

# Josã© Ramã³n Arã©valo

## List of Publications by Year in descending order

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119  
papers

3,197  
citations

218381  
26  
h-index

182168  
51  
g-index

120  
all docs

120  
docs citations

120  
times ranked

3568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ain't no mountain high enough: plant invasions reaching new elevations. <i>Frontiers in Ecology and the Environment</i> , 2009, 7, 479-486.	1.9	346
2	A reconstruction of Palaeo-Macaronesia, with particular reference to the long-term biogeography of the Atlantic island laurel forests. <i>Journal of Biogeography</i> , 2011, 38, 226-246.	1.4	298
3	Assembly of nonnative floras along elevational gradients explained by directional ecological filtering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 656-661.	3.3	257
4	Distribution of alien vs. native plant species in roadside communities along an altitudinal gradient in Tenerife and Gran Canaria (Canary Islands). <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2005, 7, 185-202.	1.1	172
5	Edge effects of roads on temperature, light, canopy cover, and canopy height in laurel and pine forests (Tenerife, Canary Islands). <i>Landscape and Urban Planning</i> , 2007, 81, 328-340.	3.4	143
6	Processes at multiple scales affect richness and similarity of non-native plant species in mountains around the world. <i>Global Ecology and Biogeography</i> , 2012, 21, 236-246.	2.7	120
7	The island immaturity - speciation pulse model of island evolution: an alternative to the "diversity begets diversity" model. <i>Ecography</i> , 2007, 30, 321-327.	2.1	97
8	Changes in the understory during 14 years following catastrophic windthrow in two Minnesota forests. <i>Journal of Vegetation Science</i> , 2000, 11, 841-854.	1.1	67
9	Mountain roads and non-native species modify elevational patterns of plant diversity. <i>Global Ecology and Biogeography</i> , 2018, 27, 667-678.	2.7	64
10	Windstorm damage and forest recovery: accelerated succession, stand structure, and spatial pattern over 25 years in two Minnesota forests. <i>Plant Ecology</i> , 2012, 213, 1833-1842.	0.7	57
11	Changes in two Minnesota forests during 14 years following catastrophic windthrow. <i>Journal of Vegetation Science</i> , 2000, 11, 833-840.	1.1	47
12	Regeneration strategies of tree species in the laurel forest of Tenerife (The Canary Islands). , 1998, 137, 21-29.		46
13	Floristic and structural recovery of a laurel forest community after clear-cutting: A 60 years chronosequence on La Palma (Canary Islands). <i>Annals of Forest Science</i> , 2007, 64, 109-119.	0.8	45
14	Spatial patterns of trees and juveniles in a laurel forest of Tenerife, Canary Islands. <i>Plant Ecology</i> , 2003, 165, 1-10.	0.7	44
15	Allometric relationships of different tree species and stand above ground biomass in the Gomera laurel forest (Canary Islands). <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2005, 200, 264-274.	0.6	44
16	How do alien plants distribute along roads on oceanic islands? A case study in Tenerife, Canary Islands. <i>Biological Invasions</i> , 2009, 11, 1071-1086.	1.2	44
17	Do anthropogenic corridors homogenize plant communities at a local scale? A case studied in Tenerife (Canary Islands). <i>Plant Ecology</i> , 2010, 209, 23-35.	0.7	43
18	Effect of lactation number, year, and season of initiation of lactation on milk yield of cows hormonally induced into lactation and treated with recombinant bovine somatotropin. <i>Journal of Dairy Science</i> , 2011, 94, 4524-4530.	1.4	42

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19	Treefall gap characteristics and regeneration in the laurel forest of Tenerife. <i>Journal of Vegetation Science</i> , 1998, 9, 297-306.	1.1	40
20	Vegetation change and chemical soil composition after 4 years of goat grazing exclusion in a Canary Islands pasture. <i>Agriculture, Ecosystems and Environment</i> , 2009, 132, 276-282.	2.5	38
21	The effect of fire intensity on the understorey species composition of two <i>Pinus canariensis</i> reforested stands in Tenerife (Canary Islands). <i>Forest Ecology and Management</i> , 2001, 148, 21-29.	1.4	35
22	Effects of thinning intensity on radial growth patterns and temperature sensitivity in <i>Pinus canariensis</i> afforestations on Tenerife Island, Spain. <i>Annals of Forest Science</i> , 2011, 68, 1093.	0.8	33
23	Road and topography effects on invasion: edge effects in rat foraging patterns in two oceanic island forests (Tenerife, Canary Islands). <i>Ecography</i> , 2001, 24, 539-546.	2.1	33
24	Ecological state equation. <i>Ecological Modelling</i> , 2012, 224, 18-24.	1.2	29
25	Seed bank analysis of tree species in two stands of the Tenerife laurel forest (Canary Islands). <i>Forest Ecology and Management</i> , 2000, 130, 177-185.	1.4	28
26	Treefall Gaps and Regeneration Composition in the Laurel Forest of Anaga (Tenerife): a Matter of Size?. <i>Plant Ecology</i> , 2007, 188, 133-143.	0.7	28
27	Contrasting effects of wildfire and climate on radial growth of <i>Pinus canariensis</i> on windward and leeward slopes on Tenerife, Canary Islands. <i>Trees - Structure and Function</i> , 2011, 25, 895-905.	0.9	28
28	Tree regeneration and future dynamics of the laurel forest on Tenerife, Canary Islands. <i>Journal of Vegetation Science</i> , 1999, 10, 861-868.	1.1	26
29	Pasture management under goat grazing on Canary Islands. <i>Agriculture, Ecosystems and Environment</i> , 2007, 118, 291-296.	2.5	26
30	Gradient analysis of exotic <i>Pinus radiata</i> plantations and potential restoration of natural vegetation in Tenerife, Canary Islands (Spain). <i>Acta Oecologica</i> , 2005, 27, 1-8.	0.5	24
31	Road edge effect on the abundance of the lizard <i>Gallotia galloti</i> (Sauria: Lacertidae) in two Canary Islands forests. <i>Biodiversity and Conservation</i> , 2007, 16, 2949-2963.	1.2	24
32	Relationships between soil parameters and vegetation in abandoned terrace fields vs. non-terraced fields in arid lands (Lanzarote, Spain): An opportunity for restoration. <i>Acta Oecologica</i> , 2017, 85, 77-84.	0.5	24
33	Changes in plant species composition and litter production in response to roads and trails in the laurel forest of Tenerife (Canary Islands). <i>Plant Biosystems</i> , 2008, 142, 614-622.	0.8	23
34	Relationships between spawn quality and biochemical composition of eggs and hatchlings of <i>Octopus vulgaris</i> under different parental diets. <i>Aquaculture</i> , 2015, 446, 206-216.	1.7	23
35	Human impact, climate and dispersal strategies determine plant invasion on islands. <i>Journal of Biogeography</i> , 2021, 48, 1889-1903.	1.4	23
36	Grazing effects on species composition in different vegetation types (La Palma, Canary Islands). <i>Acta Oecologica</i> , 2011, 37, 230-238.	0.5	22

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37	Biomass-dispersal trade-off and the functional meaning of species diversity. <i>Ecological Modelling</i> , 2013, 261-262, 8-18.	1.2	21
38	Road Edge Effect and Elevation Patterns of Native and Alien Plants on an Oceanic Island (Tenerife, Canary Islands). <i>Journal of Biogeography</i> , 2010, 37, 101-110.	0.4	21
39	Additive partitioning as a tool for investigating the flora diversity in oceanic archipelagos. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2010, 12, 83-91.	1.1	20
40	Productivity: key factor affecting grazing exclusion effects on vegetation and soil. <i>Plant Ecology</i> , 2013, 214, 641-656.	0.7	20
41	Seedling survival patterns in Macaronesian laurel forest: a long-term study in Tenerife (Canary Islands). <i>Journal of Biogeography</i> , 2010, 37, 111-120.	1.2	20
42	From Pine Plantations to Natural Stands. Ecological Restoration of a <i>Pinus canariensis</i> Sweet, ex Spreng forest. <i>Plant Ecology</i> , 2005, 181, 217-226.	0.7	19
43	Short-term effects of clear-cutting on the biomass and richness of epiphytic bryophytes in managed subtropical cloud forests. <i>Annals of Forest Science</i> , 2009, 66, 609-609.	0.8	19
44	The food habits of goats on rangelands with different amounts of fourwing saltbush ( <i>Atriplex</i> ) in Tenerife (Canary Islands). <i>Journal of Biogeography</i> , 2010, 37, 121-130.	1.2	19
45	Transferring and implementing the general dynamic model of oceanic island biogeography at the scale of island fragments: the roles of geological age and topography in plant diversification in the Canaries. <i>Journal of Biogeography</i> , 2016, 43, 911-922.	1.4	18
46	Ethnobotanical Survey of Useful Species in Bustamante, Nuevo LeÃ³n, Mexico. <i>Human Ecology</i> , 2018, 46, 117-132.	0.7	18
47	Local and large-scale climatic factors controlling tree-ring growth of <i>Pinus canariensis</i> on an oceanic island. <i>Climate Research</i> , 2013, 56, 197-207.	0.4	18
48	Species richness and soil reaction in a Northeastern Oklahoma landscape. <i>Folia Geobotanica</i> , 2003, 38, 381-389.	0.4	17
49	Tornado damage of <i>Quercus stellata</i> and <i>Quercus marilandica</i> in the Cross Timbers, Oklahoma, USA. <i>Journal of Vegetation Science</i> , 2006, 17, 347-352.	1.1	16
50	Variation in fleshy fruit fall composition in an island laurel forest of the Canary Islands. <i>Acta Oecologica</i> , 2007, 32, 152-160.	0.5	16
51	Grazing effects on species richness depends on scale: a 5-year study in Tenerife pastures (Canary Islands). <i>Journal of Biogeography</i> , 2010, 37, 131-140.	0.7	16
52	Long-term vegetation responses to different goat grazing regimes in semi-natural ecosystems: a case study in Tenerife (Canary Islands). <i>Applied Vegetation Science</i> , 2013, 16, 74-83.	0.9	16
53	Classification and ordination of main plant communities along an altitudinal gradient in the arid and temperate climates of northeastern Mexico. <i>Die Naturwissenschaften</i> , 2015, 102, 59.	0.6	16
54	The Mountain Invasion Research Network (MIREN). Linking Local and Global Scales for Addressing an Ecological Consequence of Global Change. <i>Gaia</i> , 2014, 23, 263-265.	0.3	15

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55	Regeneration niche of the Canarian juniper: the role of adults, shrubs and environmental conditions. <i>Annals of Forest Science</i> , 2010, 67, 709-709.	0.8	14
56	Responses of plant functional groups in grazed and abandoned areas of a Natural Protected Area. <i>Basic and Applied Ecology</i> , 2012, 13, 312-318.	1.2	13
57	Diversity and distribution of the last remnants of endemic juniper woodlands on Tenerife, Canary Islands. <i>Biodiversity and Conservation</i> , 2012, 21, 1811-1834.	1.2	13
58	Floristic richness of the Sierra de Zapalinam, Coahuila, Mexico. <i>Phytotaxa</i> , 2016, 283, 1.	0.1	13
59	Study of the establishment of the endangered <i>Echium acanthocarpum</i> (Boraginaceae) in the Canary Islands. <i>Biological Conservation</i> , 2000, 94, 183-190.	1.9	12
60	Invasion of the Gran Canaria ravines ecosystems (Canary Islands) by the exotic species <i>Acacia farnesiana</i> . <i>Plant Ecology</i> , 2010, 206, 185-193.	0.7	12
61	Relationship between litter birthweight and litter size in five goat genotypes. <i>Animal Production Science</i> , 2011, 51, 144.	0.6	12
62	Post-fire recovery of an endemic Canarian pine forest. <i>International Journal of Wildland Fire</i> , 2014, 23, 403.	1.0	12
63	Patterns of artificial avian nest predation by introduced rats in a fragmented laurel forest (Tenerife, Canary Islands). <i>Journal of Animal Ecology</i> , 2011, 80, 111-119.	0.2	11
64	Regeneration in a mixed stand of native <i>Pinus canariensis</i> and introduced <i>Pinus pinea</i> species. <i>Acta Oecologica</i> , 2005, 28, 87-94.	0.5	11
65	Offspring spatial patterns in <i>Picconia excelsa</i> (Oleaceae) in the Canarian laurel forest. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2006, 201, 642-651.	0.6	11
66	Plant species composition and richness in abandoned agricultural terraces vs. natural soils on Lanzarote (Canary Islands). <i>Journal of Arid Environments</i> , 2016, 124, 165-171.	1.2	11
67	Think globally, measure locally: The MIREN standardized protocol for monitoring plant species distributions along elevation gradients. <i>Ecology and Evolution</i> , 2022, 12, e8590.	0.8	11
68	Replacement value of <i>Solanum elaeagnifolium</i> for alfalfa hay offered to growing goats. <i>Journal of Arid Environments</i> , 2008, 72, 2034-2039.	1.2	10
69	Age and season effects on quality of diets selected by Criollo crossbred goats on rangeland. <i>Animal Production Science</i> , 2015, 55, 758.	0.6	10
70	Wildfire Impact and the "Fire Paradox" in a Natural and Endemic Pine Forest Stand and Shrubland. <i>Fire</i> , 2018, 1, 44.	1.2	10
71	Bird communities in two oceanic island forests fragmented by roads on Tenerife, Canary Islands. <i>Ostrich</i> , 2008, 79, 219-226.	0.4	9
72	Compositional and structural differences in two laurel forest stands (windward and leeward) on Tenerife, Canary Islands. <i>Journal of Forest Research</i> , 2012, 17, 184-192.	0.7	9

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73	Road edge effects on litter invertebrate communities of subtropical forests. <i>Journal of Natural History</i> , 2013, 47, 203-236.	0.2	9
74	Deposition of litter and nutrients in leaves and twigs in different plant communities of northeastern Mexico. <i>Journal of Forestry Research</i> , 2018, 29, 1307-1314.	1.7	9
75	Natural Regeneration of <i>Pinus canariensis</i> Chr. Sm. Ex DC in Buch in Forest Plantations After Thinning. <i>The Open Forest Science Journal</i> , 2008, 1, 54-60.	0.9	9
76	Selection for nutrients by pregnant goats on a microphyll desert scrub. <i>Animal</i> , 2011, 5, 972-979.	1.3	8
77	Experimental management control of <i>Oxypuntia dillenii</i> Haw. and <i>Agave americana</i> L. in Tenerife. In: <i>Trends in Plant Species Biology</i> , 2015, 30, 137-146.	0.6	8
78	Reconnection of Oxbow Lakes as an Effective Measure of River Restoration. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600211.	0.7	8
79	Effects of light/darkness, thermal shocks and inhibitory components on germination of <i>Pinus canariensis</i> , <i>Pinus halepensis</i> and <i>Pinus pinea</i> . <i>European Journal of Forest Research</i> , 2013, 132, 909-917.	1.1	7
80	Invasive fountain grass ( <i>Pennisetum setaceum</i> (Forssk.) Chiov.) increases its potential area of distribution in Tenerife island under future climatic scenarios. <i>Plant Ecology</i> , 2020, 221, 867-882.	0.7	7
81	Regeneration of potential laurel forest under a native canopy vs. exotic canopy, Tenerife (Canary) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	0.1	7
82	Tornado damage of <i>Quercus stellata</i> and <i>Quercus marilandica</i> in the Cross Timbers, Oklahoma, USA. <i>Journal of Vegetation Science</i> , 2006, 17, 347.	1.1	7
83	Laurel forest recovery during 20 years in an abandoned firebreak in Tenerife, Canary Islands. <i>Acta Oecologica</i> , 2008, 33, 1-9.	0.5	6
84	The effects of fire on the regeneration of a <i>Quercus douglasii</i> stand in Quail Ridge Reserve, Berryessa Valley (California). <i>Journal of Forest Research</i> , 2009, 14, 81-87.	0.7	6
85	Factors Influencing Birth and Weaning Weight in Canarian Hair Lambs. <i>Journal of Applied Animal Research</i> , 2010, 37, 273-275.	0.4	6
86	Ecological determinants of species composition in the forest vegetation of Tuscany, Italy. <i>Plant Ecology and Evolution</i> , 2012, 145, 323-331.	0.3	6
87	Prescribed Burning and Clear-Cutting Effects on Understory Vegetation in a <i>Pinus canariensis</i> Stand (Gran Canaria). <i>Scientific World Journal</i> , The, 2014, 2014, 1-16.	0.8	6
88	Environmental and soil variables affecting the structure and floristic woody composition of oak forests of northeastern Mexico. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2018, 42, 262-271.	0.8	6
89	Impact of 25 years of grazing on the forest structure of <i>Pinus cembroides</i> in northeast Mexico. <i>Acta Oecologica</i> , 2021, 111, 103743.	0.5	6
90	The effects of ambient temperature and humidity on pregnancy rate in Beefmaster cows in a subtropical environment of Mexico. <i>Livestock Science</i> , 2010, 131, 149-154.	0.6	5

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91	Ecological strategies of tree species in the laurel forest of Tenerife (Canary Islands): an insight into cloud forest natural dynamics using long-term monitoring data. <i>European Journal of Forest Research</i> , 2019, 138, 93-110.	1.1	5
92	Growth and nutrients content of <i>Atriplex canescens</i> across a soil electric conductivity gradient. <i>Spanish Journal of Agricultural Research</i> , 2018, 16, e0302.	0.3	5
93	Seedling bank demography over 11 years in an island laurel forest, Tenerife, Canary Islands. <i>Forest Ecology and Management</i> , 2020, 462, 118001.	1.4	4
94	Socioeconomics and temperature anomalies: drivers of introduced and native plant species composition and richness in the Canary Islands (1940-2010). <i>Botanical Sciences</i> , 2017, 95, 61-80.	0.3	4
95	Effects of Soil Properties, Temperature and Disturbance on Diversity and Functional Composition of Plant Communities Along a Steep Elevational Gradient on Tenerife. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	4
96	Spatial analysis and structure of a cross-timber stand in the Tallgrass Prairie Preserve (Pawhuska,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	3
97	A spatially-explicit model of alien plant richness in Tenerife (Canary Islands). <i>Ecological Complexity</i> , 2019, 38, 75-82.	1.4	3
98	Vegetation Response to Removal of Plant Groups and Grass Seeding in a Microphyllous Desert Shrubland: A 4-Year Field Experiment. <i>Agriculture (Switzerland)</i> , 2021, 11, 322.	1.4	3
99	Impact of 25 years of grazing exclusion and shrub removal on plant community structure and soil characteristics in a xerophytic rangeland. <i>Spanish Journal of Agricultural Research</i> , 2020, 18, e0302.	0.3	3
100	ComposiciÃ³n, estructura y riqueza de plantas vasculares del matorral xerÃ³filo en el norte de Coahuila, MÃ©xico. <i>Botanical Sciences</i> , 2020, 98, 1-15.	0.3	3
101	Effects of fertilization management on pasture productivity and nutrient composition. <i>Grass and Forage Science</i> , 2014, 69, 415-424.	1.2	2
102	Seasonal diet composition and forage selectivity of Boer goats in a semi-arid gypsophilous grassland. <i>African Journal of Range and Forage Science</i> , 2017, 34, 191-199.	0.6	2
103	Plants used as medicinal in GÃ¡mez, Tamaulipas, north-eastern Mexico. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020, 48, 1130-1140.	0.5	2
104	Fire response of the endangered <i>Pinus culminicola</i> stands after 18 years in Cerro El PotosÃ;, northeast Mexico. <i>Forest Systems</i> , 2018, 26, e015.	0.1	2
105	Effect of Dorper Ramsâ€™ Social-Sexual Hierarchy on Their Sexual Behavior and Capacity to Induce Estrus in Ewes. <i>Agriculture (Switzerland)</i> , 2022, 12, 391.	1.4	2
106	Effects of replacement of alfalfa by inflorescences of <i>Yucca carnerosana</i> in the diet on performance of growing goats. <i>Livestock Science</i> , 2009, 123, 38-43.	0.6	1
107	Factors Affecting Days to Conception, Litter Size and Litter Weight of Intensively Managed Canarian Hair Sheep. <i>Journal of Applied Animal Research</i> , 2010, 37, 261-264.	0.4	1
108	The inefficient planning of goat grazing: Causes and consequences. The Palmera breed case (Canary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	1

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109	Asexual Regeneration Response of <i>Ilex canariensis</i> Poir. to Management of the Canopy of <i>Pinus radiata</i> D.Don. <i>Ecologies</i> , 2020, 1, 14-21.	0.7	1
110	Effects of Prescribed Fire on Understory Vegetation in a Canarian Pine Forest Stand (Canary Islands). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> Agriculture, 2014, 71, .	0.0	1
111	Treatments on the Survival of <i>Pinus canariensis</i> Chr. Sm. Ex DC in Buch Planted Seedlings in Arid Zones (Herbivore Protectors-Fertilizers-Mulch-Hydrogels). <i>The Open Forest Science Journal</i> , 2009, 2, 25-30.	0.9	1
112	Diet Botanical Composition of Goats on Rangeland Treated with Trenbolone Acetate. <i>Journal of Animal and Veterinary Advances</i> , 2011, 10, 235-240.	0.1	1
113	Species turnover during secondary succession in a laurel forest stand 60 years after clearcutting. <i>Forest Systems</i> , 2015, 24, 007.	0.1	1
114	Terrestrial Biota Checklist of the Chinijo Archipelago and Lobos (Canary Islands). <i>Scientia Insularum Revista De Ciencias Naturales En Islas</i> , 2018, , 51-86.	0.1	1
115	Livestock Grazing Impact on Species Composition and Richness Understory of the <i>Pinus cembroides</i> Zucc. Forest in Northeastern Mexico. <i>Forests</i> , 2022, 13, 1113.	0.9	1
116	<i>Ecologies</i> â€™A New Multidisciplinary and International Open Access Journal. <i>Ecologies</i> , 2020, 1, 1-2.	0.7	0
117	Restoration of Rangelands Invaded by <i>Amelichloa clandestina</i> (Hack.) Arriaga & Barkworth after 12 Years of Agriculture Abandonment (Coahuila, Mexico). <i>Agriculture (Switzerland)</i> , 2021, 11, 886.	1.4	0
118	Species composition and structure of an exotic <i>Quercus suber</i> stand on the island of Gran Canaria (Canary Islands). <i>Forest Systems</i> , 2019, 28, e014.	0.1	0
119	Bird community structure and species responses to edges in laurel forest fragmented by narrow roads (Tenerife, Canary Islands). <i>Scientia Insularum Revista De Ciencias Naturales En Islas</i> , 2021, 4, 93-124.	0.1	0