

# Luis Santamaria

## List of Publications by Citations

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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.

72  
papers

3,666  
citations

30  
h-index

60  
g-index

74  
ext. papers

4,190  
ext. citations

5.4  
avg, IF

5.77  
L-index

#	Paper	IF	Citations
72	Why are most aquatic plants widely distributed? Dispersal, clonal growth and small-scale heterogeneity in a stressful environment. <i>Acta Oecologica</i> , <b>2002</b> , 23, 137-154	1.7	406
71	A new algorithm to calculate the nestedness temperature of presence-absence matrices. <i>Journal of Biogeography</i> , <b>2006</b> , 33, 924-935	4.1	298
70	Seed dispersal in changing landscapes. <i>Biological Conservation</i> , <b>2012</b> , 146, 1-13	6.2	285
69	Contrasting effects of invasive plants in plant-pollinator networks. <i>Oecologia</i> , <b>2008</b> , 155, 761-70	2.9	223
68	How Foraging Behaviour and Resource Partitioning Can Drive the Evolution of Flowers and the Structure of Pollination Networks. <i>Open Ecology Journal</i> , <b>2010</b> , 3, 1-11	2	168
67	Linkage rules for plant-pollinator networks: trait complementarity or exploitation barriers?. <i>PLoS Biology</i> , <b>2007</b> , 5, e31	9.7	150
66	Herbivory on freshwater and marine macrophytes: A review and perspective. <i>Aquatic Botany</i> , <b>2016</b> , 135, 18-36	1.8	131
65	Why are so many bird flowers red?. <i>PLoS Biology</i> , <b>2004</b> , 2, e350	9.7	114
64	Passive internal transport of aquatic organisms by waterfowl in Doñana, south-west Spain. <i>Global Ecology and Biogeography</i> , <b>2003</b> , 12, 427-436	6.1	104
63	Migratory Birds as Global Dispersal Vectors. <i>Trends in Ecology and Evolution</i> , <b>2016</b> , 31, 763-775	10.9	99
62	Waterbirds as endozoochorous dispersers of aquatic organisms: a review of experimental evidence. <i>Acta Oecologica</i> , <b>2002</b> , 23, 165-176	1.7	90
61	Comparative dispersal effectiveness of wigeongrass seeds by waterfowl wintering in south-west Spain: quantitative and qualitative aspects. <i>Journal of Ecology</i> , <b>2002</b> , 90, 989-1001	6	88
60	Behavior rather than diet mediates seasonal differences in seed dispersal by Asian elephants. <i>Ecology</i> , <b>2008</b> , 89, 2684-91	4.6	71
59	Migratory strategies of waterbirds shape the continental-scale dispersal of aquatic organisms. <i>Ecography</i> , <b>2013</b> , 36, 430-438	6.5	69
58	Photosynthetic temperature responses of fresh- and brackish-water macrophytes: a review. <i>Aquatic Botany</i> , <b>1997</b> , 58, 135-150	1.8	60
57	Meta-analysis of the effects of forest fragmentation on interspecific interactions. <i>Conservation Biology</i> , <b>2014</b> , 28, 1342-8	6	57
56	Evolution in biodiversity policy - current gaps and future needs. <i>Evolutionary Applications</i> , <b>2012</b> , 5, 202-18	1.8	55

55	Space, time and complexity in plant dispersal ecology. <i>Movement Ecology</i> , <b>2014</b> , 2, 16	4.6	55
54	Field evidence for the potential of waterbirds as dispersers of aquatic organisms. <i>Wetlands</i> , <b>2005</b> , 25, 252-258	1.7	54
53	Selecting appropriate methods of knowledge synthesis to inform biodiversity policy. <i>Biodiversity and Conservation</i> , <b>2016</b> , 25, 1285-1300	3.4	53
52	Modeling Biomass Production in Seasonal Wetlands Using MODIS NDVI Land Surface Phenology. <i>Remote Sensing</i> , <b>2017</b> , 9, 392	5	51
51	Internal dispersal of seeds by waterfowl: effect of seed size on gut passage time and germination patterns. <i>Die Naturwissenschaften</i> , <b>2010</b> , 97, 555-65	2	49
50	Effect of passage through duck gut on germination of fennel pondweed seeds. <i>Archiv für Hydrobiologie</i> , <b>2002</b> , 156, 11-22		45
49	Asian Tapirs Are No Elephants When It Comes To Seed Dispersal. <i>Biotropica</i> , <b>2012</b> , 44, 220-227	2.3	44
48	Resource competition, character displacement, and the evolution of deep corolla tubes. <i>American Naturalist</i> , <b>2007</b> , 170, 455-64	3.7	40
47	The Network of Knowledge approach: improving the science and society dialogue on biodiversity and ecosystem services in Europe. <i>Biodiversity and Conservation</i> , <b>2016</b> , 25, 1215-1233	3.4	39
46	Local adaptation of the pondweed <i>Potamogeton pectinatus</i> to contrasting substrate types mediated by changes in propagule provisioning. <i>Journal of Ecology</i> , <b>2003</b> , 91, 1081-1092	6	38
45	Allometric scaling of long-distance seed dispersal by migratory birds. <i>American Naturalist</i> , <b>2013</b> , 181, 649-62	3.7	35
44	Flowers attract weaver ants that deter less effective pollinators. <i>Journal of Ecology</i> , <b>2013</b> , 101, 78-85	6	33
43	How far can the freshwater bryozoan <i>Cristatella mucedo</i> disperse in duck guts?. <i>Archiv für Hydrobiologie</i> , <b>2003</b> , 157, 547-554		30
42	Are nested networks more robust to disturbance? A test using epiphyte-tree, comensalistic networks. <i>PLoS ONE</i> , <b>2011</b> , 6, e19637	3.7	29
41	Frugivore behaviour determines plant distribution: a spatially-explicit analysis of a plant-disperser interaction. <i>Ecography</i> , <b>2012</b> , 35, 113-123	6.5	28
40	Predicting spatial patterns of plant recruitment using animal-displacement kernels. <i>PLoS ONE</i> , <b>2007</b> , 2, e1008	3.7	28
39	Models of optimal foraging and resource partitioning: deep corollas for long tongues. <i>Behavioral Ecology</i> , <b>2006</b> , 17, 905-910	2.3	28
38	Animal-plant-microbe interactions: direct and indirect effects of swan foraging behaviour modulate methane cycling in temperate shallow wetlands. <i>Oecologia</i> , <b>2006</b> , 149, 233-44	2.9	28

37	Clonal variation in morphological and physiological responses to irradiance and photoperiod for the aquatic angiosperm <i>Potamogeton pectinatus</i> . <i>Journal of Ecology</i> , <b>2002</b> , 90, 859-870	6	25
36	Endozoochorous dispersal of aquatic plants: does seed gut passage affect plant performance?. <i>American Journal of Botany</i> , <b>2005</b> , 92, 696-9	2.7	24
35	Clonal variation in the thermal response of the submerged aquatic macrophyte <i>Potamogeton pectinatus</i> . <i>Journal of Ecology</i> , <b>2002</b> , 90, 141-152	6	22
34	Endozoochory by ducks: influence of developmental stage of <i>Bythotrephes</i> diapause eggs on dispersal probability. <i>Diversity and Distributions</i> , <b>2003</b> , 9, 367-374	5	22
33	Possible role of weaver ants, <i>Oecophylla smaragdina</i> , in shaping plant-pollinator interactions in South-East Asia. <i>Journal of Ecology</i> , <b>2013</b> , 101, 1000-1006	6	21
32	Effects of matrix characteristics and interpatch distance on functional connectivity in fragmented temperate rainforests. <i>Conservation Biology</i> , <b>2012</b> , 26, 238-47	6	21
31	Resource partitioning among flower visitors and evolution of nectar concealment in multi-species communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 272, 187-92	4.4	21
30	Seed size variability: from carob to carats. <i>Biology Letters</i> , <b>2006</b> , 2, 397-400	3.6	20
29	Seasonal acclimation in the photosynthetic and respiratory temperature responses of three submerged freshwater macrophyte species. <i>New Phytologist</i> , <b>2001</b> , 151, 659-670	9.8	20
28	COVID-19 effective reproduction number dropped during Spain's nationwide dropdown, then spiked at lower-incidence regions. <i>Science of the Total Environment</i> , <b>2021</b> , 751, 142257	10.2	20
27	Effects of frugivore preferences and habitat heterogeneity on seed rain: a multi-scale analysis. <i>PLoS ONE</i> , <b>2012</b> , 7, e33246	3.7	19
26	Facilitating Transitional Processes in Rigid Institutional Regimes for Water Management and Wetland Conservation: Experience from the Guadalquivir Estuary. <i>Ecology and Society</i> , <b>2012</b> , 17,	4.1	19
25	Selective logging in tropical forests decreases the robustness of liana-tree interaction networks to the loss of host tree species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283, 20153008	4.4	18
24	Evolution and Biodiversity: the evolutionary basis of biodiversity and its potential for adaptation to global change. <i>Evolutionary Applications</i> , <b>2012</b> , 5, 103-6	4.8	17
23	Combined impact of multiple exotic herbivores on different life stages of an endangered plant endemism, <i>Medicago citrina</i> . <i>Journal of Ecology</i> , <b>2013</b> , 101, 107-117	6	15
22	Long corollas as nectar barriers in <i>Lonicera implexa</i> : interactions between corolla tube length and nectar volume. <i>Evolutionary Ecology</i> , <b>2015</b> , 29, 419-435	1.8	14
21	Digital conservation in biosphere reserves: Earth observations, social media, and nature's cultural contributions to people. <i>Conservation Letters</i> , <b>2020</b> , 13, e12704	6.9	14
20	Strong dependence of a pioneer shrub on seed dispersal services provided by an endemic endangered lizard in a Mediterranean island ecosystem. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183072	3.7	14

19	Changes in patch features may exacerbate or compensate for the effect of habitat loss on forest bird populations. <i>PLoS ONE</i> , <b>2011</b> , 6, e21596	3.7	13
18	The network BiodiversityKnowledge in practice: insights from three trial assessments. <i>Biodiversity and Conservation</i> , <b>2016</b> , 25, 1301-1318	3.4	13
17	Forest edges show contrasting effects on an austral mistletoe due to differences in pollination and seed dispersal. <i>Journal of Ecology</i> , <b>2013</b> , 101, 713-721	6	11
16	Flower-visitor selection on floral integration in three contrasting populations of <i>Lonicera implexa</i> . <i>American Journal of Botany</i> , <b>2016</b> , 103, 325-36	2.7	9
15	Internal habitat quality determines the effects of fragmentation on austral forest climbing and epiphytic angiosperms. <i>PLoS ONE</i> , <b>2012</b> , 7, e48743	3.7	8
14	Differential effects of anthropogenic edges and gaps on the reproduction of a forest-dwelling plant: The role of plant reproductive effort and nectar robbing by bumblebees. <i>Austral Ecology</i> , <b>2012</b> , 37, 600-609	1.5	8
13	Disentangling the roles of diversity resistance and priority effects in community assembly. <i>Oecologia</i> , <b>2016</b> , 182, 865-75	2.9	8
12	Seed dispersal by lizards on a continental-shelf island: predicting interspecific variation in seed rain based on plant distribution and lizard movement patterns. <i>Journal of Biogeography</i> , <b>2012</b> , 39, 1984-1995 <sup>4.1</sup>	4.1	7
11	Passive partner choice through exploitation barriers. <i>Evolutionary Ecology</i> , <b>2015</b> , 29, 323-340	1.8	7
10	Rats and seabirds: effects of egg size on predation risk and the potential of conditioned taste aversion as a mitigation method. <i>PLoS ONE</i> , <b>2013</b> , 8, e76138	3.7	7
9	Optimal methods for fitting probability distributions to propagule retention time in studies of zoochorous dispersal. <i>BMC Ecology</i> , <b>2016</b> , 16, 3	2.7	5
8	Divergent effects of forest edges on host distribution and seed disperser activity influence mistletoe distribution and recruitment. <i>Journal of Ecology</i> , <b>2015</b> , 103, 1475-1486	6	5
7	Chasing the ghost of infection past: identifying thresholds of change during the COVID-19 infection in Spain. <i>Epidemiology and Infection</i> , <b>2020</b> , 148, e282	4.3	5
6	Chasing the ghost of infection past: identifying thresholds of change during the COVID-19 infection in Spain		5
5	Toxic spill caught Spain off guard. <i>Nature</i> , <b>1998</b> , 395, 110-110	50.4	4
4	Science in Europe. Dark clouds over Spanish science. <i>Science</i> , <b>2013</b> , 340, 1292	33.3	3
3	Edge effects in a three-dimensional world: height in the canopy modulates edge effects on the epiphyte <i>Sarmienta repens</i> (Gesneriaceae). <i>Plant Ecology</i> , <b>2013</b> , 214, 965-973	1.7	2
2	Continuous variation in herkogamy enhances the reproductive response of to spatial variation in pollinator assemblages. <i>AoB PLANTS</i> , <b>2020</b> , 12, plz078	2.9	1

- 1 Complementary Differences in Primary Production and Phenology among Vegetation Types  
Increase Ecosystem Resilience to Climate Change and Grazing Pressure in an Iconic Mediterranean  
Ecosystem. *Remote Sensing*, **2021**, 13, 3920 5 1