

Fernando Casanoves

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

9,528
citations

236925

25
h-index

64796

79
g-index

84
all docs

84
docs citations

84
times ranked

13751
citing authors

#	ARTICLE	IF	CITATIONS
1	The global spectrum of plant form and function. <i>Nature</i> , 2016, 529, 167-171.	27.8	2,022
2	TRY – a global database of plant traits. <i>Global Change Biology</i> , 2011, 17, 2905-2935.	9.5	2,002
3	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
4	Plant trait responses to grazing ? a global synthesis. <i>Global Change Biology</i> , 2007, 13, 313-341.	9.5	815
5	Plant functional traits and environmental filters at a regional scale. <i>Journal of Vegetation Science</i> , 1998, 9, 113-122.	2.2	653
6	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , 2015, 24, 1314-1328.	5.8	366
7	A multiple-comparisons method based on the distribution of the root node distance of a binary tree. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2002, 7, 129-142.	1.4	314
8	PATTERNS OF ANIMAL DIVERSITY IN DIFFERENT FORMS OF TREE COVER IN AGRICULTURAL LANDSCAPES. , 2006, 16, 1986-1999.		281
9	Does functional trait diversity predict above-ground biomass and productivity of tropical forests? Testing three alternative hypotheses. <i>Journal of Ecology</i> , 2015, 103, 191-201.	4.0	265
10	FDiversity: a software package for the integrated analysis of functional diversity. <i>Methods in Ecology and Evolution</i> , 2011, 2, 233-237.	5.2	210
11	Composition and Dynamics of Functional Groups of Trees During Tropical Forest Succession in Northeastern Costa Rica. <i>Biotropica</i> , 2010, 42, 31-40.	1.6	121
12	Functional biogeography of oceanic islands and the scaling of functional diversity in the Azores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13709-13714.	7.1	103
13	Competition for light in heterogeneous canopies: Application of MAESTRA to a coffee (<i>Coffea arabica</i>) Tj ETQq1 1 0,784314 rgBT /Ov 4.8 87	4.8	87
14	Environmental-economic benefits and trade-offs on sustainably certified coffee farms. <i>Ecological Indicators</i> , 2017, 79, 330-337.	6.3	73
15	Effects of pasture management on the natural regeneration of neotropical trees. <i>Journal of Applied Ecology</i> , 2008, 45, 371-380.	4.0	71
16	Increased light-use efficiency sustains net primary productivity of shaded coffee plants in agroforestry system. <i>Plant, Cell and Environment</i> , 2017, 40, 1592-1608.	5.7	67
17	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021, 13, 2607-2649.	9.9	65
18	Shrub biomass estimation in the semiarid Chaco forest: a contribution to the quantification of an underrated carbon stock. <i>Annals of Forest Science</i> , 2013, 70, 515-524.	2.0	51

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19	Evaluation of Multienvironment Trials of Peanut Cultivars. <i>Crop Science</i> , 2005, 45, crops2005.0018.	1.8	47
20	Shade Effects on the Dispersal of Airborne <i>Hemileia vastatrix</i> Uredospores. <i>Phytopathology</i> , 2016, 106, 572-580.	2.2	47
21	Disentangling above- and below-ground facilitation drivers in arid environments: the role of soil microorganisms, soil properties and microhabitat. <i>New Phytologist</i> , 2017, 216, 1236-1246.	7.3	40
22	Consistency in bird use of tree cover across tropical agricultural landscapes. , 2014, 24, 158-168.		35
23	Non-destructive estimation of the leaf weight and leaf area in cacao (<i>Theobroma cacao</i> L.). <i>Scientia Horticulturae</i> , 2018, 229, 19-24.	3.6	35
24	Selection of forest species for the rehabilitation of disturbed soils in oil fields in the Ecuadorian Amazon. <i>Science of the Total Environment</i> , 2016, 566-567, 761-770.	8.0	32
25	Photosynthesis limitations in cacao leaves under different agroforestry systems in the Colombian Amazon. <i>PLoS ONE</i> , 2018, 13, e0206149.	2.5	31
26	Error Variation in Multienvironment Peanut Trials: Within-Trial Spatial Correlation and Between-Trial Heterogeneity. <i>Crop Science</i> , 2005, 45, 1927-1933.	1.8	30
27	Mycoparasitism by <i>Clonostachys byssicola</i> and <i>Clonostachys rosea</i> on <i>Trichoderma</i> spp. from cocoa (<i>Theobroma cacao</i>) and implication for the design of mixed biocontrol agents. <i>Biological Control</i> , 2013, 67, 317-327.	3.0	30
28	Timber yield from smallholder agroforestry systems in Nicaragua and Honduras. <i>Agroforestry Systems</i> , 2016, 90, 207-218.	2.0	27
29	How climate awareness influences farmers' adaptation decisions in Central America?. <i>Journal of Rural Studies</i> , 2018, 64, 11-19.	4.7	27
30	Shade tree <i>Chloroleucon eurycyclum</i> promotes coffee leaf rust by reducing uredospore wash-off by rain. <i>Crop Protection</i> , 2020, 129, 105038.	2.1	27
31	Cacao agroforestry systems improve soil fertility: Comparison of soil properties between forest, cacao agroforestry systems, and pasture in the Colombian Amazon. <i>Agriculture, Ecosystems and Environment</i> , 2021, 314, 107349.	5.3	26
32	Functional Diversity Indices. <i>SpringerBriefs in Environmental Science</i> , 2012, , 27-51.	0.3	25
33	More Stable Productivity of Semi Natural Grasslands than Sown Pastures in a Seasonally Dry Climate. <i>PLoS ONE</i> , 2012, 7, e35555.	2.5	25
34	Determinants of rain-forest floristic variation on an altitudinal gradient in southern Costa Rica. <i>Journal of Tropical Ecology</i> , 2012, 28, 463-481.	1.1	23
35	Scorpion diversity in two different habitats in the Arid Chaco, Argentina. <i>Journal of Insect Conservation</i> , 2014, 18, 373-384.	1.4	22
36	Relevance of local knowledge in decision-making and rural innovation: A methodological proposal for leveraging participation of Colombian cocoa producers. <i>Journal of Rural Studies</i> , 2020, 75, 119-124.	4.7	20

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37	Human pressure on water quality and water yield in the upper Grijalva river basin in the Mexico-Guatemala border. <i>Ecohydrology and Hydrobiology</i> , 2016, 16, 149-159.	2.3	18
38	Higher leaf nitrogen content is linked to tighter stomatal regulation of transpiration and more efficient water use across dryland trees. <i>New Phytologist</i> , 2022, 235, 1351-1364.	7.3	18
39	Relationship between environmental variables and surface activity of scorpions in the Arid Chaco ecoregion of Argentina. <i>Invertebrate Biology</i> , 2013, 132, 145-155.	0.9	16
40	First typology of cacao (<i>Theobroma cacao</i> L.) systems in Colombian Amazonia, based on tree species richness, canopy structure and light availability. <i>PLoS ONE</i> , 2018, 13, e0191003.	2.5	16
41	Litterfall and nutrient dynamics shift in tropical forest restoration sites after a decade of recovery. <i>Biotropica</i> , 2018, 50, 491-498.	1.6	15
42	Leaf litter stoichiometry affects decomposition rates and nutrient dynamics in tropical forests under restoration in Costa Rica. <i>Restoration Ecology</i> , 2019, 27, 549-558.	2.9	15
43	Determinants of grassland primary production in seasonally-dry silvopastoral systems in Central America. <i>Agroforestry Systems</i> , 2014, 88, 517-526.	2.0	14
44	Selection of Adequate Species for Degraded Areas by Oil Exploitation Industry as a Key Factor for Recovery Forest in the Ecuadorian Amazon. <i>Land Degradation and Development</i> , 2016, 27, 1771-1780.	3.9	14
45	The effect of different levels of tree cover on milk production in dual-purpose livestock systems in the humid tropics of the Colombian Amazon region. <i>Agroforestry Systems</i> , 2021, 95, 93-102.	2.0	13
46	Shade and Agronomic Intensification in Coffee Agroforestry Systems: Trade-Off or Synergy?. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	3.9	12
47	Leaf functional traits vary within and across tree species in tropical cloud forest on rock outcrop versus volcanic soil. <i>Journal of Vegetation Science</i> , 2020, 31, 129-138.	2.2	11
48	Altitude and species identity drive leaf litter decomposition rates of ten species on a 2950 m altitudinal gradient in Neotropical rain forests. <i>Biotropica</i> , 2020, 52, 11-21.	1.6	11
49	Dung Beetle Assemblages Attracted to Cow and Horse Dung: The Importance of Mouthpart Traits, Body Size, and Nesting Behavior in the Community Assembly Process. <i>Life</i> , 2021, 11, 873.	2.4	11
50	Caracterización y rol de los frutales amazónicos en fincas familiares en las provincias de Sucumbios y Orellana (Ecuador). <i>Ciencia Tecnología Agropecuaria</i> , 2018, 19, .	0.3	11
51	Functional responses to anthropogenic disturbance and the importance of selected traits: A study case using dung beetles. <i>Ecological Entomology</i> , 2022, 47, 503-514.	2.2	11
52	Experimental study on survival rates in two arboreal species from the Argentinean Dry Chaco. <i>Forest Ecology and Management</i> , 1998, 103, 203-210.	3.2	10
53	Prediction model for sap flow in cacao trees under different radiation intensities in the western Colombian Amazon. <i>Scientific Reports</i> , 2021, 11, 10512.	3.3	10
54	The positive association between natural vegetation, native coccinellids and functional diversity of aphidophagous coccinellid communities in alfalfa. <i>Insect Conservation and Diversity</i> , 2021, 14, 464-475.	3.0	10

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55	Water Use, Leaf Cooling and Carbon Assimilation Efficiency of Heat Resistant Common Beans Evaluated in Western Amazonia. <i>Frontiers in Plant Science</i> , 2021, 12, 644010.	3.6	9
56	FDiversity: an Integrated Tool to Estimate and Analyze Functional Diversity. <i>Bulletin of the Ecological Society of America</i> , 2011, 92, 147-152.	0.2	8
57	Recovering from forest-to-pasture conversion: leaf decomposition in Central Amazonia, Brazil. <i>Journal of Tropical Ecology</i> , 2014, 30, 93-96.	1.1	8
58	Microhabitat use and behavior differ across sex-age classes in the scorpion <i>Brachistosternus ferrugineus</i> (Scorpiones: Bothriuridae). <i>Journal of Arachnology</i> , 2016, 44, 235-244.	0.5	8
59	Dimensions of social and political capital in interventions to improve household well-being: Implications for coffee-growing areas in southern Colombia. <i>PLoS ONE</i> , 2021, 16, e0245971.	2.5	8
60	Populações de minhocas em sistemas agroflorestais com café convencional e orgânico. <i>Ciencia E Agrotecnologia</i> , 2008, 32, 1184-1188.	1.5	7
61	Concepts and a methodology for evaluating environmental services from trees of small farms in Chiapas, México. <i>Journal of Environmental Management</i> , 2013, 114, 115-124.	7.8	7
62	Agronomic conditions of cacao cultivation: its relationship with the capitals endowment of Colombian rural households. <i>Agroforestry Systems</i> , 2020, 94, 2367-2380.	2.0	7
63	Cacao cultivation as a livelihood strategy: contributions to the well-being of Colombian rural households. <i>Agriculture and Human Values</i> , 2022, 39, 201-216.	3.0	7
64	Non-Destructive Estimation of the Leaf Weight and Leaf Area in Common Bean. <i>Agronomy</i> , 2022, 12, 711.	3.0	6
65	Species interactions across trophic levels mediate rainfall effects on dryland vegetation dynamics. <i>Ecological Monographs</i> , 2021, 91, e01441.	5.4	5
66	Contribution of Livelihoods to the Well-Being of Coffee-Growing Households in Southern Colombia: A Structural Equation Modeling Approach. <i>Sustainability</i> , 2022, 14, 743.	3.2	5
67	Effects of Production Practices on the Abundance of Quarantine Pests in <i>Dracaena marginata</i> in Costa Rican Production Fields. <i>Journal of Economic Entomology</i> , 2008, 101, 1779-1785.	1.8	4
68	Factors Influencing the Abundance of Pests in Production Fields and Rates of Interception of <i>Dracaena marginata</i> Imported From Costa Rica. <i>Journal of Economic Entomology</i> , 2013, 106, 2027-2034.	1.8	4
69	Effects of Weed Cover Composition on Insect Pest and Natural Enemy Abundance in a Field of <i>Dracaena marginata</i> (Asparagales: Asparagaceae) in Costa Rica. <i>Environmental Entomology</i> , 2014, 43, 320-327.	1.4	4
70	Almacenamiento de carbono en sistemas agroforestales en los Llanos Orientales de Colombia. <i>Revista De Biología Tropical</i> , 2021, 69, .	0.4	4
71	Impact of Shrimp Ponds on Mangrove Blue Carbon Stocks in Ecuador. <i>Forests</i> , 2021, 12, 816.	2.1	4
72	Above-ground biomass storage potential in primary rain forests managed for timber production in Costa Rica. <i>Forest Ecology and Management</i> , 2021, 497, 119462.	3.2	4

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73	Influence of scattered trees in grazing areas on soil properties in the Piedmont region of the Colombian Amazon. PLoS ONE, 2021, 16, e0261612.	2.5	4
74	Population dynamic and management of <i>Pinus oocarpa</i> and <i>Tabebuia rosea</i> within silvopastoral systems in Central America. Agroforestry Systems, 2017, 91, 1119-1127.	2.0	3
75	Biomass of timber species in Central American secondary forests: Towards climate change mitigation through sustainable timber harvesting. Forest Ecology and Management, 2021, 496, 119439.	3.2	3
76	How Close Are We to Self-Provisioning? A Look at the Livelihood Strategies of Rural Households in the Southern Andean Region of Colombia. Sustainability, 2022, 14, 2504.	3.2	2
77	Intraspecific variation in biocontrol traits in <i>Mastrus ridens</i> (Hymenoptera: Ichneumonidae) laboratory populations. BioControl, 2021, 66, 475-485.	2.0	1
78	How to Estimate Functional Diversity Indices. SpringerBriefs in Environmental Science, 2012, , 53-95.	0.3	0
79	Community aggregated traits disclose functional responses to seasonal resource fluctuations and spatial heterogeneity. Journal of Vegetation Science, 2017, 28, 291-302.	2.2	0