreases microbial residual contribution to soil organic carbon pool in a tropical coastal forest. *Global Change Biology*, **2021**, 27, 454-466	11.4	21
244	Interacting effects of urea and water addition on soil mineral-bound phosphorus dynamics in semi-arid grasslands with different land-use history. *European Journal of Soil Science*, **2021**, 72, 946-962	3.4	5
243	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	6.7	0
242	Empirical support for the biogeochemical niche hypothesis in forest trees. *Nature Ecology and Evolution*, **2021**, 5, 184-194	12.3	14
241	Soil Cover Improves Soil Quality in a Young Walnut Forest in the Sichuan Basin, China. *Forests*, **2021**, 12, 236	2.8	3
240	Potassium Control of Plant Functions: Ecological and Agricultural Implications. *Plants*, **2021**, 10,	4.5	30
239	The Mediterranean Region as a Paradigm of the Global Decoupling of N and P Between Soils and Freshwaters. *Global Biogeochemical Cycles*, **2021**, 35, e2020GB006874	5.9	2
238	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	10.6	6
237	Stability of elemental content correlates with plant resistance to soil impoverishment. *Plant and Soil*, **2021**, 467, 213	4.2	1
236	Faster recovery of soil biodiversity in native species mixture than in Eucalyptus monoculture after 60´years afforestation in tropical degraded coastal terraces. *Global Change Biology*, **2021**, 27, 5329-5340	11.4	1
235	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	5.8	3

234	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,	11.5	4
233	Rice paddy soils are a quantitatively important carbon store according to a global synthesis. *Communications Earth & Environment*, **2021**, 2,	6.1	11
232	Low-level saltwater intrusion alters soil diazotrophic community structure in a subtropical estuarine wetland. *Applied Soil Ecology*, **2021**, 164, 103959	5	0
231	The effect of global change on soil phosphatase activity. *Global Change Biology*, **2021**, 27, 5989-6003	11.4	8
230	Carbon limitation overrides acidification in mediating soil microbial activity to nitrogen enrichment in a temperate grassland. *Global Change Biology*, **2021**, 27, 5976-5988	11.4	3
229	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	10.2	3
228	Ecometabolomics of plant–herbivore and plant–fungi interactions: a synthesis study. *Ecosphere*, **2021**, 12, e03736	3.1	3
227	Response to Comments on "Recent global decline of CO fertilization effects on vegetation photosynthesis". *Science*, **2021**, 373, eabg7484	33.3	2
226	Implications of mistletoe parasitism for the host metabolome: A new plant identity in the forest canopy. *Plant, Cell and Environment*, **2021**, 44, 3655-3666	8.4	1
225	Simulated climate change and seasonal drought increase carbon and phosphorus demand in Mediterranean forest soils. *Soil Biology and Biochemistry*, **2021**, 163, 108424	7.5	2
224	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	2.9	3
223	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	9.3	8
222	Soil phosphorus availability affects diazotroph communities during vegetation succession in lowland subtropical forests. *Applied Soil Ecology*, **2021**, 166, 104009	5	4
221	Climatic and edaphic controls over the elevational pattern of microbial necromass in subtropical forests. *Catena*, **2021**, 207, 105707	5.8	1
220	Changes in soil enzymatic activity in a P-limited Mediterranean shrubland subject to experimental nitrogen deposition. *Applied Soil Ecology*, **2021**, 168, 104159	5	0
219	Optimal biochar application rates for mitigating global warming and increasing rice yield in a subtropical paddy field – ERRATUM. *Experimental Agriculture*, **2021**, 57, 300-300	1.7	
218	Recent global decline of CO fertilization effects on vegetation photosynthesis. *Science*, **2020**, 370, 1295-1300	33.3	107
217	The Additions of Nitrogen and Sulfur Synergistically Decrease the Release of Carbon and Nitrogen from Litter in a Subtropical Forest. *Forests*, **2020**, 11, 1280	2.8	3

216	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	11.5	59
215	Atmospheric deposition of elements and its relevance for nutrient budgets of tropical forests. *Biogeochemistry*, **2020**, 149, 175-193	3.8	17
214	Ecometabolomics for a Better Understanding of Plant Responses and Acclimation to Abiotic Factors Linked to Global Change. *Metabolites*, **2020**, 10,	5.6	20
213	Reply to: Nutrient scarcity cannot cause mast seeding. *Nature Plants*, **2020**, 6, 763-765	11.5	3
212	Long-term drought decreases ecosystem C and nutrient storage in a Mediterranean holm oak forest. *Environmental and Experimental Botany*, **2020**, 177, 104135	5.9	8
211	Different "metabolomic niches" of the highly diverse tree species of the French Guiana rainforests. *Scientific Reports*, **2020**, 10, 6937	4.9	6
210	Effects of seasonal and decadal warming on soil enzymatic activity in a P-deficient Mediterranean shrubland. *Global Change Biology*, **2020**, 26, 3698-3714	11.4	20
209	Increasing atmospheric CO concentrations correlate with declining nutritional status of European forests. *Communications Biology*, **2020**, 3, 125	6.7	25
208	Steel slag and biochar amendments decreased CO 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	10.2	12
207	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	6.7	18
206	Soil properties explain tree growth and mortality, but not biomass, across phosphorus-depleted tropical forests. *Scientific Reports*, **2020**, 10, 2302	4.9	35
205	Nitrogen reduction processes in paddy soils across climatic gradients: Key controlling factors and environmental implications. *Geoderma*, **2020**, 368, 114275	6.7	11
204	The shift of phosphorus transfers in global fisheries and aquaculture. *Nature Communications*, **2020**, 11, 355	17.4	16
203	Multiple trade-offs between maximizing yield and minimizing greenhouse gas production in Chinese rice croplands. *Land Degradation and Development*, **2020**, 31, 1287-1299	4.4	5
202	Patterns and environmental drivers of greenhouse gas fluxes in the coastal wetlands of China: A systematic review and synthesis. *Environmental Research*, **2020**, 186, 109576	7.9	15
201	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	10.2	5
200	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	7.7	35
199	Rapid root assimilation of added phosphorus in a lowland tropical rainforest of French Guiana. *Soil Biology and Biochemistry*, **2020**, 140, 107646	7.5	3

198	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	3.4	2
197	Greenhouse gas emissions in a subtropical jasmine plantation managed with straw combined with industrial and agricultural wastes. *Experimental Agriculture*, **2020**, 56, 280-292	1.7	1
196	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	11.4	50
195	TRY plant trait database - enhanced coverage and open access. *Global Change Biology*, **2020**, 26, 119-188	11.4	399
194	Encroachment of shrubs into subalpine grasslands in the Pyrenees changes the plant-soil stoichiometry spectrum. *Plant and Soil*, **2020**, 448, 37-53	4.2	7
193	Shifts in Microbial Biomass C/N/P Stoichiometry and Bacterial Community Composition in Subtropical Estuarine Tidal Marshes Along a Gradient of Freshwater□Oligohaline Water. *Ecosystems*, **2020**, 23, 1265-1280	3.9	2
192	A systemic overreaction to years versus decades of warming in a subarctic grassland ecosystem. *Nature Ecology and Evolution*, **2020**, 4, 101-108	12.3	20
191	Whole soil acidification and base cation reduction across subtropical China. *Geoderma*, **2020**, 361, 114107	6.7	22
190	Acid rain mediated nitrogen and sulfur deposition alters soil nitrogen, phosphorus and carbon fractions in a subtropical paddy. *Catena*, **2020**, 195, 104876	5.8	3
189	The role of climate, foliar stoichiometry and plant diversity on ecosystem carbon balance. *Global Change Biology*, **2020**, 26, 7067-7078	11.4	2
188	Daily CO Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. *Innovation(China)*, **2020**, 1, 100062	17.8	14
187	Could Global Intensification of Nitrogen Fertilisation Increase Immunogenic Proteins and Favour the Spread of Coeliac Pathology?. *Foods*, **2020**, 9,	4.9	4
186	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	6.7	8
185	Climatic temperature controls the geographical patterns of coastal marshes greenhouse gases emissions over China. *Journal of Hydrology*, **2020**, 590, 125378	6	3
184	Variations in foliar carbon:nitrogen and nitrogen:phosphorus ratios under global change: a meta-analysis of experimental field studies. *Scientific Reports*, **2020**, 10, 12156	4.9	8
183	Insights into nanoplastics effects on human health. *Science Bulletin*, **2020**, 65, 1966-1969	10.6	6
182	Large Spatial Variations in Diffusive CH Fluxes from a Subtropical Coastal Reservoir Affected by Sewage Discharge in Southeast China. *Environmental Science & Technology*, **2020**, 54, 14192-14203	10.3	7
181	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	4.2	5

180	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,	4.6	5
179	P-NMR Metabolomics Revealed Species-Specific Use of Phosphorous in Trees of a French Guiana Rainforest. *Molecules*, **2020**, 25,	4.8	2
178	Coupled steel slag and biochar amendment correlated with higher methanotrophic abundance and lower CH emission in subtropical paddies. *Environmental Geochemistry and Health*, **2020**, 42, 483-497	4.7	3
177	Towards comparable assessment of the soil nutrient status across scales-Review and development of nutrient metrics. *Global Change Biology*, **2020**, 26, 392-409	11.4	22
176	Nutrient scarcity strengthens soil fauna control over leaf litter decomposition in tropical rainforests. *Proceedings of the Royal Society B: Biological Sciences*, **2019**, 286, 20191300	4.4	11
175	Responses of greenhouse-gas emissions to land-use change from rice to jasmine production in subtropical China. *Atmospheric Environment*, **2019**, 201, 391-401	5.3	5
174	The bioelements, the elementome, and the biogeochemical niche. *Ecology*, **2019**, 100, e02652	4.6	71
173	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	10.2	7
172	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	3.6	2
171	Spatial Pattern and Environmental Drivers of Acid Phosphatase Activity in Europe. *Frontiers in Big Data*, **2019**, 2, 51	2.8	5
170	Distinct Morphological, Physiological, and Biochemical Responses to Light Quality in Barley Leaves and Roots. *Frontiers in Plant Science*, **2019**, 10, 1026	6.2	25
169	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	3.7	15
168	The biogeochemical niche shifts of Pinus sylvestris var. mongolica along an environmental gradient. *Environmental and Experimental Botany*, **2019**, 167, 103825	5.9	7
167	Winter warming is ecologically more relevant than summer warming in a cool-temperate grassland. *Scientific Reports*, **2019**, 9, 14632	4.9	25
166	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	11.5	31
165	Nutrient scarcity as a selective pressure for mast seeding. *Nature Plants*, **2019**, 5, 1222-1228	11.5	34
164	Global trends in carbon sinks and their relationships with CO2 and temperature. *Nature Climate Change*, **2019**, 9, 73-79	21.4	77
163	Atmo-ecometabolomics: a novel atmospheric particle chemical characterization methodology for ecological research. *Environmental Monitoring and Assessment*, **2019**, 191, 78	3.1	5

162	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	11.4	35
161	Responses of forest ecosystems in Europe to decreasing nitrogen deposition. *Environmental Pollution*, **2019**, 244, 980-994	9.3	76
160	Effects of steel slag and biochar amendments on CO, CH, and NO flux, and rice productivity in a subtropical Chinese paddy field. *Environmental Geochemistry and Health*, **2019**, 41, 1419-1431	4.7	8
159	EFFECTS OF FERTILIZATION ON POREWATER NUTRIENTS, GREENHOUSE-GAS EMISSIONS AND RICE PRODUCTIVITY IN A SUBTROPICAL PADDY FIELD. *Experimental Agriculture*, **2019**, 55, 395-411	1.7	2
158	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	4.2	13
157	Afforestation neutralizes soil pH. *Nature Communications*, **2018**, 9, 520	17.4	62
156	Soil Methane Production, Anaerobic and Aerobic Oxidation in Porewater of Wetland Soils of the Minjiang River Estuarine, China. *Wetlands*, **2018**, 38, 627-640	1.7	15
155	Coping with iron limitation: a metabolomic study of Synechocystis sp. PCC 6803. *Acta Physiologiae Plantarum*, **2018**, 40, 1	2.6	6
154	Foliar C, N, and P stoichiometry characterize successful plant ecological strategies in the Sonoran Desert. *Plant Ecology*, **2018**, 219, 775-788	1.7	26
153	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	1.8	11
152	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	5.9	66
151	INDUSTRIAL AND AGRICULTURAL WASTES DECREASED GREENHOUSE-GAS EMISSIONS AND INCREASED RICE GRAIN YIELD IN A SUBTROPICAL PADDY FIELD. *Experimental Agriculture*, **2018**, 54, 623-640	1.7	8
150	STEEL SLAG AMENDMENT INCREASES NUTRIENT AVAILABILITY AND RICE YIELD IN A SUBTROPICAL PADDY FIELD IN CHINA. *Experimental Agriculture*, **2018**, 54, 842-856	1.7	4
149	Effects of extreme drought on plant nutrient uptake and resorption in rhizomatous vs bunchgrass-dominated grasslands. *Oecologia*, **2018**, 188, 633-643	2.9	25
148	Trophic transfer from aquatic to terrestrial ecosystems: a test of the biogeochemical niche hypothesis. *Ecosphere*, **2018**, 9, e02338	3.1	11
147	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	3.5	8
146	Revisiting the role of high-energy Pacific events in the environmental and cultural history of Easter Island (Rapa Nui). *Geographical Journal*, **2018**, 184, 310-322	2.2	8
145	Root exudate metabolomes change under drought and show limited capacity for recovery. *Scientific Reports*, **2018**, 8, 12696	4.9	116

144	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	4.2	27
143	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	8.5	53
142	Global and regional phosphorus budgets in agricultural systems and their implications for phosphorus-use efficiency. *Earth System Science Data*, **2018**, 10, 1-18	10.5	62
141	We Are What We Eat: A Stoichiometric and Ecometabolomic Study of Caterpillars Feeding on Two Pine Subspecies of. *International Journal of Molecular Sciences*, **2018**, 20,	6.3	7
140	Global trait-environment relationships of plant communities. *Nature Ecology and Evolution*, **2018**, 2, 1906-1917	11.5	209
139	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	6.3	21
138	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	2.9	12
137	Effect of simulated acid rain on CO, CH and NO fluxes and rice productivity in a subtropical Chinese paddy field. *Environmental Pollution*, **2018**, 243, 1196-1205	9.3	19
136	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	6.2	21
135	Remote sensing of canopy nitrogen at regional scale in Mediterranean forests using the spaceborne MERIS Terrestrial Chlorophyll Index. *Biogeosciences*, **2018**, 15, 2723-2742	4.6	7
134	Plant invasion is associated with higher plant-soil nutrient concentrations in nutrient-poor environments. *Global Change Biology*, **2017**, 23, 1282-1291	11.4	91
133	Changes in nutrient concentrations of leaves and roots in response to global change factors. *Global Change Biology*, **2017**, 23, 3849-3856	11.4	106
132	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	4.9	53
131	Global patterns of phosphatase activity in natural soils. *Scientific Reports*, **2017**, 7, 1337	4.9	179
130	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	5.3	22
129	Global forest carbon uptake due to nitrogen and phosphorus deposition from 1850 to 2100. *Global Change Biology*, **2017**, 23, 4854-4872	11.4	95
128	Plant community composition affects the species biogeochemical niche. *Ecosphere*, **2017**, 8, e01801	3.1	30
127	Factors Related with CH4 and N2O Emissions from a Paddy Field: Clues for Management implications. *PLoS ONE*, **2017**, 12, e0169254	3.7	38

126	Shifting from a fertilization-dominated to a warming-dominated period. *Nature Ecology and Evolution*, **2017**, 1, 1438-1445	12.3	99
125	Atmospheric deposition, CO, and change in the land carbon sink. *Scientific Reports*, **2017**, 7, 9632	4.9	41
124	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	2.8	26
123	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	2.8	17
122	Oak protein profile alterations upon root colonization by an ectomycorrhizal fungus. *Mycorrhiza*, **2017**, 27, 109-128	3.9	20
121	Increasing gap in human height between rich and poor countries associated to their different intakes of N and P. *Scientific Reports*, **2017**, 7, 17671	4.9	10
120	Experimental and observational studies find contrasting responses of soil nutrients to climate change. *ELife*, **2017**, 6,	8.9	46
119	A representation of the phosphorus cycle for ORCHIDEE (revision´4520). *Geoscientific Model Development*, **2017**, 10, 3745-3770	6.3	78
118	Impact of Soil Warming on the Plant Metabolome of Icelandic Grasslands. *Metabolites*, **2017**, 7,	5.6	7
117	Straw Application Strategy to Optimize Nutrient Release in a Southeastern China Rice Cropland. *Agronomy*, **2017**, 7, 84	3.6	9
116	Impacts of Global Change on Mediterranean Forests and Their Services. *Forests*, **2017**, 8, 463	2.8	61
115	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	3.7	7
114	Author response: Experimental and observational studies find contrasting responses of soil nutrients to climate change **2017**,		2
113	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	5.7	12
112	Foliar and soil concentrations and stoichiometry of nitrogen and phosphorous across European Pinus sylvestris forests: relationships with climate, N deposition and tree growth. *Functional Ecology*, **2016**, 30, 676-689	5.6	63
111	Thresholds in decoupled soil-plant elements under changing climatic conditions. *Plant and Soil*, **2016**, 409, 159-173	4.2	19
110	Long-term nitrogen deposition linked to reduced water use efficiency in forests with low phosphorus availability. *New Phytologist*, **2016**, 210, 431-42	9.8	58
109	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	1.7	14

108	Factors influencing the foliar elemental composition and stoichiometry in forest trees in Spain. *Perspectives in Plant Ecology, Evolution and Systematics*, **2016**, 18, 52-69	3	42
107	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	6.2	13
106	Trends in soil solution dissolved organic carbon (DOC) concentrations across European forests. *Biogeosciences*, **2016**, 13, 5567-5585	4.6	15
105	Organic Cultivation of Jasmine and Tea Increases Carbon Sequestration by Changing Plant and Soil Stoichiometry. *Agronomy Journal*, **2016**, 108, 1636-1648	2.2	15
104	Are the metabolomic responses to folivory of closely related plant species linked to macroevolutionary and plant-folivore coevolutionary processes?. *Ecology and Evolution*, **2016**, 6, 4372-86	2.8	15
103	Similar local, but different systemic, metabolomic responses of closely related pine subspecies to folivory by caterpillars of the processionary moth. *Plant Biology*, **2016**, 18, 484-94	3.7	18
102	Shifts in plant foliar and floral metabolomes in response to the suppression of the associated microbiota. *BMC Plant Biology*, **2016**, 16, 78	5.3	31
101	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	3	24
100	Phosphorus accumulates faster than nitrogen globally in freshwater ecosystems under anthropogenic impacts. *Ecology Letters*, **2016**, 19, 1237-46	10	82
99	Potassium: a neglected nutrient in global change. *Global Ecology and Biogeography*, **2015**, 24, 261-275	6.1	239
98	Agricultural land use decouples soil nutrient cycles in a subtropical riparian wetland in China. *Catena*, **2015**, 133, 171-178	5.8	28
97	Rice straw incorporation affects global warming potential differently in early vs. late cropping seasons in Southeastern China. *Field Crops Research*, **2015**, 181, 42-51	5.5	32
96	The application of ecological stoichiometry to plant–microbial–soil organic matter transformations. *Ecological Monographs*, **2015**, 85, 133-155	9	431
95	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	1.7	49
94	Warming differentially influences the effects of drought on stoichiometry and metabolomics in shoots and roots. *New Phytologist*, **2015**, 207, 591-603	9.8	81
93	Plant invasive success associated with higher N-use efficiency and stoichiometric shifts in the soil–plant system in the Minjiang River tidal estuarine wetlands of China. *Wetlands Ecology and Management*, **2015**, 23, 865-880	2.1	24
92	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	21.4	2
91	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	1.6	2

90	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	5.5	53
89	Foliar elemental composition of European forest tree species associated with evolutionary traits and present environmental and competitive conditions. *Global Ecology and Biogeography*, **2015**, 24, 240-255	6.1	73
88	Trees increase their P:N ratio with size. *Global Ecology and Biogeography*, **2015**, 24, 147-156	6.1	29
87	Shifts in the elemental composition of plants during a very severe drought. *Environmental and Experimental Botany*, **2015**, 111, 63-73	5.9	38
86	Global biodiversity, stoichiometry and ecosystem function responses to human-induced C-N-P imbalances. *Journal of Plant Physiology*, **2015**, 172, 82-91	3.6	45
85	Flood regime affects soil stoichiometry and the distribution of the invasive plants in subtropical estuarine wetlands in China. *Catena*, **2015**, 128, 144-154	5.8	30
84	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	6.1	95
83	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	4.2	20
82	Climate and taxonomy underlie different elemental concentrations and stoichiometries of forest species: the optimum "biogeochemical niche". *Plant Ecology*, **2014**, 215, 441-455	1.7	40
81	Metabolic responses of Quercus ilex seedlings to wounding analysed with nuclear magnetic resonance profiling. *Plant Biology*, **2014**, 16, 395-403	3.7	21
80	Hydraulic redistribution by plants and nutrient stoichiometry: Shifts under global change. *Ecohydrology*, **2014**, 7, 1-20	2.5	49
79	Physiological and antioxidant responses of Quercus ilex to drought in two different seasons. *Plant Biosystems*, **2014**, 148, 268-278	1.6	18
78	Drought enhances folivory by shifting foliar metabolomes in Quercus ilex trees. *New Phytologist*, **2014**, 202, 874-885	9.8	65
77	Responses of soil nutrient concentrations and stoichiometry to different human land uses in a subtropical tidal wetland. *Geoderma*, **2014**, 232-234, 459-470	6.7	84
76	Spatial variability and controls over biomass stocks, carbon fluxes, and resource-use efficiencies across forest ecosystems. *Trees - Structure and Function*, **2014**, 28, 597-611	2.6	44
75	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	7.5	83
74	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	9
73	Removal of floral microbiota reduces floral terpene emissions. *Scientific Reports*, **2014**, 4, 6727	4.9	44

72	Opposite metabolic responses of shoots and roots to drought. *Scientific Reports*, **2014**, 4, 6829	4.9	124
71	A tethered-balloon PTRMS sampling approach for surveying of landscape-scale biogenic VOC fluxes. *Atmospheric Measurement Techniques*, **2014**, 7, 2263-2271	4	6
70	Nutrient availability as the key regulator of global forest carbon balance. *Nature Climate Change*, **2014**, 4, 471-476	21.4	269
69	Exploring continental-scale stand health - N:P ratio relationships for European forests. *New Phytologist*, **2014**, 202, 422-430	9.8	22
68	Soil enzymes associated with carbon and nitrogen cycling in invaded and native secondary forests of northwestern Argentina. *Plant and Soil*, **2014**, 384, 169-183	4.2	21
67	Absence of soil frost affects plant-soil interactions in temperate grasslands. *Plant and Soil*, **2013**, 371, 559-572	4.2	15
66	Plant-soil interactions in Mediterranean forest and shrublands: impacts of climatic change. *Plant and Soil*, **2013**, 365, 1-33	4.2	165
65	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	6.1	79
64	Human-induced nitrogen-phosphorus imbalances alter natural and managed ecosystems across the globe. *Nature Communications*, **2013**, 4, 2934	17.4	679
63	Evidence of current impact of climate change on life: a walk from genes to the biosphere. *Global Change Biology*, **2013**, 19, 2303-38	11.4	259
62	Field-simulated droughts affect elemental leaf stoichiometry in Mediterranean forests and shrublands. *Acta Oecologica*, **2013**, 50, 20-31	1.7	30
61	Foliar chemistry and standing folivory of early and late-successional species in a Bornean rainforest. *Plant Ecology and Diversity*, **2013**, 6, 245-256	2.2	9
60	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, 615-29	2.1	21
59	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	5.3	7
58	Connecting the Green and Brown Worlds: Allometric and Stoichiometric Predictability of Above- and Below-Ground Networks. *Advances in Ecological Research*, **2013**, 49, 69-175	4.6	74
57	Ecometabolomics: optimized NMR-based method. *Methods in Ecology and Evolution*, **2013**, 4, 464-473	7.7	39
56	Higher plasticity in ecophysiological traits enhances the performance and invasion success of Taraxacum officinale (dandelion) in alpine environments. *Biological Invasions*, **2012**, 14, 21-33	2.7	55
55	Stoichiometry of potassium is largely determined by water availability and growth in Catalonian forests. *Functional Ecology*, **2012**, 26, 1077-1089	5.6	56

54	Strong relationship between elemental stoichiometry and metabolome in plants. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 4181-6	11.5	179
53	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	3.8	239
52	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	3	378
51	Urgent need for a common metric to make precipitation manipulation experiments comparable. *New Phytologist*, **2012**, 195, 518-522	9.8	82
50	Physiological and antioxidant responses of Erica multiflora to drought and warming through different seasons. *Plant Ecology*, **2012**, 213, 649-661	1.7	12
49	The human-induced imbalance between C, N and P in Earth's life system. *Global Change Biology*, **2012**, 18, 3-6	11.4	348
48	The role of plants in the effects of global change on nutrient availability and stoichiometry in the plant-soil system. *Plant Physiology*, **2012**, 160, 1741-61	6.6	194
47	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	3.2	28
46	Factors affecting nutrient concentration and stoichiometry of forest trees in Catalonia (NE Spain). *Forest Ecology and Management*, **2011**, 262, 2024-2034	3.9	98
45	Lower P contents and more widespread terpene presence in old Bornean than in young Hawaiian tropical plant species guilds. *Ecosphere*, **2011**, 2, art45	3.1	10
44	Drought-resistant fungi control soil organic matter decomposition and its response to temperature. *Global Change Biology*, **2011**, 17, 1475-1486	11.4	217
43	TRY – a global database of plant traits. *Global Change Biology*, **2011**, 17, 2905-2935	11.4	1623
42	Ecological metabolomics: overview of current developments and future challenges. *Chemoecology*, **2011**, 21, 191-225	2	156
41	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	6.1	29
40	Soil Enzyme Activity in a Mediterranean Forest after Six Years of Drought. *Soil Science Society of America Journal*, **2010**, 74, 838-851	2.5	48
39	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	3.1	112
38	Foliar mono- and sesquiterpene contents in relation to leaf economic spectrum in native and alien species in Oahu (Hawai'i). *Journal of Chemical Ecology*, **2010**, 36, 210-26	2.7	14
37	Higher allocation to low cost chemical defenses in invasive species of Hawaii. *Journal of Chemical Ecology*, **2010**, 36, 1255-70	2.7	32

36	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	5.3	16
35	Drought, warming and soil fertilization effects on leaf volatile terpene concentrations in Pinus halepensis and Quercus ilex. *Acta Physiologiae Plantarum*, **2009**, 31, 207-218	2.6	78
34	Faster returns on leaf economics and different biogeochemical niche in invasive compared with native plant species. *Global Change Biology*, **2009**, 16, 2171-2185	11.4	127
33	Ecological metabolomics. *Chemistry and Ecology*, **2009**, 25, 305-309	2.3	48
32	Increased eutrophication and nutrient imbalances in the agricultural soil of NE Catalonia, Spain. *Journal of Environmental Biology*, **2009**, 30, 841-6	1.6	21
31	Warming and drought alter C and N concentration, allocation and accumulation in a Mediterranean shrubland. *Global Change Biology*, **2008**, 14, 2304-2316	11.4	116
30	Warming and drought alter C and N concentration, allocation and accumulation in a Mediterranean shrubland. *Global Change Biology*, **2008**, 14, 2771-2771	11.4	1
29	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	5	225
28	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	2.9	61
27	Warming and drought change trace element bioaccumulation patterns in a Mediterranean shrubland. *Chemosphere*, **2008**, 70, 874-85	8.4	30
26	Changes in Ca, Fe, Mg, Mo, Na, and S content in a Mediterranean shrubland under warming and drought. *Journal of Geophysical Research*, **2008**, 113,		28
25	Drought changes nutrient sources, content and stoichiometry in the bryophyte Hypnum cupressiforme Hedw. growing in a Mediterranean forest. *Journal of Bryology*, **2008**, 30, 59-65	1.1	20
24	Drought'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	3.8	52
23	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	4.2	73
22	Root-surface phosphatase activity in shrublands across a European gradient: effects of warming. *Journal of Environmental Biology*, **2008**, 29, 25-9	1.6	7
21	Drought changes phosphorus and potassium accumulation patterns in an evergreen Mediterranean forest. *Functional Ecology*, **2007**, 21, 191-201	5.6	127
20	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	6.1	39
19	Drought changes the dynamics of trace element accumulation in a Mediterranean Quercus ilex forest. *Environmental Pollution*, **2007**, 147, 567-83	9.3	29

18	Plasticity of leaf morphological traits, leaf nutrient content, and water capture in the Mediterranean evergreen oak Quercus ilex subsp. ballota in response to fertilization and changes in competitive conditions1 Associate Editor: Jos Ram Obeso.. *Ecoscience*, **2006**, 13, 258-270	1.1	65
17	The effects of nutrient availability and removal of competing vegetation on resprouter capacity and nutrient accumulation in the shrub Erica multiflora. *Acta Oecologica*, **2006**, 29, 221-232	1.7	18
16	Warming and drought alter soil phosphatase activity and soil P availability in a Mediterranean shrubland. *Plant and Soil*, **2006**, 289, 227-238	4.2	126
15	Introduction of the factor of partitioning in the lithogenic enrichment factors of trace element bioaccumulation in plant tissues. *Environmental Monitoring and Assessment*, **2006**, 115, 473-98	3.1	20
14	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, 1925-33	2.7	28
13	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	2.6	53
12	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		16
11	Trace element accumulation in the moss Hypnum cupressiforme Hedw. and the trees Quercus ilex L. and Pinus halepensis Mill. in Catalonia. *Chemosphere*, **2005**, 60, 1293-307	8.4	69
10	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	5.9	39
9	Drought decreases soil enzyme activity in a Mediterranean Quercus ilex L. forest. *Soil Biology and Biochemistry*, **2005**, 37, 455-461	7.5	314
8	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	2.6	44
7	Phosphorus limitation and competitive capacities of Pinus halepensis and Quercus ilex subsp. rotundifolia on different soils. *Plant Ecology*, **2004**, 174, 307-319	1.7	74
6	Increasing drought decreases phosphorus availability in an evergreen Mediterranean forest. *Plant and Soil*, **2004**, 267, 367-377	4.2	97
5	Plant competition in mediterranean-type vegetation. *Journal of Vegetation Science*, **1999**, 10, 281-294	3.1	99
4	Optimal biochar application rates for mitigating global warming and increasing rice yield in a subtropical paddy field. *Experimental Agriculture*,1-17	1.7	2
3	Chronic and intense droughts differentially influence grassland carbon-nutrient dynamics along a natural aridity gradient. *Plant and Soil*,1	4.2	2
2	Leaf traits from stomata to morphology are associated with climatic and edaphic variables for dominant tropical forest evergreen oaks. *Journal of Plant Ecology*,	1.7	4
1	Vertical profiles of leaf photosynthesis and leaf traits, and soil nutrients in two tropical rainforests in French Guiana before and after a three-year nitrogen and phosphorus addition experiment		2