

Daniel Piotto

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

5,020
citations

331670

21
h-index

276875

41
g-index

48
all docs

48
docs citations

48
times ranked

8077
citing authors

#	ARTICLE	IF	CITATIONS
1	The number of tree species on Earth. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	86
2	Litter production in successional forests of southern Bahia, Brazil. Journal of Tropical Ecology, 2022, 38, 377-385.	1.1	1
3	Strong floristic distinctiveness across Neotropical successional forests. Science Advances, 2022, 8, .	10.3	10
4	Broad-scale and long-term forest growth predictions and management for native, mixed species plantations and teak in Costa Rica and Panama. Forest Ecology and Management, 2022, 520, 120386.	3.2	4
5	Recovering ecosystem functions through the management of regenerating community in agroforestry and plantations with <i>Khaya</i> spp. in the Atlantic Forest, Brazil. Forest Ecology and Management, 2021, 482, 118854.	3.2	10
6	Nearby mature forest distance and regenerating forest age influence tree species composition in the Atlantic forest of Southern Bahia, Brazil. Biodiversity and Conservation, 2021, 30, 2165-2180.	2.6	2
7	Timber stock recovery in a chronosequence of secondary forests in Southern Brazil: Adding value to restored landscapes. Forest Ecology and Management, 2021, 495, 119352.	3.2	13
8	Drought and soil nutrients effects on symbiotic nitrogen fixation in seedlings from eight Neotropical legume species. Biotropica, 2021, 53, 703-713.	1.6	10
9	Multidimensional tropical forest recovery. Science, 2021, 374, 1370-1376.	12.6	165
10	Restoration plantings of non-pioneer tree species in open fields, young secondary forests, and rubber plantations in Bahia, Brazil. Forest Ecology and Management, 2020, 474, 118389.	3.2	4
11	Recent deforestation drove the spike in Amazonian fires. Environmental Research Letters, 2020, 15, 121003.	5.2	46
12	Exploring coarse- to fine-scale approaches for mapping and estimating forest volume from Brazilian National Forest Inventory data. Forestry, 2019, 92, 577-590.	2.3	0
13	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. Nature, 2019, 569, 404-408.	27.8	371
14	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. Nature Ecology and Evolution, 2019, 3, 928-934.	7.8	120
15	Biodiversity recovery of Neotropical secondary forests. Science Advances, 2019, 5, eaau3114.	10.3	291
16	Successional, spatial, and seasonal changes in seed rain in the Atlantic forest of southern Bahia, Brazil. PLoS ONE, 2019, 14, e0226474.	2.5	18
17	Title is missing!. , 2019, 14, e0226474.		0
18	Title is missing!. , 2019, 14, e0226474.		0

#	ARTICLE	IF	CITATIONS
19	Title is missing!. , 2019, 14, e0226474.		0
20	Title is missing!. , 2019, 14, e0226474.		0
21	Landscape-scale lidar analysis of aboveground biomass distribution in secondary Brazilian Atlantic Forest. <i>Biotropica</i> , 2018, 50, 520-530.	1.6	20
22	Nitrogen cycling during secondary succession in Atlantic Forest of Bahia, Brazil. <i>Scientific Reports</i> , 2018, 8, 1377.	3.3	34
23	A New Framework for Evaluating Estimates of Symbiotic Nitrogen Fixation in Forests. <i>American Naturalist</i> , 2018, 192, 618-629.	2.1	12
24	Legume abundance along successional and rainfall gradients in Neotropical forests. <i>Nature Ecology and Evolution</i> , 2018, 2, 1104-1111.	7.8	107
25	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. <i>Nature Ecology and Evolution</i> , 2017, 1, 1639-1642.	7.8	95
26	PALMS AS SOURCE OF NON-TIMBER FOREST PRODUCTS IN THE SOUTHERN BAHIA COAST, BRAZIL. <i>Agrotrópica (Itabuna)</i> , 2017, 29, 183-194.	0.1	3
27	Integrative research identifies 71 new plant species records in the state of Rio Grande do Norte (Brazil) and enhances a small herbarium collection during a funding shortage. <i>PhytoKeys</i> , 2017, 86, 43-74.	1.0	11
28	Regression models for estimating leaf area of seedlings and adult individuals of Neotropical rainforest tree species. <i>Brazilian Journal of Biology</i> , 2016, 76, 983-989.	0.9	12
29	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016, 354, .	12.6	864
30	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. <i>Science Advances</i> , 2016, 2, e1501639.	10.3	423
31	Biomass resilience of Neotropical secondary forests. <i>Nature</i> , 2016, 530, 211-214.	27.8	763
32	Recommendations for the use of tree models to estimate national forest biomass and assess their uncertainty. <i>Annals of Forest Science</i> , 2015, 72, 769-777.	2.0	18
33	An overview of existing and promising technologies for national forest monitoring. <i>Annals of Forest Science</i> , 2015, 72, 779-788.	2.0	17
34	Overcoming obstacles to sharing data on tree allometric equations. <i>Annals of Forest Science</i> , 2015, 72, 789-794.	2.0	4
35	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. <i>Journal of Ecology</i> , 2015, 103, 978-989.	4.0	131
36	Mapping tree density at a global scale. <i>Nature</i> , 2015, 525, 201-205.	27.8	642

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37	Guidelines for documenting and reporting tree allometric equations. <i>Annals of Forest Science</i> , 2015, 72, 763-768.	2.0	43
38	Mixed Plantations of Native Trees on Abandoned Pastures: Restoring Productivity, Ecosystem Properties, and Services on a Humid Tropical Site. <i>Tropical Forestry</i> , 2011, , 501-511.	1.0	6
39	Silvicultural and economic aspects of pure and mixed native tree species plantations on degraded pasturelands in humid Costa Rica. <i>New Forests</i> , 2010, 39, 369-385.	1.7	66
40	Forest recovery after swidden cultivation across a 40-year chronosequence in the Atlantic forest of southern Bahia, Brazil. <i>Plant Ecology</i> , 2009, 205, 261-272.	1.6	79
41	A meta-analysis comparing tree growth in monocultures and mixed plantations. <i>Forest Ecology and Management</i> , 2008, 255, 781-786.	3.2	237
42	Forest Plantations in Costa Rica and Nicaragua. <i>Journal of Sustainable Forestry</i> , 2004, 18, 59-77.	1.4	16
43	Pure and mixed forest plantations with native species of the dry tropics of Costa Rica: a comparison of growth and productivity. <i>Forest Ecology and Management</i> , 2004, 190, 359-372.	3.2	137
44	Performance of forest plantations in small and medium-sized farms in the Atlantic lowlands of Costa Rica. <i>Forest Ecology and Management</i> , 2003, 175, 195-204.	3.2	75
45	Growth and effects of thinning of mixed and pure plantations with native trees in humid tropical Costa Rica. <i>Forest Ecology and Management</i> , 2003, 177, 427-439.	3.2	51