Jorge Castro

List of Publications by Year in Descending Order

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	Low acclimation potential compromises the performance of water-stressed pine saplings under Mediterranean xeric conditions.. *Science of the Total Environment*, **2022**, 154797	10.2	
89	The monk parakeet (Myiopsitta monachus) as a potential pest for agriculture in the Mediterranean basin. *Biological Invasions*, **2022**, 24, 895-903	2.7	0
88	Restoration of Mediterranean Forest Ecosystems After Major Disturbances: The Lanjarón Post-fire Experiment Over 15 Years of Succession **2022**, 229-241		0
87	Post-fire Restoration of Mediterranean Pine Forests. *Managing Forest Ecosystems*, **2021**, 537-565	0.7	2
86	Caching territoriality and site preferences by a scatter-hoarder drive the spatial pattern of seed dispersal and affect seedling emergence. *Journal of Ecology*, **2021**, 109, 2342-2353	6	2
85	Seeding or planting to revegetate the world's degraded land: systematic review and experimentation to address methodological issues. *Restoration Ecology*, **2021**, 29, e13372	3.1	3
84	Precision restoration: a necessary approach to foster forest recovery in the 21st century. *Restoration Ecology*, **2021**, 29, e13421	3.1	12
83	The contribution of insects to global forest deadwood decomposition. *Nature*, **2021**, 597, 77-81	50.4	21
82	Decadal effect of post-fire management treatments on soil carbon and nutrient concentrations in a burnt Mediterranean forest. *Forest Ecology and Management*, **2021**, 498, 119570	3.9	4
81	Salvage logging effects on regulating ecosystem services and fuel loads. *Frontiers in Ecology and the Environment*, **2020**, 18, 391-400	5.5	24
80	Salvage logging changes the taxonomic, phylogenetic and functional successional trajectories of forest bird communities. *Journal of Applied Ecology*, **2020**, 57, 1103-1112	5.8	12
79	Arid environments select for larger seeds in pines (Pinus spp.). *Evolutionary Ecology*, **2020**, 34, 11-26	1.8	6
78	Estimating retention benchmarks for salvage logging to protect biodiversity. *Nature Communications*, **2020**, 11, 4762	17.4	26
77	Precise cache detection by olfaction in a scatter-hoarder bird. *Animal Behaviour*, **2020**, 167, 185-191	2.8	3
76	Tamm Review: Direct seeding to restore oak (Quercus spp.) forests and woodlands. *Forest Ecology and Management*, **2019**, 448, 474-489	3.9	13
75	The evolution of seed dispersal is associated with environmental heterogeneity in Pinus. *Perspectives in Plant Ecology, Evolution and Systematics*, **2019**, 41, 125464	3	4
74	Cache Marking under Field Conditions does not Affect Nut Recovery Rate by the Eurasian Magpie Pica pica, A Scatter-Hoarder Corvid. *Ardeola*, **2019**, 66, 77	1.1	1

73	Massive and effective acorn dispersal into agroforestry systems by an overlooked vector, the Eurasian magpie (Pica pica). *Ecosphere*, **2019**, 10, e02989	3.1	11
72	Effect of Herbaceous Layer Interference on the Post-Fire Regeneration of a Serotinous Pine (Pinus pinaster Aiton) across Two Seedling Ages. *Forests*, **2019**, 10, 74	2.8	5
71	Effects of Post-Fire Deadwood Management on Soil Macroarthropod Communities. *Forests*, **2019**, 10, 1046	2.8	4
70	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. *Environmental Research Letters*, **2018**, 13, 045004	6.2	13
69	Impacts of salvage logging on biodiversity: a meta-analysis. *Journal of Applied Ecology*, **2018**, 55, 279-289	5.8	173
68	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. *Global Change Biology*, **2018**, 24, 4069-4083	11.4	36
67	Salvage logging effects on regulating and supporting ecosystem services a systematic map. *Canadian Journal of Forest Research*, **2018**, 48, 983-1000	1.9	48
66	An ecosystem services approach to the ecological effects of salvage logging: valuation of seed dispersal **2017**, 27, 1057-1063		18
65	Fall rate of burnt pines across an elevational gradient in a Mediterranean mountain. *European Journal of Forest Research*, **2017**, 136, 401-409	2.7	14
64	Effective nut dispersal by magpies (Pica pica L.) in a Mediterranean agroecosystem. *Oecologia*, **2017** , 184, 183-192	2.9	14
63	Differential impact of hotter drought on seedling performance of five ecologically distinct pine species. *Plant Ecology*, **2017**, 218, 201-212	1.7	25
62	Deadwood Decay in a Burnt Mediterranean Pine Reforestation. *Forests*, **2017**, 8, 158	2.8	6
61	Post-Fire Salvage Logging Imposes a New Disturbance that Retards Succession: The Case of Bryophyte Communities in a Macaronesian Laurel Forest. *Forests*, **2017**, 8, 252	2.8	11
60	Effectiveness of Diesel as a Mammal Repellent for Direct Seeding of Acorns. *Forests*, **2017**, 8, 276	2.8	5
59	From the individual to the landscape and back: time-varying effects of climate and herbivory on tree sapling growth at distribution limits. *Journal of Ecology*, **2016**, 104, 430-442	6	11
58	Shifting demographic conflicts across recruitment cohorts in a dynamic post-disturbance landscape. *Ecology*, **2016**, 97, 2628-2639	4.6	22
57	Habitat complexity and individual acorn protectors enhance the post-fire restoration of oak forests via seed sowing. *Ecological Engineering*, **2015**, 83, 276-280	3.9	18
56	Does post-disturbance salvage logging affect the provision of ecosystem services? A systematic review protocol. *Environmental Evidence*, **2015**, 4,	3.3	16

55	Restoring for the present or restoring for the future: enhanced performance of two sympatric oaks (Quercus ilex and Quercus pyrenaica) above the current forest limit. *Restoration Ecology*, **2015**, 23, 936-946	3.1	14
54	A new device to foster oak forest restoration via seed sowing. *New Forests*, **2015**, 46, 919-929	2.6	18
53	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
52	Soil nutrients and microbial biomass in three contrasting Mediterranean forests. *Plant and Soil*, **2014**, 380, 57-72	4.2	10
51	Post-fire salvage logging alters species composition and reduces cover, richness, and diversity in Mediterranean plant communities. *Journal of Environmental Management*, **2014**, 133, 323-31	7.9	48
50	Charred wood remaining after a wildfire as a reservoir of macro- and micronutrients in a Mediterranean pine forest. *International Journal of Wildland Fire*, **2013**, 22, 681	3.2	23
49	Growth and stable isotope signals associated with drought-related mortality in saplings of two coexisting pine species. *Oecologia*, **2013**, 173, 1613-24	2.9	33
48	Suitability of the management of habitat complexity, acorn burial depth, and a chemical repellent for post-fire reforestation of oaks. *Ecological Engineering*, **2013**, 53, 15-22	3.9	25
47	Post-fire wood management alters water stress, growth, and performance of pine regeneration in a Mediterranean ecosystem. *Forest Ecology and Management*, **2013**, 308, 231-239	3.9	36
46	Effect of decomposing post-fire coarse woody debris on soil fertility and nutrient availability in a Mediterranean ecosystem. *Biogeochemistry*, **2013**, 112, 519-535	3.8	40
45	Postfire Burnt-Wood Management Affects Plant Damage by Ungulate Herbivores. *International Journal of Forestry Research*, **2013**, 2013, 1-6	0.7	3
44	Evidence for plant traits driving specific drought resistance. A community field experiment. *Environmental and Experimental Botany*, **2012**, 81, 55-61	5.9	26
43	Limits of pine forest distribution at the treeline: herbivory matters. *Plant Ecology*, **2012**, 213, 459-469	1.7	32
42	Post-fire salvage logging increases restoration costs in a Mediterranean mountain ecosystem. *New Forests*, **2012**, 43, 601-613	2.6	32
41	Sporadic rainy events are more critical than increasing of drought intensity for woody species recruitment in a Mediterranean community. *Oecologia*, **2012**, 169, 833-44	2.9	46
40	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. *Ecosystems*, **2012**, 15, 299-310	3.9	27
39	Post-fire salvage logging alters a key plant-animal interaction for forest regeneration. *Ecosphere*, **2012**, 3, art90	3.1	47
38	Post-fire soil respiration in relation to burnt wood management in a Mediterranean mountain ecosystem. *Forest Ecology and Management*, **2011**, 261, 1436-1447	3.9	49

37	Post-fire salvage logging reduces carbon sequestration in Mediterranean coniferous forest. *Forest Ecology and Management*, **2011**, 262, 2287-2296	3.9	42
36	Effects of resource availability on plant recruitment at the community level in a Mediterranean mountain ecosystem. *Perspectives in Plant Ecology, Evolution and Systematics*, **2011**, 13, 277-285	3	28
35	Soil-nutrient availability under a global-change scenario in a Mediterranean mountain ecosystem. *Global Change Biology*, **2011**, 17, 1646-1657	11.4	71
34	Salvage Logging Versus the Use of Burnt Wood as a Nurse Object to Promote Post-Fire Tree Seedling Establishment. *Restoration Ecology*, **2011**, 19, 537-544	3.1	93
33	Repercussions of Simulated Climate Change on the Diversity of Woody-Recruit Bank in a Mediterranean-type Ecosystem. *Ecosystems*, **2011**, 14, 672-682	3.9	24
32	A global overview of drought and heat-induced tree mortality reveals emerging climate change risks for forests. *Forest Ecology and Management*, **2010**, 259, 660-684	3.9	4344
31	Management of burnt wood after fire affects post-dispersal acorn predation. *Forest Ecology and Management*, **2010**, 260, 345-352	3.9	26
30	Experimental test of postfire management in pine forests: impact of salvage logging versus partial cutting and nonintervention on bird-species assemblages. *Conservation Biology*, **2010**, 24, 810-9	6	57
29	A seeding experiment for testing tree-community recruitment under variable environments: Implications for forest regeneration and conservation in Mediterranean habitats. *Biological Conservation*, **2009**, 142, 1491-1499	6.2	61
28	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. *Tree Physiology*, **2008**, 28, 1077-82	4.2	26
27	Biomass allocation and growth responses of Scots pine saplings to simulated herbivory depend on plant age and light availability. *Plant Ecology*, **2008**, 197, 229-238	1.7	39
26	Facilitation of tree saplings by nurse plants: Microhabitat amelioration or protection against herbivores?. *Journal of Vegetation Science*, **2008**, 19, 161-172	3.1	126
25	Oak seedling survival and growth along resource gradients in Mediterranean forests: implications for regeneration in current and future environmental scenarios. *Oikos*, **2008**, 117, 1683-1699	4	127
24	Interactions between plants, litter and microbes in cycling of nitrogen and phosphorus in the arctic. *Soil Biology and Biochemistry*, **2006**, 38, 526-532	7.5	33
23	Short delay in timing of emergence determines establishment success in Pinus sylvestris across microhabitats. *Annals of Botany*, **2006**, 98, 1233-40	4.1	54
22	Restoring Quercus pyrenaica forests using pioneer shrubs as nurse plants. *Applied Vegetation Science*, **2006**, 9, 137	3.3	50
21	Restoring Quercus pyrenaica forests using pioneer shrubs as nurse plants. *Applied Vegetation Science*, **2006**, 9, 137-142	3.3	46
20	Efficiency of endozoochorous seed dispersal in six dry-fruited species (Cistaceae): from seed ingestion to early seedling establishment. *Plant Ecology*, **2006**, 185, 97-106	1.7	36

19	Alleviation of Summer Drought Boosts Establishment Success of Pinus sylvestris in a Mediterranean Mountain: An Experimental Approach. *Plant Ecology*, **2005**, 181, 191-202	1.7	89
18	Ecology of seed germination of Pinus sylvestris L. at its southern, Mediterranean distribution range. *Investigacion Agraria Sistemas Y Recursos Forestales*, **2005**, 14, 143		13
17	Benefits of Using Shrubs as Nurse Plants for Reforestation in Mediterranean Mountains: A 4-Year Study. *Restoration Ecology*, **2004**, 12, 352-358	3.1	194
16	Seedling establishment of a boreal tree species (Pinus sylvestris) at its southernmost distribution limit: consequences of being in a marginal Mediterranean habitat. *Journal of Ecology*, **2004**, 92, 266-277	6	302
15	Litter, warming and plants affect respiration and allocation of soil microbial and plant C, N and P in arctic mesocosms. *Soil Biology and Biochemistry*, **2004**, 36, 1129-1139	7.5	55
14	APPLYING PLANT FACILITATION TO FOREST RESTORATION: A META-ANALYSIS OF THE USE OF SHRUBS AS NURSE PLANTS **2004**, 14, 1128-1138		601
13	Feast and famine: previous defoliation limiting survival of pine processionary caterpillar Thaumetopoea pityocampa in Scots pine Pinus sylvestris. *Acta Oecologica*, **2004**, 26, 203-210	1.7	31
12	Pine processionary caterpillar Thaumetopoea pityocampa as a new threat for relict Mediterranean Scots pine forests under climatic warming. *Biological Conservation*, **2003**, 110, 123-129	6.2	142
11	Use of Shrubs as Nurse Plants: A New Technique for Reforestation in Mediterranean Mountains. *Restoration Ecology*, **2002**, 10, 297-305	3.1	196
10	Mechanisms blocking Pinus sylvestris colonization of Mediterranean mountain meadows. *Journal of Vegetation Science*, **2002**, 13, 725-731	3.1	54
9	Host utilisation by moth and larval survival of pine processionary caterpillar Thaumetopoea pityocampa in relation to food quality in three Pinus species. *Ecological Entomology*, **2002**, 27, 292-301	2.1	73
8	Mechanisms blocking Pinus sylvestris colonization of Mediterranean mountain meadows. *Journal of Vegetation Science*, **2002**, 13, 725	3.1	10
7	Effect of browsing by ungulates on sapling growth of Scots pine in a Mediterranean environment: consequences for forest regeneration. *Forest Ecology and Management*, **2001**, 144, 33-42	3.9	94
6	Ungulate damage on Scots pines in Mediterranean environments: effects of association with shrubs. *Canadian Journal of Botany*, **2001**, 79, 739-746		14
5	Ungulate damage on Scots pines in Mediterranean environments: effects of association with shrubs. *Canadian Journal of Botany*, **2001**, 79, 739-746		46
4	Yew (Taxus baccata L.) regeneration is facilitated by fleshy-fruited shrubs in Mediterranean environments. *Biological Conservation*, **2000**, 95, 31-38	6.2	110
3	Seed mass versus seedling performance in Scots pine: a maternally dependent trait. *New Phytologist*, **1999**, 144, 153-161	9.8	82
2	Seed predation and dispersal in relict Scots pine forests in southern Spain. *Plant Ecology*, **1999**, 145, 115-123	1.7	117

1	Effect of thermal shock and ruminal incubation on seed germination in Helianthemum apenninum (L.) Mill. (Cistaceae).. *Acta Botanica Malacitana*,27, 41-47	8