

Jorge Castro

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

8,702
citations

36
h-index

91
g-index

91
ext. papers

9,803
ext. citations

4.6
avg, IF

5.65
L-index

#	Paper	IF	Citations
90	A global overview of drought and heat-induced tree mortality reveals emerging climate change risks for forests. <i>Forest Ecology and Management</i> , 2010 , 259, 660-684	3.9	4344
89	APPLYING PLANT FACILITATION TO FOREST RESTORATION: A META-ANALYSIS OF THE USE OF SHRUBS AS NURSE PLANTS 2004 , 14, 1128-1138		601
88	Seedling establishment of a boreal tree species (<i>Pinus sylvestris</i>) at its southernmost distribution limit: consequences of being in a marginal Mediterranean habitat. <i>Journal of Ecology</i> , 2004 , 92, 266-277	6	302
87	Use of Shrubs as Nurse Plants: A New Technique for Reforestation in Mediterranean Mountains. <i>Restoration Ecology</i> , 2002 , 10, 297-305	3.1	196
86	Benefits of Using Shrubs as Nurse Plants for Reforestation in Mediterranean Mountains: A 4-Year Study. <i>Restoration Ecology</i> , 2004 , 12, 352-358	3.1	194
85	Impacts of salvage logging on biodiversity: a meta-analysis. <i>Journal of Applied Ecology</i> , 2018 , 55, 279-289	5.8	173
84	Pine processionary caterpillar <i>Thaumetopoea pityocampa</i> as a new threat for relict Mediterranean Scots pine forests under climatic warming. <i>Biological Conservation</i> , 2003 , 110, 123-129	6.2	142
83	Oak seedling survival and growth along resource gradients in Mediterranean forests: implications for regeneration in current and future environmental scenarios. <i>Oikos</i> , 2008 , 117, 1683-1699	4	127
82	Facilitation of tree saplings by nurse plants: Microhabitat amelioration or protection against herbivores?. <i>Journal of Vegetation Science</i> , 2008 , 19, 161-172	3.1	126
81	Seed predation and dispersal in relict Scots pine forests in southern Spain. <i>Plant Ecology</i> , 1999 , 145, 115-123	1.7	117
80	Yew (<i>Taxus baccata</i> L.) regeneration is facilitated by fleshy-fruited shrubs in Mediterranean environments. <i>Biological Conservation</i> , 2000 , 95, 31-38	6.2	110
79	Reassessing global change research priorities in mediterranean terrestrial ecosystems: how far have we come and where do we go from here?. <i>Global Ecology and Biogeography</i> , 2015 , 24, 25-43	6.1	95
78	Effect of browsing by ungulates on sapling growth of Scots pine in a Mediterranean environment: consequences for forest regeneration. <i>Forest Ecology and Management</i> , 2001 , 144, 33-42	3.9	94
77	Salvage Logging Versus the Use of Burnt Wood as a Nurse Object to Promote Post-Fire Tree Seedling Establishment. <i>Restoration Ecology</i> , 2011 , 19, 537-544	3.1	93
76	Alleviation of Summer Drought Boosts Establishment Success of <i>Pinus sylvestris</i> in a Mediterranean Mountain: An Experimental Approach. <i>Plant Ecology</i> , 2005 , 181, 191-202	1.7	89
75	Seed mass versus seedling performance in Scots pine: a maternally dependent trait. <i>New Phytologist</i> , 1999 , 144, 153-161	9.8	82
74	Host utilisation by moth and larval survival of pine processionary caterpillar <i>Thaumetopoea pityocampa</i> in relation to food quality in three <i>Pinus</i> species. <i>Ecological Entomology</i> , 2002 , 27, 292-301	2.1	73

73	Soil-nutrient availability under a global-change scenario in a Mediterranean mountain ecosystem. <i>Global Change Biology</i> , 2011 , 17, 1646-1657	11.4	71
72	A seeding experiment for testing tree-community recruitment under variable environments: Implications for forest regeneration and conservation in Mediterranean habitats. <i>Biological Conservation</i> , 2009 , 142, 1491-1499	6.2	61
71	Experimental test of postfire management in pine forests: impact of salvage logging versus partial cutting and nonintervention on bird-species assemblages. <i>Conservation Biology</i> , 2010 , 24, 810-9	6	57
70	Litter, warming and plants affect respiration and allocation of soil microbial and plant C, N and P in arctic mesocosms. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 1129-1139	7.5	55
69	Short delay in timing of emergence determines establishment success in <i>Pinus sylvestris</i> across microhabitats. <i>Annals of Botany</i> , 2006 , 98, 1233-40	4.1	54
68	Mechanisms blocking <i>Pinus sylvestris</i> colonization of Mediterranean mountain meadows. <i>Journal of Vegetation Science</i> , 2002 , 13, 725-731	3.1	54
67	Restoring <i>Quercus pyrenaica</i> forests using pioneer shrubs as nurse plants. <i>Applied Vegetation Science</i> , 2006 , 9, 137	3.3	50
66	Post-fire soil respiration in relation to burnt wood management in a Mediterranean mountain ecosystem. <i>Forest Ecology and Management</i> , 2011 , 261, 1436-1447	3.9	49
65	Post-fire salvage logging alters species composition and reduces cover, richness, and diversity in Mediterranean plant communities. <i>Journal of Environmental Management</i> , 2014 , 133, 323-31	7.9	48
64	Salvage logging effects on regulating and supporting ecosystem services: a systematic map. <i>Canadian Journal of Forest Research</i> , 2018 , 48, 983-1000	1.9	48
63	Post-fire salvage logging alters a key plant-animal interaction for forest regeneration. <i>Ecosphere</i> , 2012 , 3, art90	3.1	47
62	Sporadic rainy events are more critical than increasing of drought intensity for woody species recruitment in a Mediterranean community. <i>Oecologia</i> , 2012 , 169, 833-44	2.9	46
61	Restoring <i>Quercus pyrenaica</i> forests using pioneer shrubs as nurse plants. <i>Applied Vegetation Science</i> , 2006 , 9, 137-142	3.3	46
60	Ungulate damage on Scots pines in Mediterranean environments: effects of association with shrubs. <i>Canadian Journal of Botany</i> , 2001 , 79, 739-746		46
59	Post-fire salvage logging reduces carbon sequestration in Mediterranean coniferous forest. <i>Forest Ecology and Management</i> , 2011 , 262, 2287-2296	3.9	42
58	Effect of decomposing post-fire coarse woody debris on soil fertility and nutrient availability in a Mediterranean ecosystem. <i>Biogeochemistry</i> , 2013 , 112, 519-535	3.8	40
57	Biomass allocation and growth responses of Scots pine saplings to simulated herbivory depend on plant age and light availability. <i>Plant Ecology</i> , 2008 , 197, 229-238	1.7	39
56	Post-fire wood management alters water stress, growth, and performance of pine regeneration in a Mediterranean ecosystem. <i>Forest Ecology and Management</i> , 2013 , 308, 231-239	3.9	36

55	Efficiency of endozoochorous seed dispersal in six dry-fruited species (Cistaceae): from seed ingestion to early seedling establishment. <i>Plant Ecology</i> , 2006 , 185, 97-106	1.7	36
54	The "isohydric trap": A proposed feedback between water shortage, stomatal regulation, and nutrient acquisition drives differential growth and survival of European pines under climatic dryness. <i>Global Change Biology</i> , 2018 , 24, 4069-4083	11.4	36
53	Growth and stable isotope signals associated with drought-related mortality in saplings of two coexisting pine species. <i>Oecologia</i> , 2013 , 173, 1613-24	2.9	33
52	Interactions between plants, litter and microbes in cycling of nitrogen and phosphorus in the arctic. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 526-532	7.5	33
51	Limits of pine forest distribution at the treeline: herbivory matters. <i>Plant Ecology</i> , 2012 , 213, 459-469	1.7	32
50	Post-fire salvage logging increases restoration costs in a Mediterranean mountain ecosystem. <i>New Forests</i> , 2012 , 43, 601-613	2.6	32
49	Feast and famine: previous defoliation limiting survival of pine processionary caterpillar <i>Thaumetopoea pityocampa</i> in Scots pine <i>Pinus sylvestris</i> . <i>Acta Oecologica</i> , 2004 , 26, 203-210	1.7	31
48	Effects of resource availability on plant recruitment at the community level in a Mediterranean mountain ecosystem. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2011 , 13, 277-285	3	28
47	Effect of Simulated Climate Change on Soil Respiration in a Mediterranean-Type Ecosystem: Rainfall and Habitat Type are More Important than Temperature or the Soil Carbon Pool. <i>Ecosystems</i> , 2012 , 15, 299-310	3.9	27
46	Evidence for plant traits driving specific drought resistance. A community field experiment. <i>Environmental and Experimental Botany</i> , 2012 , 81, 55-61	5.9	26
45	Management of burnt wood after fire affects post-dispersal acorn predation. <i>Forest Ecology and Management</i> , 2010 , 260, 345-352	3.9	26
44	Evidence that the negative relationship between seed mass and relative growth rate is not physiological but linked to species identity: a within-family analysis of Scots pine. <i>Tree Physiology</i> , 2008 , 28, 1077-82	4.2	26
43	Estimating retention benchmarks for salvage logging to protect biodiversity. <i>Nature Communications</i> , 2020 , 11, 4762	17.4	26
42	Suitability of the management of habitat complexity, acorn burial depth, and a chemical repellent for post-fire reforestation of oaks. <i>Ecological Engineering</i> , 2013 , 53, 15-22	3.9	25
41	Differential impact of hotter drought on seedling performance of five ecologically distinct pine species. <i>Plant Ecology</i> , 2017 , 218, 201-212	1.7	25
40	Salvage logging effects on regulating ecosystem services and fuel loads. <i>Frontiers in Ecology and the Environment</i> , 2020 , 18, 391-400	5.5	24
39	Repercussions of Simulated Climate Change on the Diversity of Woody-Recruit Bank in a Mediterranean-type Ecosystem. <i>Ecosystems</i> , 2011 , 14, 672-682	3.9	24
38	Charred wood remaining after a wildfire as a reservoir of macro- and micronutrients in a Mediterranean pine forest. <i>International Journal of Wildland Fire</i> , 2013 , 22, 681	3.2	23

37	Shifting demographic conflicts across recruitment cohorts in a dynamic post-disturbance landscape. <i>Ecology</i> , 2016 , 97, 2628-2639	4.6	22
36	The contribution of insects to global forest deadwood decomposition. <i>Nature</i> , 2021 , 597, 77-81	50.4	21
35	An ecosystem services approach to the ecological effects of salvage logging: valuation of seed dispersal 2017 , 27, 1057-1063		18
34	Habitat complexity and individual acorn protectors enhance the post-fire restoration of oak forests via seed sowing. <i>Ecological Engineering</i> , 2015 , 83, 276-280	3.9	18
33	A new device to foster oak forest restoration via seed sowing. <i>New Forests</i> , 2015 , 46, 919-929	2.6	18
32	Does post-disturbance salvage logging affect the provision of ecosystem services? A systematic review protocol. <i>Environmental Evidence</i> , 2015 , 4,	3.3	16
31	Fall rate of burnt pines across an elevational gradient in a Mediterranean mountain. <i>European Journal of Forest Research</i> , 2017 , 136, 401-409	2.7	14
30	Effective nut dispersal by magpies (<i>Pica pica</i> L.) in a Mediterranean agroecosystem. <i>Oecologia</i> , 2017 , 184, 183-192	2.9	14
29	Restoring for the present or restoring for the future: enhanced performance of two sympatric oaks (<i>Quercus ilex</i> and <i>Quercus pyrenaica</i>) above the current forest limit. <i>Restoration Ecology</i> , 2015 , 23, 936-946	3.1	14
28	Ungulate damage on Scots pines in Mediterranean environments: effects of association with shrubs. <i>Canadian Journal of Botany</i> , 2001 , 79, 739-746		14
27	Gas exchange at whole plant level shows that a less conservative water use is linked to a higher performance in three ecologically distinct pine species. <i>Environmental Research Letters</i> , 2018 , 13, 045004	6.2	13
26	Tamm Review: Direct seeding to restore oak (<i>Quercus</i> spp.) forests and woodlands. <i>Forest Ecology and Management</i> , 2019 , 448, 474-489	3.9	13
25	Ecology of seed germination of <i>Pinus sylvestris</i> L. at its southern, Mediterranean distribution range. <i>Investigacion Agraria Sistemas Y Recursos Forestales</i> , 2005 , 14, 143		13
24	Salvage logging changes the taxonomic, phylogenetic and functional successional trajectories of forest bird communities. <i>Journal of Applied Ecology</i> , 2020 , 57, 1103-1112	5.8	12
23	Precision restoration: a necessary approach to foster forest recovery in the 21st century. <i>Restoration Ecology</i> , 2021 , 29, e13421	3.1	12
22	Post-Fire Salvage Logging Imposes a New Disturbance that Retards Succession: The Case of Bryophyte Communities in a Macaronesian Laurel Forest. <i>Forests</i> , 2017 , 8, 252	2.8	11
21	From the individual to the landscape and back: time-varying effects of climate and herbivory on tree sapling growth at distribution limits. <i>Journal of Ecology</i> , 2016 , 104, 430-442	6	11
20	Massive and effective acorn dispersal into agroforestry systems by an overlooked vector, the Eurasian magpie (<i>Pica pica</i>). <i>Ecosphere</i> , 2019 , 10, e02989	3.1	11

19	Soil nutrients and microbial biomass in three contrasting Mediterranean forests. <i>Plant and Soil</i> , 2014 , 380, 57-72	4.2	10
18	Mechanisms blocking <i>Pinus sylvestris</i> colonization of Mediterranean mountain meadows. <i>Journal of Vegetation Science</i> , 2002 , 13, 725	3.1	10
17	Effect of thermal shock and ruminal incubation on seed germination in <i>Helianthemum apenninum</i> (L.) Mill. (Cistaceae).. <i>Acta Botanica Malacitana</i> , 2017 , 27, 41-47		8
16	Deadwood Decay in a Burnt Mediterranean Pine Reforestation. <i>Forests</i> , 2017 , 8, 158	2.8	6
15	Arid environments select for larger seeds in pines (<i>Pinus</i> spp.). <i>Evolutionary Ecology</i> , 2020 , 34, 11-26	1.8	6
14	Effectiveness of Diesel as a Mammal Repellent for Direct Seeding of Acorns. <i>Forests</i> , 2017 , 8, 276	2.8	5
13	Effect of Herbaceous Layer Interference on the Post-Fire Regeneration of a Serotinous Pine (<i>Pinus pinaster</i> Aiton) across Two Seedling Ages. <i>Forests</i> , 2019 , 10, 74	2.8	5
12	The evolution of seed dispersal is associated with environmental heterogeneity in <i>Pinus</i> . <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2019 , 41, 125464	3	4
11	Effects of Post-Fire Deadwood Management on Soil Macroarthropod Communities. <i>Forests</i> , 2019 , 10, 1046	2.8	4
10	Decadal effect of post-fire management treatments on soil carbon and nutrient concentrations in a burnt Mediterranean forest. <i>Forest Ecology and Management</i> , 2021 , 498, 119570	3.9	4
9	Postfire Burnt-Wood Management Affects Plant Damage by Ungulate Herbivores. <i>International Journal of Forestry Research</i> , 2013 , 2013, 1-6	0.7	3
8	Precise cache detection by olfaction in a scatter-hoarder bird. <i>Animal Behaviour</i> , 2020 , 167, 185-191	2.8	3
7	Seeding or planting to revegetate the world's degraded land: systematic review and experimentation to address methodological issues. <i>Restoration Ecology</i> , 2021 , 29, e13372	3.1	3
6	Post-fire Restoration of Mediterranean Pine Forests. <i>Managing Forest Ecosystems</i> , 2021 , 537-565	0.7	2
5	Caching territoriality and site preferences by a scatter-hoarder drive the spatial pattern of seed dispersal and affect seedling emergence. <i>Journal of Ecology</i> , 2021 , 109, 2342-2353	6	2
4	Cache Marking under Field Conditions does not Affect Nut Recovery Rate by the Eurasian Magpie <i>Pica pica</i> , A Scatter-Hoarder Corvid. <i>Ardeola</i> , 2019 , 66, 77	1.1	1
3	The monk parakeet (<i>Myiopsitta monachus</i>) as a potential pest for agriculture in the Mediterranean basin. <i>Biological Invasions</i> , 2022 , 24, 895-903	2.7	0
2	Restoration of Mediterranean Forest Ecosystems After Major Disturbances: The Lanjarón Post-fire Experiment Over 15 Years of Succession 2022 , 229-241		0

- 1 Low acclimation potential compromises the performance of water-stressed pine saplings under Mediterranean xeric conditions.. *Science of the Total Environment*, **2022**, 154797 10.2