Jose Iriondo

List of Publications by Year in descending order

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125 papers	4,310 citations	159585 30 h-index	128289 60 g-index
136 all docs	136 docs citations	136 times ranked	5136 citing authors

#	Article	IF	Citations
1	Linking ecological niche models and common garden experiments to predict phenotypic differentiation in stressful environments: Assessing the adaptive value of marginal populations in an alpine plant. Global Change Biology, 2022, 28, 4143-4162.	9.5	9
2	Searching for Abiotic Tolerant and Biotic Stress Resistant Wild Lentils for Introgression Breeding Through Predictive Characterization. Frontiers in Plant Science, 2022, 13, 817849.	3.6	11
3	Gene flow effects on populations inhabiting marginal areas: Origin matters. Journal of Ecology, 2021, 109, 139-153.	4.0	14
4	Plant translocations in Europe and the Mediterranean: Geographical and climatic directions and distances from source to host sites. Journal of Ecology, 2021, 109, 2296-2308.	4.0	11
5	Demographic effects of interacting species: exploring stable coexistence under increased climatic variability in a semiarid shrub community. Scientific Reports, 2021, 11, 3099.	3.3	4
6	Seventeen â€˜extinctâ€™ plant species back to conservation attention in Europe. Nature Plants, 2021, 7, 282-286.	9.3	10
7	Ãreas marginales en ecosistemas alpinos: definiciÃ³n y valor evolutivo en un contexto de cambio climÃ¡tico. Ecosistemas, 2021, 30, 2178.	0.4	0
8	Spatiotemporal seed transfer zones as an efficient restoration strategy in response to climate change. Ecosphere, 2021, 12, e03462.	2.2	1
9	Evaluating Assisted Gene Flow in Marginal Populations of a High Mountain Species. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	6
10	Past selection shaped phenological differentiation among populations at contrasting elevations in a Mediterranean alpine plant. Environmental and Experimental Botany, 2020, 170, 103894.	4.2	10
11	The assembly of plantâ€“patch networks in Mediterranean alpine grasslands. Journal of Plant Ecology, 2020, 13, 273-280.	2.3	3
12	Plasticity to drought and ecotypic differentiation in populations of a crop wild relative. AoB PLANTS, 2020, 12, plaa006.	2.3	21
13	In situ Conservation Assessment of Forage and Fodder CWR in Spain Using Phytosociological Associations. Sustainability, 2019, 11, 5882.	3.2	3
14	Recent Anthropogenic Plant Extinctions Differ in Biodiversity Hotspots and Coldspots. Current Biology, 2019, 29, 2912-2918.e2.	3.9	109
15	Evaluating the structure of commensalistic epiphyteâ€“phorophyte networks: a comparative perspective of biotic interactions. AoB PLANTS, 2019, 11, plz011.	2.3	21
16	Species distribution models with field validation, a key approach for successful selection of receptor sites in conservation translocations. Global Ecology and Conservation, 2019, 19, e00653.	2.1	23
17	Transcriptome assembly and polymorphism detection in Silene ciliata (Caryophyllaceae). Plant Genetic Resources: Characterisation and Utilisation, 2019, 17, 452-455.	0.8	2
18	Ecotypic differentiation reveals seed colourâ€related alkaloid content in a crop wild relative. Plant Biology, 2019, 21, 942-950.	3.8	5

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19	Complex fine-scale spatial genetic structure in Epidendrum rhopalostele: an epiphytic orchid. Heredity, 2019, 122, 458-467.	2.6	8
20	Genetic diversity and differentiation in Patellifolia (Amaranthaceae) in the Macaronesian archipelagos and the Iberian Peninsula and implications for genetic conservation programmes. Genetic Resources and Crop Evolution, 2019, 66, 225-241.	1.6	8
21	Predictive characterisation identifies global sources of acyanogenic germplasm of a key forage species. Crop and Pasture Science, 2019, 70, 546.	1.5	5
22	Herbivore corridors sustain genetic footprint in plant populations: a case for Spanish drove roads. PeerJ, 2019, 7, e7311.	2.0	12
23	Development of national crop wild relative conservation strategies in European countries. Genetic Resources and Crop Evolution, 2018, 65, 1385-1403.	1.6	11
24	National inventory and prioritization of crop wild relatives in Spain. Genetic Resources and Crop Evolution, 2018, 65, 1237-1253.	1.6	18
25	Reproductive traits and evolutionary divergence between Mediterranean crops and their wild relatives. Plant Biology, 2018, 20, 78-88.	3.8	26
26	How does climate change affect regeneration of Mediterranean highâ€mountain plants? An integration and synthesis of current knowledge. Plant Biology, 2018, 20, 50-62.	3.8	35
27	Geography and Environment Shape Landscape Genetics of Mediterranean Alpine Species Silene ciliata Poiret. (Caryophyllaceae). Frontiers in Plant Science, 2018, 9, 1698.	3.6	16
28	Identification and assessment of the crop wild relatives of Spain that require most urgent conservation actions. Mediterranean Botany, 2018, 39, 67-75.	0.9	0
29	Resistance of an edaphic-island specialist to anthropogenic-driven fragmentation. AoB PLANTS, 2018, 10, .	2.3	3
30	Phenology drives species interactions and modularity in a plant - flower visitor network. Scientific Reports, 2018, 8, 9386.	3.3	46
31	XV ReuniÃ³n cientÃfica anual de ECOFLOR. Ecosistemas, 2018, 27, 132-133.	0.4	0
32	Assessing seed and microsite limitation on population dynamics of a gypsophyte through experimental soil crust disturbance and seed addition. Plant Ecology, 2017, 218, 595-607.	1.6	5
33	A Multispecies Collecting Strategy for Crop Wild Relatives Based on Complementary Areas with a High Density of Ecogeographical Gaps. Crop Science, 2017, 57, 1059-1069.	1.8	12
34	Broadening the Base, Narrowing the Task: Prioritizing Crop Wild Relative Taxa for Conservation Action. Crop Science, 2017, 57, 1042-1058.	1.8	20
35	Ranking of critical species to preserve the functionality of mutualistic networks using thek-core decomposition. PeerJ, 2017, 5, e3321.	2.0	15
36	Identification of ecogeographical gaps in the Spanish Aegilops collections with potential tolerance to drought and salinity. PeerJ, 2017, 5, e3494.	2.0	13

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37	Disentangling Facilitation Along the Life Cycle: Impacts of Plantâ€“Plant Interactions at Vegetative and Reproductive Stages in a Mediterranean Forb. Frontiers in Plant Science, 2016, 7, 129.	3.6	15
38	What causes conspecific plant aggregation? Disentangling the role of dispersal, habitat heterogeneity and plantâ€“plant interactions. Oikos, 2016, 125, 1304-1313.	2.7	47
39	Acquiring baseline information for successful plant translocations when there is no time to lose: the case of the neglected Critically Endangered Narcissus cavanillesii (Amaryllidaceae). Plant Ecology, 2016, 217, 193-206.	1.6	19
40	Direct and indirect effects of shrub encroachment on alpine grasslands mediated by plantâ€“flower visitor interactions. Functional Ecology, 2016, 30, 1521-1530.	3.6	22
41	Individual spatial aggregation correlates with between-population variation in fine-scale genetic structure of Silene ciliata (Caryophyllaceae). Heredity, 2016, 116, 417-423.	2.6	27
42	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.	5.8	111
43	Dragging in mutualistic networks. Networks and Heterogeneous Media, 2015, 10, 37-52.	1.1	3
44	Effects of the duration of cold stratification on early life stages of the Mediterranean alpine plant Silene ciliata. Plant Biology, 2015, 17, 344-350.	3.8	28
45	A glacial survivor of the alpine Mediterranean region: phylogenetic and phylogeographic insights intoSilene ciliataPourr. (Caryophyllaceae). PeerJ, 2015, 3, e1193.	2.0	14
46	A simple and bounded model of population dynamics for mutualistic networks. Networks and Heterogeneous Media, 2015, 10, 53-70.	1.1	1
47	Population dynamics ofAster pyrenaeusDesf., a threatened species of temperate forest edges: A view of meso- and micro-scales. Plant Biosystems, 2014, 148, 645-654.	1.6	2
48	Rethinking the logistic approach for population dynamics of mutualistic interactions. Journal of Theoretical Biology, 2014, 363, 332-343.	1.7	27
49	Decline of dry grassland specialists in <scp>M</scp>editerranean highâ€mountain communities influenced by recent climate warming. Journal of Vegetation Science, 2014, 25, 1394-1404.	2.2	35
50	Costs and benefits of the mixed-mating system of Narcissus serotinus (Amaryllidaceae) in the conservation of small fragmented populations. Botany, 2014, 92, 113-122.	1.0	6
51	Genetic variation in flowering phenology and reproductive performance in a Mediterranean high-mountain specialist,Armeria caespitosa(Plumbaginaceae). Botanical Journal of the Linnean Society, 2014, 176, 384-395.	1.6	10
52	Assessing Intraspecific Variation in Effective Dispersal Along an Altitudinal Gradient: A Test in Two Mediterranean High-Mountain Plants. PLoS ONE, 2014, 9, e87189.	2.5	21
53	Demography gone wild in native species: four reasons to avoid the term "native invaders". Web Ecology, 2014, 14, 85-87.	1.6	3
54	Response to artificial drying until droughtâ€induced death in different elevation populations of a highâ€mountain plant. Plant Biology, 2013, 15, 93-100.	3.8	20

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55	Mycorrhizal preferences and fine spatial structure of the epiphytic orchid Epidendrum rhopalostele. American Journal of Botany, 2013, 100, 2339-2348.	1.7	26
56	Genetic patterns of habitat fragmentation and past climateâ€change effects in the Mediterranean highâ€mountain plant Armeria caespitosa (Plumbaginaceae). American Journal of Botany, 2013, 100, 1641-1650.	1.7	20
57	Characterization of microsatellites in the mountain plant Armeria caespitosa (Plumbaginaceae) and transferability to congeners. American Journal of Botany, 2012, 99, e292-e294.	1.7	2
58	Unravelling genetics at the top: mountain islands or isolated belts?. Annals of Botany, 2012, 110, 1221-1232.	2.9	24
59	Spatial pattern of soil compaction: Treesâ€™ footprint on soil physical properties. Forest Ecology and Management, 2012, 283, 128-137.	3.2	22
60	Kinship rivalry does not trigger specific allocation strategies in Lupinus angustifolius. Annals of Botany, 2012, 110, 165-175.	2.9	12
61	Extreme climatic events and vegetation: the role of stabilizing processes. Global Change Biology, 2012, 18, 797-805.	9.5	376
62	Inbreeding at the edge: does inbreeding depression increase under more stressful conditions?. Oikos, 2012, 121, 1435-1445.	2.7	21
63	Improving representativeness of genebank collections through species distribution models, gap analysis and ecogeographical maps. Biodiversity and Conservation, 2012, 21, 79-96.	2.6	61
64	Ecogeographical land characterization maps as a tool for assessing plant adaptation and their implications in agrobiodiversity studies. Genetic Resources and Crop Evolution, 2012, 59, 205-217.	1.6	82
65	Ploidy level and genome size of locally adapted populations of Silene ciliata across an altitudinal gradient. Plant Systematics and Evolution, 2012, 298, 139-146.	0.9	23
66	In situ conservation of crop wild relatives: a strategy for identifying priority genetic reserve sites.. , 2012, , 7-19.		15
67	Spatial and ecogeographic approaches for selecting genetic reserves in Europe.. , 2012, , 20-28.		7
68	Quality standards for genetic reserve conservation of crop wild relatives.. , 2012, , 72-77.		52
69	Current and future threats and opportunities facing European crop Wild relative and landrace diversity.. , 2012, , 333-353.		6
70	Review. Applications of ecogeography and geographic information systems in conservation and utilization of plant genetic resources. Spanish Journal of Agricultural Research, 2012, 10, 419.	0.6	27
71	Congruence between geographic range distribution and local competitive ability of two Lupinus species. American Journal of Botany, 2011, 98, 1456-1464.	1.7	14
72	How successful are plant species reintroductions?. Biological Conservation, 2011, 144, 672-682.	4.1	493

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73	Strategies for the Development of Core Collections Based on Ecogeographical Data. Crop Science, 2011, 51, 656-666.	1.8	5
74	Demographic processes of upward range contraction in a long-lived Mediterranean high mountain plant. Ecography, 2011, 34, 85-93.	4.5	44
75	Selection on flowering time in Mediterranean high-mountain plants under global warming. Evolutionary Ecology, 2011, 25, 777-794.	1.2	55
76	Evaluation and Validation of Ecogeographical Core Collections using Phenotypic Data. Crop Science, 2011, 51, 694-703.	1.8	3
77	Seedling dynamics at elevation limits: Complex interactions beyond seed and microsite limitations. American Journal of Botany, 2010, 97, 1791-1797.	1.7	21
78	Growing with siblings: a common ground for cooperation or for fiercer competition among plants?. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2531-2540.	2.6	64
79	Inherited variability in multiple traits determines fitness in populations of an annual legume from contrasting latitudinal origins. Annals of Botany, 2009, 103, 1279-1289.	2.9	31
80	Weighted-Interaction Nestedness Estimator (WINE): A new estimator to calculate over frequency matrices. Environmental Modelling and Software, 2009, 24, 1342-1346.	4.5	91
81	What shapes the altitudinal range of a high mountain Mediterranean plant? Recruitment probabilities from ovule to seedling stage. Ecography, 2008, 31, 731-740.	4.5	41
82	Dissecting components of flowering pattern: size effects on female fitness. Botanical Journal of the Linnean Society, 2008, 156, 227-236.	1.6	17
83	Gap analysis: a tool for complementary genetic conservation assessment. Diversity and Distributions, 2008, 14, 1018-1030.	4.1	133
84	CWRML: representing crop wild relative conservation and use data in XML. BMC Bioinformatics, 2008, 9, 116.	2.6	12
85	Introduction: the integration of PGR conservation with protected area management.. , 2008, , 1-22.		6
86	Genetic reserve location and design.. , 2008, , 23-64.		10
87	Genetic reserve management.. , 2008, , 65-87.		3
88	Plant population monitoring methodologies for the in situ genetic conservation of cwr.. , 2008, , 88-123.		3
89	Final considerations for the in situ conservation of plant genetic diversity.. , 2008, , 182-202.		1
90	Population and habitat recovery techniques for the in situ conservation of plant genetic diversity.. , 2008, , 124-168.		0

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91	Pollination patterns limit hybridization between two sympatric species ofNarcissus(Amaryllidaceae). American Journal of Botany, 2007, 94, 1352-1359.	1.7	50
92	Generalist diurnal pollination provides greater fitness in a plant with nocturnal pollination syndrome: assessing the effects of a Silene ? Hadena interaction. Oikos, 2007, 116, 1461-1472.	2.7	5
93	Reproductive limits of a late-flowering high-mountain Mediterranean plant along an elevational climate gradient. New Phytologist, 2007, 173, 367-382.	7.3	148
94	Generalist diurnal pollination provides greater fitness in a plant with nocturnal pollination syndrome: assessing the effects of a Silene â€“ Hadena interaction. Oikos, 2007, 116, 1461-1472.	2.7	41
95	Local Adaptation Enhances Seedling Recruitment Along an Altitudinal Gradient in a High Mountain Mediterranean Plant. Annals of Botany, 2006, 99, 723-734.	2.9	129
96	Genetic Fingerprinting of Germplasm Accessions as an Aid for Species Conservation: A Case Study with Borderea chouardii (Dioscoreaceae), One of the Most Critically Endangered Iberian Plants. Annals of Botany, 2005, 96, 1283-1292.	2.9	8
97	Assessing ant seed predation in threatened plants: a case study. Acta Oecologica, 2005, 28, 213-220.	1.1	27
98	Patch Dynamics and Islands of Fertility in a High Mountain Mediterranean Community. Arctic, Antarctic, and Alpine Research, 2004, 36, 518-527.	1.1	50
99	Seed germination of four thyme species after short-term storage at low temperatures at several moisture contents. Seed Science and Technology, 2004, 32, 247-254.	1.4	8
100	Plant conservation: old problems, new perspectives. Biological Conservation, 2003, 113, 321-335.	4.1	209
101	Spatial analysis of genetic diversity as a tool for plant conservation. Biological Conservation, 2003, 113, 351-365.	4.1	181
102	Structural equation modelling: an alternative for assessing causal relationships in threatened plant populations. Biological Conservation, 2003, 113, 367-377.	4.1	123
103	Analysis of withinâ€population spatial genetic structure inAntirrhinum microphyllum(Scrophulariaceae). American Journal of Botany, 2003, 90, 1688-1695.	1.7	29
104	Genetic structure of an endangered plant,Antirrhinum microphyllum(Scrophulariaceae): allozyme and RAPD analysis. American Journal of Botany, 2003, 90, 85-92.	1.7	74
105	Dynamical scaling analysis of plant callus growth. Europhysics Letters, 2003, 63, 83-89.	2.0	23
106	Effects of temperature and pretreatments on seed germination of nine semiarid species from NE Spain. Israel Journal of Plant Sciences, 2002, 50, 103-112.	0.5	15
107	Vulnerability and determinants of reproductive success in the narrow endemic Antirrhinum microphyllum (Scrophulariaceae). American Journal of Botany, 2002, 89, 1171-1179.	1.7	34
108	Cryopreservation of Apium graveolens L. (Celery) Seeds. Biotechnology in Agriculture and Forestry, 2002, , 48-56.	0.2	1

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109	Female Reproductive Success of Narrow Endemic Erodium paularense in Contrasting Microhabitats. Ecology, 2001, 82, 1734.	3.2	7
110	FEMALE REPRODUCTIVE SUCCESS OF NARROW ENDEMICERODIUM PAULARENSEIN CONTRASTING MICROHABITATS. Ecology, 2001, 82, 1734-1747.	3.2	43
111	Factors affecting establishment of a gypsophyte: the case ofLepidium subulatum(Brassicaceae). American Journal of Botany, 2000, 87, 861-871.	1.7	87
112	Factors affecting establishment of a gypsophyte: the case of Lepidium subulatum (Brassicaceae). American Journal of Botany, 2000, 87, 861-71.	1.7	14
113	The use of genetic markers in the identification and characterization of three recently discovered populations of a threatened plant species. Molecular Ecology, 1999, 8, S31-S40.	3.9	13
114	Genetic diversity within and among populations of a threatened species: Erodium paularense Fern. Gonz. & Izco. Molecular Ecology, 1997, 6, 813-820.	3.9	14
115	MICROPROPAGATION AND IN VITRO STORAGE OF CENTAURIUM RIGUALII ESTEVE (GENTIANACEAE). Israel Journal of Plant Sciences, 1996, 44, 115-123.	0.5	14
116	Germination behaviour in seeds of Diplotaxis erucoides and D. virgata. Weed Research, 1995, 35, 495-502.	1.7	41
117	Micropropagation of Elaeagnus angustifolia from mature trees. Tree Physiology, 1995, 15, 691-693.	3.1	14
118	GERMINATION STUDIES IN ENDEMIC PLANT SPECIES OF THE IBERIAN PENINSULA. Israel Journal of Plant Sciences, 1995, 43, 239-247.	0.5	38
119	Autecology and conservation of Erodium paularense Fdez. Glez. & Izco. Biological Conservation, 1995, 72, 55-60.	4.1	18
120	Effects of seed cryopreservation and priming on germination in several cultivars of. Annals of Botany, 1995, 75, 1-4.	2.9	4
121	Micropropagation of an endangered plant species: Coronopus navasii (Brassicaceae). Plant Cell Reports, 1990, 8, 745-748.	5.6	9
122	Onâ€farm conservation priorities through a multicriteria monoâ€specific approach. Crop Science, 0, , .	1.8	1
123	Predictive characterization methods for accessing and using CWR diversity.. , 0, , 64-77.		5
124	Joining up the dots: a systematic perspective of crop wild relative conservation and use.. , 0, , 87-124.		40
125	National strategies for the conservation of crop wild relatives.. , 0, , 161-171.		31