

Fernando Valladares

List of Publications by Year in descending order

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Version: 2024-02-01

273
papers

26,596
citations

9264

74
h-index

7348

152
g-index

280
all docs

280
docs citations

280
times ranked

25072
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel ecosystems: theoretical and management aspects of the new ecological world order. <i>Global Ecology and Biogeography</i> , 2006, 15, 1-7.	5.8	1,528
2	Shade Tolerance, a Key Plant Feature of Complex Nature and Consequences. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2008, 39, 237-257.	8.3	1,110
3	Refining the stress-€gradient hypothesis for competition and facilitation in plant communities. <i>Journal of Ecology</i> , 2009, 97, 199-205.	4.0	1,071
4	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
5	TOLERANCE TO SHADE, DROUGHT, AND WATERLOGGING OF TEMPERATE NORTHERN HEMISPHERE TREES AND SHRUBS. <i>Ecological Monographs</i> , 2006, 76, 521-547.	5.4	863
6	The GenTree Dendroecological Collection, tree-ring and wood density data from seven tree species across Europe. <i>Scientific Data</i> , 2020, 7, 1.	5.3	830
7	The effects of phenotypic plasticity and local adaptation on forecasts of species range shifts under climate change. <i>Ecology Letters</i> , 2014, 17, 1351-1364.	6.4	802
8	Ecological limits to plant phenotypic plasticity. <i>New Phytologist</i> , 2007, 176, 749-763.	7.3	764
9	Quantitative estimation of phenotypic plasticity: bridging the gap between the evolutionary concept and its ecological applications. <i>Journal of Ecology</i> , 2006, 94, 1103-1116.	4.0	711
10	Heat freezes niche evolution. <i>Ecology Letters</i> , 2013, 16, 1206-1219.	6.4	708
11	Biodiversity Differences between Managed and Unmanaged Forests: Meta-€Analysis of Species Richness in Europe. <i>Conservation Biology</i> , 2010, 24, 101-112.	4.7	679
12	Is the change of plant-plant interactions with abiotic stress predictable? A meta-analysis of field results in arid environments. <i>Journal of Ecology</i> , 2005, 93, 748-757.	4.0	623
13	PLASTIC PHENOTYPIC RESPONSE TO LIGHT OF 16 CONGENERIC SHRUBS FROM A PANAMANIAN RAINFOREST. <i>Ecology</i> , 2000, 81, 1925-1936.	3.2	576
14	Extreme climatic events and vegetation: the role of stabilizing processes. <i>Global Change Biology</i> , 2012, 18, 797-805.	9.5	376
15	Interactions between water stress, sun-shade acclimation, heat tolerance and photoinhibition in the sclerophyll <i>Heteromeles arbutifolia</i> . <i>Plant, Cell and Environment</i> , 1997, 20, 25-36.	5.7	358
16	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , 2015, 206, 614-636.	7.3	350
17	Global change and the evolution of phenotypic plasticity in plants. <i>Annals of the New York Academy of Sciences</i> , 2010, 1206, 35-55.	3.8	341
18	Low leaf-€level response to light and nutrients in Mediterranean evergreen oaks: a conservative resource-€use strategy?. <i>New Phytologist</i> , 2000, 148, 79-91.	7.3	288

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19	The greater seedling high-light tolerance of <i>Quercus robur</i> over <i>Fagus sylvatica</i> is linked to a greater physiological plasticity. <i>Trees - Structure and Function</i> , 2002, 16, 395-403.	1.9	244
20	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. <i>Ecology Letters</i> , 2017, 20, 1414-1426.	6.4	244
21	Crown architecture in sun and shade environments: assessing function and trade-offs with a three-dimensional simulation model. <i>New Phytologist</i> , 2005, 166, 791-800.	7.3	241
22	Estimation of leaf area index and covered ground from airborne laser scanner (Lidar) in two contrasting forests. <i>Agricultural and Forest Meteorology</i> , 2004, 124, 269-275.	4.8	231
23	Tree diversity does not always improve resistance of forest ecosystems to drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14812-14815.	7.1	228
24	Soil as a mediator in plant-plant interactions in a semi-arid community. <i>Journal of Vegetation Science</i> , 2004, 15, 85-92.	2.2	225
25	Drought can be more critical in the shade than in the sun: a field study of carbon gain and photo-inhibition in a Californian shrub during a dry El Niño year. <i>Plant, Cell and Environment</i> , 2002, 25, 749-759.	5.7	221
26	Photosynthetic Acclimation to Simultaneous and Interacting Environmental Stresses Along Natural Light Gradients: Optimality and Constraints. <i>Plant Biology</i> , 2004, 6, 254-268.	3.8	208
27	Biotic homogenization can decrease landscape-scale forest multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3557-3562.	7.1	196
28	Do we Underestimate the Importance of Leaf Size in Plant Economics? Disproportional Scaling of Support Costs Within the Spectrum of Leaf Physiognomy. <i>Annals of Botany</i> , 2007, 100, 283-303.	2.9	189
29	Photosynthetic responses to dynamic light under field conditions in six tropical rainforest shrubs occurring along a light gradient. <i>Oecologia</i> , 1997, 111, 505-514.	2.0	188
30	Shedding light on shade: ecological perspectives of understory plant life. <i>Plant Ecology and Diversity</i> , 2016, 9, 237-251.	2.4	181
31	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013, 15, 281-291.	2.7	179
32	Competition for light and water play contrasting roles in driving diversity-productivity relationships in Iberian forests. <i>Journal of Ecology</i> , 2014, 102, 1202-1213.	4.0	174
33	The stress-gradient hypothesis does not fit all relationships between plant-plant interactions and abiotic stress: further insights from arid environments. <i>Journal of Ecology</i> , 2006, 94, 17-22.	4.0	172
34	Convergence in light capture efficiencies among tropical forest understory plants with contrasting crown architectures: a case of morphological compensation. <i>American Journal of Botany</i> , 2002, 89, 1275-1284.	1.7	171
35	Performance of seedlings of Mediterranean woody species under experimental gradients of irradiance and water availability: trade-offs and evidence for niche differentiation. <i>New Phytologist</i> , 2006, 170, 795-806.	7.3	168
36	Multispecies comparison reveals that invasive and native plants differ in their traits but not in their plasticity. <i>Functional Ecology</i> , 2011, 25, 1248-1259.	3.6	168

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37	Phenotypic plasticity and local adaptation in leaf ecophysiological traits of 13 contrasting cork oak populations under different water availabilities. <i>Tree Physiology</i> , 2010, 30, 618-627.	3.1	160
38	Mapping local and global variability in plant trait distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10937-E10946.	7.1	159
39	Photoinhibition and drought in Mediterranean woody saplings: scaling effects and interactions in sun and shade phenotypes. <i>Journal of Experimental Botany</i> , 2004, 56, 483-494.	4.8	149
40	The functional ecology of shoot architecture in sun and shade plants of <i>Heteromeles arbutifolia</i> M. Roem., a Californian chaparral shrub. <i>Oecologia</i> , 1998, 114, 1-10.	2.0	146
41	Plasticity, instability and canalization: is the phenotypic variation in seedlings of sclerophyll oaks consistent with the environmental unpredictability of Mediterranean ecosystems?. <i>New Phytologist</i> , 2002, 156, 457-467.	7.3	142
42	Non-linear effects of drought under shade: reconciling physiological and ecological models in plant communities. <i>Oecologia</i> , 2012, 169, 293-305.	2.0	139
43	Species coexistence in a changing world. <i>Frontiers in Plant Science</i> , 2015, 6, 866.	3.6	132
44	Ecological and evolutionary responses of Mediterranean plants to global change. <i>Environmental and Experimental Botany</i> , 2014, 103, 53-67.	4.2	130
45	Tradeoffs Between Irradiance Capture and Avoidance in Semi-arid Environments Assessed with a Crown Architecture Model. <i>Annals of Botany</i> , 1999, 83, 459-469.	2.9	127
46	Plasticity and stress tolerance override local adaptation in the responses of Mediterranean holm oak seedlings to drought and cold. <i>Tree Physiology</i> , 2008, 29, 87-98.	3.1	127
47	Response of tree seedlings to the abiotic heterogeneity generated by nurse shrubs: an experimental approach at different scales. <i>Ecography</i> , 2005, 28, 757-768.	4.5	125
48	Plant functional traits of dominant native and invasive species in mediterranean climate ecosystems. <i>Ecology</i> , 2016, 97, 75-83.	3.2	123
49	BAAD: a Biomass And Allometry Database for woody plants. <i>Ecology</i> , 2015, 96, 1445-1445.	3.2	122
50	Ecophysiological Traits Associated with Drought in Mediterranean Tree Seedlings: Individual Responses versus Interspecific Trends in Eleven Species. <i>Plant Biology</i> , 2006, 8, 688-697.	3.8	120
51	Leaf-level phenotypic variability and plasticity of invasive <i>Rhododendron ponticum</i> and non-invasive <i>Ilex aquifolium</i> co-occurring at two contrasting European sites. <i>Plant, Cell and Environment</i> , 2003, 26, 941-956.	5.7	119
52	Population differences in juvenile survival under increasing drought are mediated by seed size in cork oak (<i>Quercus suber</i> L.). <i>Forest Ecology and Management</i> , 2009, 257, 1676-1683.	3.2	109
53	Fossil leaf economics quantified: calibration, Eocene case study, and implications. <i>Paleobiology</i> , 2007, 33, 574-589.	2.0	107
54	Environmental heterogeneity leads to higher plasticity in dry-edge populations of a semi-arid Chilean shrub: insights into climate change responses. <i>Journal of Ecology</i> , 2015, 103, 338-350.	4.0	107

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55	CO ₂ exchange and thallus nitrogen across 75 contrasting lichen associations from different climate zones. <i>Oecologia</i> , 2002, 133, 295-306.	2.0	105
56	Light Heterogeneity and Plants: from Ecophysiology to Species Coexistence and Biodiversity. <i>Progress in Botany Fortschritte Der Botanik</i> , 2003, , 439-471.	0.3	103
57	Differential light responses of Mediterranean tree saplings: linking ecophysiology with regeneration niche in four co-occurring species. <i>Tree Physiology</i> , 2006, 26, 947-958.	3.1	102
58	Shade tolerance, photoinhibition sensitivity and phenotypic plasticity of <i>Ilex aquifolium</i> in continental Mediterranean sites. <i>Tree Physiology</i> , 2005, 25, 1041-1052.	3.1	101
59	Is Shade Beneficial for Mediterranean Shrubs Experiencing Periods of Extreme Drought and Late-winter Frosts?. <i>Annals of Botany</i> , 2008, 102, 923-933.	2.9	96
60	Light interception efficiency explained by two simple variables: a test using a diversity of small- to medium-sized woody plants. <i>New Phytologist</i> , 2012, 193, 397-408.	7.3	96
61	Occurrence of the Non-Native Annual Bluegrass on the Antarctic Mainland and Its Negative Effects on Native Plants. <i>Conservation Biology</i> , 2012, 26, 717-723.	4.7	91
62	Global root traits (GRooT) database. <i>Global Ecology and Biogeography</i> , 2021, 30, 25-37.	5.8	90
63	Studying phenotypic plasticity: the advantages of a broad approach. <i>Biological Journal of the Linnean Society</i> , 2012, 105, 1-7.	1.6	89
64	Flowering phenology of invasive alien plant species compared with native species in three Mediterranean-type ecosystems. <i>Annals of Botany</i> , 2009, 103, 485-494.	2.9	87
65	Climate and soils together regulate photosynthetic carbon isotope discrimination within C ₃ plants worldwide. <i>Global Ecology and Biogeography</i> , 2018, 27, 1056-1067.	5.8	85
66	A functional analysis of the crown architecture of tropical forest <i>Psychotria</i> species: do species vary in light capture efficiency and consequently in carbon gain and growth?. <i>Oecologia</i> , 2004, 139, 163-177.	2.0	83
67	Elucidating the role of genetic drift and natural selection in cork oak differentiation regarding drought tolerance. <i>Molecular Ecology</i> , 2009, 18, 3803-3815.	3.9	83
68	Disparity in elevational shifts of European trees in response to recent climate warming. <i>Global Change Biology</i> , 2013, 19, 2490-2499.	9.5	83
69	The relative importance for plant invasiveness of trait means, and their plasticity and integration in a multivariate framework. <i>New Phytologist</i> , 2012, 195, 912-922.	7.3	82
70	Growth and carbon isotopes of Mediterranean trees reveal contrasting responses to increased carbon dioxide and drought. <i>Oecologia</i> , 2014, 174, 307-317.	2.0	81
71	Species-specific water use by forest tree species: From the tree to the stand. <i>Agricultural Water Management</i> , 2012, 114, 67-77.	5.6	80
72	Global trends in phenotypic plasticity of plants. <i>Ecology Letters</i> , 2021, 24, 2267-2281.	6.4	80

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73	Title is missing!. Plant and Soil, 2002, 240, 343-352.	3.7	79
74	Functional traits and plasticity in response to light in seedlings of four Iberian forest tree species. Tree Physiology, 2006, 26, 1425-1433.	3.1	78
75	Enhanced growth of Juniperus thurifera under a warmer climate is explained by a positive carbon gain under cold and drought. Tree Physiology, 2012, 32, 326-336.	3.1	78
76	Exploring Phenotypic Plasticity in the Lichen Ramalina capitata: Morphology, Water Relations and Chlorophyll Content in North- and South-facing Populations. Annals of Botany, 1997, 80, 345-353.	2.9	77
77	Leaf litter traits of invasive species slow down decomposition compared to Spanish natives: a broad phylogenetic comparison. Oecologia, 2010, 162, 781-790.	2.0	77
78	Plant Trait Variation along an Altitudinal Gradient in Mediterranean High Mountain Grasslands: Controlling the Species Turnover Effect. PLoS ONE, 2015, 10, e0118876.	2.5	77
79	Irradiance and oak seedling survival and growth in a heterogeneous environment. Forest Ecology and Management, 2007, 242, 462-469.	3.2	74
80	Intensity and timing of warming and drought differentially affect growth patterns of co-occurring Mediterranean tree species. European Journal of Forest Research, 2013, 132, 469-480.	2.5	74
81	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. Ecology Letters, 2018, 21, 31-42.	6.4	74
82	Different flowering phenology of alien invasive species in Spain: evidence for the use of an empty temporal niche?. Plant Biology, 2009, 11, 803-811.	3.8	71
83	The exploitative segregation of plant roots. Science, 2020, 370, 1197-1199.	12.6	70
84	Canopy structure and spatial heterogeneity of understory light in an abandoned Holm oak woodland. Annals of Forest Science, 2006, 63, 749-761.	2.0	69
85	Impact of three global change drivers on a Mediterranean shrub. Ecology, 2009, 90, 2609-2621.	3.2	68
86	Diverse guilds provide complementary dispersal services in a woodland expansion process after land abandonment. Journal of Applied Ecology, 2014, 51, 1701-1711.	4.0	68
87	Early Dynamics of Plant Communities on Revegetated Motorway Slopes from Southern Spain: Is Hydroseeding Always Needed?. Restoration Ecology, 2006, 14, 297-307.	2.9	67
88	Does growth irradiance affect temperature dependence and thermal acclimation of leaf respiration? Insights from a Mediterranean tree with long-lived leaves. Plant, Cell and Environment, 2007, 30, 820-833.	5.7	67
89	Water stress responses of two Mediterranean tree species influenced by native soil microorganisms and inoculation with a plant growth promoting rhizobacterium. Tree Physiology, 2008, 28, 1693-1701.	3.1	67
90	The 2018 European heatwave led to stem dehydration but not to consistent growth reductions in forests. Nature Communications, 2022, 13, 28.	12.8	66

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91	Phenotypic plasticity blurs ecotypic divergence in the response of <i>Quercus coccifera</i> and <i>Pinus halepensis</i> to water stress. <i>European Journal of Forest Research</i> , 2008, 127, 495-506.	2.5	65
92	Plasticity in reproduction and growth among 52 range-wide populations of a Mediterranean conifer: adaptive responses to environmental stress. <i>Journal of Evolutionary Biology</i> , 2013, 26, 1912-1924.	1.7	65
93	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021, 13, 2607-2649.	9.9	65
94	Dominant plant species modulate responses to hydroseeding, irrigation and fertilization during the restoration of semiarid motorway slopes. <i>Ecological Engineering</i> , 2010, 36, 1290-1298.	3.6	63
95	Extreme droughts affecting Mediterranean tree species' growth and water-use efficiency: the importance of timing. <i>Tree Physiology</i> , 2018, 38, 1127-1137.	3.1	62
96	Edge effects on epiphytic communities in a Mediterranean <i>Quercus pyrenaica</i> forest. <i>Journal of Vegetation Science</i> , 2007, 18, 81-90.	2.2	61
97	Recent Warming and Cooling in the Antarctic Peninsula Region has Rapid and Large Effects on Lichen Vegetation. <i>Scientific Reports</i> , 2017, 7, 5689.	3.3	61
98	The geometry of light interception by shoots of <i>Heteromeles arbutifolia</i> : morphological and physiological consequences for individual leaves. <i>Oecologia</i> , 1999, 121, 171-182.	2.0	60
99	Forests are not immune to plant invasions: phenotypic plasticity and local adaptation allow <i>Prunella vulgaris</i> to colonize a temperate evergreen rainforest. <i>Biological Invasions</i> , 2011, 13, 1615-1625.	2.4	60
100	Distribution and abundance of vines along the light gradient in a southern temperate rain forest. <i>Journal of Vegetation Science</i> , 2010, 21, 66-73.	2.2	58
101	Identifying the tree species compositions that maximize ecosystem functioning in European forests. <i>Journal of Applied Ecology</i> , 2019, 56, 733-744.	4.0	58
102	Factors affecting cork oak growth under dry conditions: local adaptation and contrasting additive genetic variance within populations. <i>Tree Genetics and Genomes</i> , 2011, 7, 285-295.	1.6	57
103	Inferring plant functional diversity from space: the potential of Sentinel-2. <i>Remote Sensing of Environment</i> , 2019, 233, 111368.	11.0	56
104	Differential and interactive effects of temperature and photoperiod on budburst and carbon reserves in two co-occurring Mediterranean oaks. <i>Plant Biology</i> , 2009, 11, 142-151.	3.8	54
105	Differences between structural and functional environmental heterogeneity caused by seed dispersal. <i>Functional Ecology</i> , 2004, 18, 787-792.	3.6	53
106	How Much Ecology Do We Need to Know to Restore Mediterranean Ecosystems?. <i>Restoration Ecology</i> , 2007, 15, 363-368.	2.9	53
107	Drivers of earthworm incidence and abundance across European forests. <i>Soil Biology and Biochemistry</i> , 2016, 99, 167-178.	8.8	53
108	Temporal dynamics of herbivory and water availability interactively modulate the outcome of a grass-shrub interaction in a semi-arid ecosystem. <i>Oikos</i> , 2011, 120, 710-719.	2.7	52

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109	Disproportionate carbon and water maintenance costs of large corollas in hot Mediterranean ecosystems. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2014, 16, 83-92.	2.7	52
110	Dynamics of understorey herbaceous plant diversity following shrub clearing of cork oak forests: A five-year study. <i>Forest Ecology and Management</i> , 2008, 255, 3242-3253.	3.2	51
111	Invasive species can handle higher leaf temperature under water stress than Mediterranean natives. <i>Environmental and Experimental Botany</i> , 2011, 71, 207-214.	4.2	50
112	Agricultural matrix affects differently the alpha and beta structural and functional diversity of soil microbial communities in a fragmented Mediterranean holm oak forest. <i>Soil Biology and Biochemistry</i> , 2016, 92, 79-90.	8.8	50
113	The uncoupling of secondary growth, cone and litter production by intradecadal climatic variability in a mediterranean scots pine forest. <i>Forest Ecology and Management</i> , 2007, 253, 19-29.	3.2	47
114	Patterns and ecological consequences of abiotic heterogeneity in managed cork oak forests of Southern Spain. <i>Ecological Research</i> , 2008, 23, 127-139.	1.5	47
115	Norway maple displays greater seasonal growth and phenotypic plasticity to light than native sugar maple. <i>Tree Physiology</i> , 2012, 32, 1339-1347.	3.1	47
116	Phenotypic plasticity to light of two congeneric trees from contrasting habitats: Brazilian Atlantic Forest versus cerrado (savanna). <i>Plant Biology</i> , 2012, 14, 208-215.	3.8	46
117	Competition may explain the fine-scale spatial patterns and genetic structure of two co-occurring plant congeners. <i>Journal of Ecology</i> , 2011, 99, 838-848.	4.0	44
118	UV radiation increases phenolic compound protection but decreases reproduction in <i>Silene littorea</i> . <i>PLoS ONE</i> , 2020, 15, e0231611.	2.5	44
119	Plasticity influencing the light compensation point offsets the specialization for light niches across shrub species in a tropical forest understorey. <i>Journal of Ecology</i> , 2013, 101, 971-980.	4.0	42
120	Effects of forest fragmentation on the oak-rodent mutualism. <i>Oikos</i> , 2015, 124, 1482-1491.	2.7	42
121	Traits fonctionnels et plasticité en relation avec les performances de semis de ligneux méditerranéens sous ombrage et en situation de sécheresse. <i>Annals of Forest Science</i> , 2008, 65, 311-311.	2.0	41
122	Homeostasis of respiration under drought and its important consequences for foliar carbon balance in a drier climate: insights from two contrasting <i>Acacia</i> species. <i>Functional Plant Biology</i> , 2010, 37, 323.	2.1	41
123	Contrasting growth and mortality responses to climate warming of two pine species in a continental Mediterranean ecosystem. <i>Forest Ecology and Management</i> , 2016, 363, 149-158.	3.2	41
124	The Ratio of Leaf to Total Photosynthetic Area Influences Shade Survival and Plastic Response to Light of Green-stemmed Leguminous Shrub Seedlings. <i>Annals of Botany</i> , 2003, 91, 577-584.	2.9	40
125	Climbing plants in a temperate rainforest understorey: searching for high light or coping with deep shade?. <i>Annals of Botany</i> , 2011, 108, 231-239.	2.9	40
126	Fungal disease incidence along tree diversity gradients depends on latitude in European forests. <i>Ecology and Evolution</i> , 2016, 6, 2426-2438.	1.9	40

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127	Climatic factors shaping intraspecific leaf trait variation of a neotropical tree along a rainfall gradient. <i>PLoS ONE</i> , 2018, 13, e0208512.	2.5	40
128	Seedling survival responses to irradiance are differentially influenced by low-water availability in four tree species of the Iberian cool temperate Mediterranean ecotone. <i>Acta Oecologica</i> , 2006, 30, 322-332.	1.1	39
129	Fall fertilization of Holm oak affects N and P dynamics, root growth potential, and post-planting phenology and growth. <i>Annals of Forest Science</i> , 2011, 68, 647-656.	2.0	39
130	Phenotypic correlates of potential range size and range filling in European trees. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2014, 16, 219-227.	2.7	39
131	Population variation and natural selection on leaf traits in cork oak throughout its distribution range. <i>Acta Oecologica</i> , 2014, 58, 49-56.	1.1	39
132	Title is missing!. <i>Plant and Soil</i> , 2002, 240, 253-262.	3.7	38
133	Leaf phyllotaxis: Does it really affect light capture?. <i>Plant Ecology</i> , 2004, 174, 11-17.	1.6	38
134	Direct and Indirect Effects of Climate on Demography and Early Growth of <i>Pinus sylvestris</i> at the Rear Edge: Changing Roles of Biotic and Abiotic Factors. <i>PLoS ONE</i> , 2013, 8, e59824.	2.5	38
135	Trait-based plant ecology: moving towards a unifying species coexistence theory. <i>Oecologia</i> , 2016, 180, 919-922.	2.0	38
136	A major trade-off between structural and photosynthetic investments operative across plant and needle ages in three Mediterranean pines. <i>Tree Physiology</i> , 2018, 38, 543-557.	3.1	38
137	Growth versus storage: responses of Mediterranean oak seedlings to changes in nutrient and water availabilities. <i>Annals of Forest Science</i> , 2007, 64, 201-210.	2.0	37
138	Global change and Mediterranean forests: current impacts and potential responses. , 2014, , 47-76.		37
139	Water Storage in the Lichen Family Umbilicariaceae. <i>Botanica Acta</i> , 1998, 111, 99-107.	1.6	36
140	Flower size and longevity influence florivory in the large-flowered shrub <i>Cistus ladanifer</i> . <i>Acta Oecologica</i> , 2011, 37, 418-421.	1.1	36
141	Intrathalline variability of some structural and physical parameters in the lichen genus <i>Lasallia</i> . <i>Canadian Journal of Botany</i> , 1994, 72, 415-428.	1.1	35
142	Tertiary relict trees in a Mediterranean climate: abiotic constraints on the persistence of <i>Prunus lusitanica</i> at the eroding edge of its range. <i>Journal of Biogeography</i> , 2008, 35, 1425-1435.	3.0	35
143	Influence of species interactions on transpiration of Mediterranean tree species during a summer drought. <i>European Journal of Forest Research</i> , 2015, 134, 365-376.	2.5	35
144	Taxonomic and ecological relevance of the chlorophyll fluorescence signature of tree species in mixed European forests. <i>New Phytologist</i> , 2016, 212, 51-65.	7.3	35

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145	Conifer proportion explains fine root biomass more than tree species diversity and site factors in major European forest types. <i>Forest Ecology and Management</i> , 2017, 406, 330-350.	3.2	34
146	The Architecture of Plant Crowns. <i>Books in Soils, Plants, and the Environment</i> , 2007, , .	0.1	34
147	Functional traits related to seedling performance in the Mediterranean leguminous shrub <i>Retama sphaerocarpa</i> : Insights from a provenance, fertilization, and rhizobial inoculation study. <i>Environmental and Experimental Botany</i> , 2008, 64, 145-154.	4.2	33
148	Early-successional vegetation changes after roadside prairie restoration modify processes related with soil functioning by changing microbial functional diversity. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1245-1253.	8.8	33
149	Improving revegetation of gypsum slopes is not a simple matter of adding native species: Insights from a multispecies experiment. <i>Ecological Engineering</i> , 2007, 30, 67-77.	3.6	32
150	Colonization of Abandoned Land by <i>Juniperus thurifera</i> Is Mediated by the Interaction of a Diverse Dispersal Assemblage and Environmental Heterogeneity. <i>PLoS ONE</i> , 2012, 7, e46993.	2.5	32
151	Differential impact of the most extreme drought event over the last half century on growth and sap flow in two coexisting Mediterranean trees. <i>Plant Ecology</i> , 2014, 215, 703-719.	1.6	32
152	Recruitment patterns of four tree species along elevation gradients in Mediterranean mountains: Not only climate matters. <i>Forest Ecology and Management</i> , 2016, 360, 287-296.	3.2	32
153	Phylogeny and the prediction of tree functional diversity across novel continental settings. <i>Global Ecology and Biogeography</i> , 2017, 26, 553-562.	5.8	31
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