

Luis Cayuela

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

3,885
citations

159358

30
h-index

138251

58
g-index

84
all docs

84
docs citations

84
times ranked

7534
citing authors

#	ARTICLE	IF	CITATIONS
1	Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7863-E7870.	3.3	401
2	Global trait–environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	3.4	397
3	Monitoring land cover change of the dryland forest landscape of Central Chile (1975–2008). <i>Applied Geography</i> , 2010, 30, 436-447.	1.7	262
4	sPlot – A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019, 30, 161-186.	1.1	185
5	taxonstand: An r package for species names standardisation in vegetation databases. <i>Methods in Ecology and Evolution</i> , 2012, 3, 1078-1083.	2.2	178
6	Clearance and fragmentation of tropical montane forests in the Highlands of Chiapas, Mexico (1975–2000). <i>Forest Ecology and Management</i> , 2006, 226, 208-218.	1.4	154
7	Species Distribution Modeling in the Tropics: Problems, Potentialities, and the Role of Biological Data for Effective Species Conservation. <i>Tropical Conservation Science</i> , 2009, 2, 319-352.	0.6	144
8	Native forest loss in the Chilean biodiversity hotspot: revealing the evidence. <i>Regional Environmental Change</i> , 2017, 17, 285-297.	1.4	144
9	Remote sensing and the future of landscape ecology. <i>Progress in Physical Geography</i> , 2009, 33, 528-546.	1.4	107
10	Synergistic effects of ground cover and adjacent vegetation on natural enemies of olive insect pests. <i>Agriculture, Ecosystems and Environment</i> , 2013, 173, 72-80.	2.5	90
11	Fragmentation, disturbance and tree diversity conservation in tropical montane forests. <i>Journal of Applied Ecology</i> , 2006, 43, 1172-1181.	1.9	86
12	Different times, same story: Native forest loss and landscape homogenization in three physiographical areas of south-central of Chile. <i>Applied Geography</i> , 2015, 60, 20-28.	1.7	86
13	Forest biomass density across large climate gradients in northern South America is related to water availability but not with temperature. <i>PLoS ONE</i> , 2017, 12, e0171072.	1.1	67
14	Native forest replacement by exotic plantations in southern Chile (1985–2011) and partial compensation by natural regeneration. <i>Forest Ecology and Management</i> , 2015, 345, 10-20.	1.4	60
15	The impact of modelling choices in the predictive performance of richness maps derived from species–distribution models: guidelines to build better diversity models. <i>Methods in Ecology and Evolution</i> , 2013, 4, 327-335.	2.2	58
16	Is Ground Cover Vegetation an Effective Biological Control Enhancement Strategy against Olive Pests?. <i>PLoS ONE</i> , 2015, 10, e0117265.	1.1	54
17	Elevation and latitude drives structure and tree species composition in Andean forests: Results from a large-scale plot network. <i>PLoS ONE</i> , 2020, 15, e0231553.	1.1	54
18	The Extent, Distribution, and Fragmentation of Vanishing Montane Cloud Forest in the Highlands of Chiapas, Mexico. <i>Biotropica</i> , 2006, 38, 544-554.	0.8	52

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19	Factors influencing vegetation cover change in Mediterranean Central Chile (1975–2008). <i>Applied Vegetation Science</i> , 2011, 14, 571-582.	0.9	52
20	sPlotOpen – An environmentally balanced, open-access, global dataset of vegetation plots. <i>Global Ecology and Biogeography</i> , 2021, 30, 1740-1764.	2.7	49
21	Modelling tree diversity in a highly fragmented tropical montane landscape. <i>Global Ecology and Biogeography</i> , 2006, 15, 602-613.	2.7	48
22	Evidence of Incipient Forest Transition in Southern Mexico. <i>PLoS ONE</i> , 2012, 7, e42309.	1.1	48
23	Impacts of cattle on the South American temperate forests: Challenges for the conservation of the endangered monkey puzzle tree (<i>Araucaria araucana</i>) in Chile. <i>Biological Conservation</i> , 2012, 152, 110-118.	1.9	46
24	Climate change and the incidence of a forest pest in Mediterranean ecosystems: can the North Atlantic Oscillation be used as a predictor?. <i>Climatic Change</i> , 2012, 113, 699-711.	1.7	45
25	Ecological and biogeographic null hypotheses for comparing rarefaction curves. <i>Ecological Monographs</i> , 2015, 85, 437-455.	2.4	42
26	European Bird distribution is well-represented by Special Protected Areas: Mission accomplished?. <i>Biological Conservation</i> , 2013, 159, 45-50.	1.9	41
27	Effects of Climate Change on the Potential Species Richness of Mesoamerican Forests. <i>Biotropica</i> , 2012, 44, 284-293.	0.8	40
28	Toward Integrated Analysis of Human Impacts on Forest Biodiversity: Lessons from Latin America. <i>Ecology and Society</i> , 2009, 14, .	1.0	38
29	Is insecticide spraying a viable and cost-efficient management practice to control pine processionary moth in Mediterranean woodlands?. <i>Forest Ecology and Management</i> , 2011, 261, 1732-1737.	1.4	33
30	Pseudo-absences, pseudo-models and pseudo-niches: pitfalls of model selection based on the area under the curve. <i>International Journal of Geographical Information Science</i> , 2012, 26, 2049-2063.	2.2	33
31	High rates of forest loss and turnover obscured by classical landscape measures. <i>Applied Geography</i> , 2013, 40, 199-211.	1.7	31
32	Towards a Global Tree Assessment. <i>Oryx</i> , 2015, 49, 410-415.	0.5	31
33	Habitat evaluation for the Iberian wolf <i>Canis lupus</i> in Picos de Europa National Park, Spain. <i>Applied Geography</i> , 2004, 24, 199-215.	1.7	29
34	Potential of pest regulation by insectivorous birds in Mediterranean woody crops. <i>PLoS ONE</i> , 2017, 12, e0180702.	1.1	29
35	Effect of non-crop vegetation types on conservation biological control of pests in olive groves. <i>PeerJ</i> , 2013, 1, e116.	0.9	29
36	Classification of a complex landscape using Dempster–Shafer theory of evidence. <i>International Journal of Remote Sensing</i> , 2006, 27, 1951-1971.	1.3	28

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37	What species-specific traits make a bird a better surrogate of native species richness? A test with insular avifauna. <i>Biological Conservation</i> , 2012, 152, 204-211.	1.9	28
38	Facilitation beyond species richness. <i>Journal of Ecology</i> , 2019, 107, 722-734.	1.9	28
39	Applying climatically associated species pools to the modelling of compositional change in tropical montane forests. <i>Global Ecology and Biogeography</i> , 2008, 17, 262-273.	2.7	27
40	Effects of Land use on Nocturnal Birds in a Mediterranean Agricultural Landscape. <i>Acta Ornithologica</i> , 2011, 46, 173-182.	0.1	27
41	Trade-Offs Among Aboveground, Belowground, and Soil Organic Carbon Stocks Along Altitudinal Gradients in Andean Tropical Montane Forests. <i>Frontiers in Plant Science</i> , 2020, 11, 106.	1.7	26
42	Single best species or natural enemy assemblages? a correlational approach to investigating ecosystem function. <i>BioControl</i> , 2015, 60, 37-45.	0.9	25
43	Tropical forest canopies and their relationships with climate and disturbance: results from a global dataset of consistent field-based measurements. <i>Forest Ecosystems</i> , 2018, 5, .	1.3	24
44	Using climatically based random forests to downscale coarse-grained potential natural vegetation maps in tropical Mexico. <i>Applied Vegetation Science</i> , 2011, 14, 388-401.	0.9	22
45	The differential influences of human-induced disturbances on tree regeneration community: a landscape approach. <i>Ecosphere</i> , 2014, 5, 1-17.	1.0	22
46	Effects of Climate Change on Subtropical Forests of South America. <i>Tropical Conservation Science</i> , 2010, 3, 423-437.	0.6	21
47	Tropical tree species diversity in a mountain system in southern Mexico: local and regional patterns and determinant factors. <i>Biotropica</i> , 2018, 50, 499-509.	0.8	20
48	Climate reverses directionality in the richness–abundance relationship across the World’s main forest biomes. <i>Nature Communications</i> , 2020, 11, 5635.	5.8	20
49	Lifting A Veil On Diversity: A Bayesian Approach To Fitting Relative-Abundance Models. , 2006, 16, 202-212.		19
50	Linking patterns and processes of tree community assembly across spatial scales in tropical montane forests. <i>Ecology</i> , 2020, 101, e03058.	1.5	18
51	Woody species diversity in temperate Andean forests: The need for new conservation strategies. <i>Biological Conservation</i> , 2010, 143, 2080-2091.	1.9	16
52	Supporting underrepresented forests in Mesoamerica. <i>Natureza A Conservacao</i> , 2015, 13, 152-158.	2.5	16
53	Comment on “The extent of forest in dryland biomes”. <i>Science</i> , 2017, 358, .	6.0	16
54	Assessing the influence of environmental and human factors on native and exotic species richness. <i>Acta Oecologica</i> , 2011, 37, 51-57.	0.5	14

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55	Conservation planning of vertebrate diversity in a Mediterranean agricultural-dominant landscape. <i>Biological Conservation</i> , 2011, 144, 2468-2478.	1.9	14
56	The Tree Biodiversity Network (BIOTREE-NET): prospects for biodiversity research and conservation in the Neotropics. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 211-224.	0.2	14
57	Honeybees Increase Fruit Set in Native Plant Species Important for Wildlife Conservation. <i>Environmental Management</i> , 2011, 48, 910-919.	1.2	13
58	Tree damage and population density relationships for the pine processionary moth: Prospects for ecological research and pest management. <i>Forest Ecology and Management</i> , 2014, 328, 319-325.	1.4	13
59	Effects of prey colour on bird predation: an experiment in Mediterranean woodlands. <i>Animal Behaviour</i> , 2020, 170, 89-97.	0.8	13
60	Natural forests loss and tree plantations: large-scale tree cover loss differentiation in a threatened biodiversity hotspot. <i>Environmental Research Letters</i> , 2020, 15, 124055.	2.2	13
61	A method to incorporate the effect of taxonomic uncertainty on multivariate analyses of ecological data. <i>Ecography</i> , 2011, 34, 94-102.	2.1	12
62	Recruitment patterns and potential mechanisms of community assembly in an Andean cloud forest. <i>Journal of Vegetation Science</i> , 2015, 26, 876-888.	1.1	12
63	Early environments drive diversity and floristic composition in Mediterranean old fields: Insights from a long-term experiment. <i>Acta Oecologica</i> , 2008, 34, 311-321.	0.5	11
64	Expansion of elevational range in a forest pest: Can parasitoids track their hosts?. <i>Ecosphere</i> , 2021, 12, e03476.	1.0	11
65	Comments on Bartolino et al. (2011): limits of cumulative relative frequency distribution curves for hotspot identification. <i>Population Ecology</i> , 2011, 53, 597-601.	0.7	10
66	Tree Responses to Edge Effects and Canopy Openness in a Tropical Montane Forest Fragment in Southern Costa Rica. <i>Tropical Conservation Science</i> , 2009, 2, 425-436.	0.6	8
67	Frag SAD : A database of diversity and species abundance distributions from habitat fragments. <i>Ecology</i> , 2019, 100, e02861.	1.5	8
68	What feeds on <i>Quercus ilex</i> ? A biogeographical approach to studying trophic interactions in a Mediterranean keystone species. <i>Diversity and Distributions</i> , 2022, 28, 4-24.	1.9	8
69	Identification of Critical Areas for Mammal Conservation in the Brazilian Atlantic Forest Biosphere Reserve. <i>Natureza A Conservacao</i> , 2011, 9, 73-78.	2.5	7
70	Soil and Geographic Distance as Determinants of Floristic Composition in the Azuero Peninsula (Panama). <i>Biotropica</i> , 2014, 46, 687-695.	0.8	6
71	Recolonization Process and Fish Assemblage Dynamics in the Guadiamar River (SW Spain) After the Aznalc��llar Mine Toxic Spill. <i>River Research and Applications</i> , 2016, 32, 1196-1206.	0.7	6
72	The state of European research in tropical biology. <i>Biotropica</i> , 2018, 50, 202-207.	0.8	6

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73	Spatial and temporal patterns of forest loss and fragmentation in Mexico and Chile.. , 2007, , 14-42.		6
74	Modelling tree diversity in a highly fragmented tropical montane landscape. Global Ecology and Biogeography, 2006, .	2.7	6
75	Analysis of Bundles and Drivers of Change of Multiple Ecosystem Services in an Alpine Region. Journal of Environmental Assessment Policy and Management, 2016, 18, 1650026.	4.3	5
76	Plant diversity in highly fragmented forest landscapes in Mexico and Chile: implications for conservation.. , 2007, , 43-68.		5
77	Unusual positional effects on flower sex in an andromonoecious tree: Resource competition, architectural constraints, or inhibition by the apical flower?. American Journal of Botany, 2017, 104, 608-615.	0.8	4
78	Services provided by birds (high-mobile link species) in farmland and forest mosaics: forest regeneration and plague regulation. Ecosistemas, 2019, 28, 32-41.	0.2	4
79	Soil and Climate Drive Floristic Composition in Tropical Forests: A Literature Review. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	4
80	Grain size affects the relationship between species richness and above-ground biomass in semi-arid rangelands. Plant Ecology and Diversity, 2018, 11, 489-499.	1.0	2
81	Future scenarios for tropical montane and south temperate forest biodiversity in Latin America.. , 2007, , 370-397.		2
82	Variation in Temperature, Precipitation, and Vegetation Greenness Drive Changes in Seasonal Variation of Avian Diversity in an Urban Desert Landscape. Land, 2021, 10, 480.	1.2	1
83	El papel de EspaÃ±a en la investigaciÃ³n biolÃ³gica tropical: Â¿podemos mejorar?. Ecosistemas, 2019, 28, 167-173.	0.2	0