

# Luis Santamaria

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

4,633  
citations

136940

32  
h-index

102480

66  
g-index

74  
all docs

74  
docs citations

74  
times ranked

6351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Why are most aquatic plants widely distributed? Dispersal, clonal growth and small-scale heterogeneity in a stressful environment. <i>Acta Oecologica</i> , 2002, 23, 137-154.	1.1	499
2	Seed dispersal in changing landscapes. <i>Biological Conservation</i> , 2012, 146, 1-13.	4.1	366
3	A new algorithm to calculate the nestedness temperature of presence-absence matrices. <i>Journal of Biogeography</i> , 2006, 33, 924-935.	3.0	342
4	Contrasting effects of invasive plants in plant-pollinator networks. <i>Oecologia</i> , 2008, 155, 761-770.	2.0	284
5	How Foraging Behaviour and Resource Partitioning Can Drive the Evolution of Flowers and the Structure of Pollination Networks. <i>Open Ecology Journal</i> , 2010, 3, 1-11.	2.0	214
6	Herbivory on freshwater and marine macrophytes: A review and perspective. <i>Aquatic Botany</i> , 2016, 135, 18-36.	1.6	193
7	Linkage Rules for Plant-Pollinator Networks: Trait Complementarity or Exploitation Barriers?. <i>PLoS Biology</i> , 2007, 5, e31.	5.6	181
8	Why Are So Many Bird Flowers Red?. <i>PLoS Biology</i> , 2004, 2, e350.	5.6	171
9	Migratory Birds as Global Dispersal Vectors. <i>Trends in Ecology and Evolution</i> , 2016, 31, 763-775.	8.7	140
10	Passive internal transport of aquatic organisms by waterfowl in Doñana, south-west Spain. <i>Global Ecology and Biogeography</i> , 2003, 12, 427-436.	5.8	132
11	Waterbirds as endozoochorous dispersers of aquatic organisms: a review of experimental evidence. <i>Acta Oecologica</i> , 2002, 23, 165-176.	1.1	106
12	Comparative dispersal effectiveness of wigeongrass seeds by waterfowl wintering in south-west Spain: quantitative and qualitative aspects. <i>Journal of Ecology</i> , 2002, 90, 989-1001.	4.0	105
13	Migratory strategies of waterbirds shape the continental-scale dispersal of aquatic organisms. <i>Ecography</i> , 2013, 36, 430-438.	4.5	86
14	BEHAVIOR RATHER THAN DIET MEDIATES SEASONAL DIFFERENCES IN SEED DISPERSAL BY ASIAN ELEPHANTS. <i>Ecology</i> , 2008, 89, 2684-2691.	3.2	85
15	Space, time and complexity in plant dispersal ecology. <i>Movement Ecology</i> , 2014, 2, 16.	2.8	77
16	Meta-Analysis of the Effects of Forest Fragmentation on Interspecific Interactions. <i>Conservation Biology</i> , 2014, 28, 1342-1348.	4.7	77
17	Modeling Biomass Production in Seasonal Wetlands Using MODIS NDVI Land Surface Phenology. <i>Remote Sensing</i> , 2017, 9, 392.	4.0	75
18	Photosynthetic temperature responses of fresh- and brackish-water macrophytes: a review. <i>Aquatic Botany</i> , 1997, 58, 135-150.	1.6	69

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19	Evolution in biodiversity policy – current gaps and future needs. <i>Evolutionary Applications</i> , 2012, 5, 202-218.	3.1	67
20	Selecting appropriate methods of knowledge synthesis to inform biodiversity policy. <i>Biodiversity and Conservation</i> , 2016, 25, 1285-1300.	2.6	64
21	Internal dispersal of seeds by waterfowl: effect of seed size on gut passage time and germination patterns. <i>Die Naturwissenschaften</i> , 2010, 97, 555-565.	1.6	62
22	Field evidence for the potential of waterbirds as dispersers of aquatic organisms. <i>Wetlands</i> , 2005, 25, 252-258.	1.5	58
23	Asian Tapirs Are No Elephants When It Comes To Seed Dispersal. <i>Biotropica</i> , 2012, 44, 220-227.	1.6	56
24	Allometric Scaling of Long-Distance Seed Dispersal by Migratory Birds. <i>American Naturalist</i> , 2013, 181, 649-662.	2.1	53
25	Effect of passage through duck gut on germination of fennel pondweed seeds. <i>Archiv Für Hydrobiologie</i> , 2002, 156, 11-22.	1.1	49
26	Resource Competition, Character Displacement, and the Evolution of Deep Corolla Tubes. <i>American Naturalist</i> , 2007, 170, 455-464.	2.1	49
27	The Network of Knowledge approach: improving the science and society dialogue on biodiversity and ecosystem services in Europe. <i>Biodiversity and Conservation</i> , 2016, 25, 1215-1233.	2.6	44
28	Local adaptation of the pondweed <i>Potamogeton pectinatus</i> to contrasting substrate types mediated by changes in propagule provisioning. <i>Journal of Ecology</i> , 2003, 91, 1081-1092.	4.0	41
29	Flowers attract weaver ants that deter less effective pollinators. <i>Journal of Ecology</i> , 2013, 101, 78-85.	4.0	39
30	Are Nested Networks More Robust to Disturbance? A Test Using Epiphyte-Tree, Comensalistic Networks. <i>PLoS ONE</i> , 2011, 6, e19637.	2.5	38
31	Models of optimal foraging and resource partitioning: deep corollas for long tongues. <i>Behavioral Ecology</i> , 2006, 17, 905-910.	2.2	36
32	COVID-19 effective reproduction number dropped during Spain's nationwide dropdown, then spiked at lower-incidence regions. <i>Science of the Total Environment</i> , 2021, 751, 142257.	8.0	35
33	Frugivore behaviour determines plant distribution: a spatially explicit analysis of a plant-disperser interaction. <i>Ecography</i> , 2012, 35, 113-123.	4.5	34
34	How far can the freshwater bryozoan <i>Cristatella mucedo</i> disperse in duck guts?. <i>Archiv Für Hydrobiologie</i> , 2003, 157, 547-554.	1.1	33
35	Animal-plant-microbe interactions: direct and indirect effects of swan foraging behaviour modulate methane cycling in temperate shallow wetlands. <i>Oecologia</i> , 2006, 149, 233-244.	2.0	32
36	Predicting Spatial Patterns of Plant Recruitment Using Animal-Displacement Kernels. <i>PLoS ONE</i> , 2007, 2, e1008.	2.5	32

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37	Seed size variability: from carob to carats. <i>Biology Letters</i> , 2006, 2, 397-400.	2.3	31
38	Clonal variation in morphological and physiological responses to irradiance and photoperiod for the aquatic angiosperm <i>Potamogeton pectinatus</i> . <i>Journal of Ecology</i> , 2002, 90, 859-870.	4.0	29
39	Endozoochorous dispersal of aquatic plants: does seed gut passage affect plant performance?. <i>American Journal of Botany</i> , 2005, 92, 696-699.	1.7	28
40	Endozoochory by ducks: influence of developmental stage of <i>Bythotrephes</i> diapause eggs on dispersal probability. <i>Diversity and Distributions</i> , 2003, 9, 367-374.	4.1	27
41	Facilitating Transitional Processes in Rigid Institutional Regimes for Water Management and Wetland Conservation: Experience from the Guadalquivir Estuary. <i>Ecology and Society</i> , 2012, 17, .	2.3	26
42	Possible role of weaver ants, <i>Oecophylla smaragdina</i> , in shaping plant-pollinator interactions in <i>Scaevola taccada</i> . <i>Journal of Ecology</i> , 2013, 101, 1000-1006.	4.0	25
43	Seasonal acclimation in the photosynthetic and respiratory temperature responses of three submerged freshwater macrophyte species. <i>New Phytologist</i> , 2001, 151, 659-670.	7.3	24
44	Effects of Frugivore Preferences and Habitat Heterogeneity on Seed Rain: A Multi-Scale Analysis. <i>PLoS ONE</i> , 2012, 7, e33246.	2.5	24
45	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> , 2017, 12, e0183072.	2.5	24
46	Resource partitioning among flower visitors and evolution of nectar concealment in multi-species communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 187-192.	2.6	23
47	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> , 2016, 283, 20153008.	2.6	23
48	Clonal variation in the thermal response of the submerged aquatic macrophyte <i>Potamogeton pectinatus</i> . <i>Journal of Ecology</i> , 2002, 90, 141-152.	4.0	22
49	Effects of Matrix Characteristics and Interpatch Distance on Functional Connectivity in Fragmented Temperate Rainforests. <i>Conservation Biology</i> , 2012, 26, 238-247.	4.7	22
50	Long corollas as nectar barriers in <i>Lonicera implexa</i> : interactions between corolla tube length and nectar volume. <i>Evolutionary Ecology</i> , 2015, 29, 419-435.	1.2	22
51	Digital conservation in biosphere reserves: Earth observations, social media, and nature's cultural contributions to people. <i>Conservation Letters</i> , 2020, 13, e12704.	5.7	22
52	Evolution and Biodiversity: the evolutionary basis of biodiversity and its potential for adaptation to global change. <i>Evolutionary Applications</i> , 2012, 5, 103-106.	3.1	21
53	Combined impact of multiple exotic herbivores on different life stages of an endangered plant endemism, <i>Medicago citrina</i> . <i>Journal of Ecology</i> , 2013, 101, 107-117.	4.0	18
54	Forest edges show contrasting effects on an austral mistletoe due to differences in pollination and seed dispersal. <i>Journal of Ecology</i> , 2013, 101, 713-721.	4.0	16

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55	Changes in Patch Features May Exacerbate or Compensate for the Effect of Habitat Loss on Forest Bird Populations. <i>PLoS ONE</i> , 2011, 6, e21596.	2.5	15
56	The network Biodiversity Knowledge in practice: insights from three trial assessments. <i>Biodiversity and Conservation</i> , 2016, 25, 1301-1318.	2.6	14
57	Chasing the ghost of infection past: identifying thresholds of change during the COVID-19 infection in Spain. <i>Epidemiology and Infection</i> , 2020, 148, e282.	2.1	13
58	A seed dispersal effectiveness framework across the mutualism-antagonism continuum. <i>Oikos</i> , 2022, 2022, .	2.7	13
59	Flower-visitor selection on floral integration in three contrasting populations of <i>Lonicera implexa</i> . <i>American Journal of Botany</i> , 2016, 103, 325-336.	1.7	11
60	Internal Habitat Quality Determines the Effects of Fragmentation on Austral Forest Climbing and Epiphytic Angiosperms. <i>PLoS ONE</i> , 2012, 7, e48743.	2.5	10
61	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> , 2013, 8, e76138.	2.5	10
62	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> , 2012, 37, 600-609.	1.5	9
63	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> , 2012, 39, 1984-1995.	3.0	9
64	Disentangling the roles of diversity resistance and priority effects in community assembly. <i>Oecologia</i> , 2016, 182, 865-875.	2.0	9
65	Passive partner choice through exploitation barriers. <i>Evolutionary Ecology</i> , 2015, 29, 323-340.	1.2	8
66	Dark Clouds over Spanish Science. <i>Science</i> , 2013, 340, 1292-1292.	12.6	6
67	Optimal methods for fitting probability distributions to propagule retention time in studies of zoochorous dispersal. <i>BMC Ecology</i> , 2016, 16, 3.	3.0	6
68	Toxic spill caught Spain off guard. <i>Nature</i> , 1998, 395, 110-110.	27.8	5
69	Divergent effects of forest edges on host distribution and seed disperser activity influence mistletoe distribution and recruitment. <i>Journal of Ecology</i> , 2015, 103, 1475-1486.	4.0	5
70	Complementary Differences in Primary Production and Phenology among Vegetation Types Increase Ecosystem Resilience to Climate Change and Grazing Pressure in an Iconic Mediterranean Ecosystem. <i>Remote Sensing</i> , 2021, 13, 3920.	4.0	5
71	Continuous variation in herkogamy enhances the reproductive response of <i>Lonicera implexa</i> to spatial variation in pollinator assemblages. <i>AoB PLANTS</i> , 2020, 12, plz078.	2.3	3
72	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> , 2013, 214, 965-973.	1.6	2