

I C Guimarães Vieira

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

11,944
citations

43973

48
h-index

110170

64
g-index

67
all docs

67
docs citations

67
times ranked

13713
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperdominance in the Amazonian Tree Flora. <i>Science</i> , 2013, 342, 1243092.	6.0	873
2	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015, 519, 344-348.	13.7	796
3	Biomass resilience of Neotropical secondary forests. <i>Nature</i> , 2016, 530, 211-214.	13.7	763
4	Anthropogenic disturbance in tropical forests can double biodiversity loss from deforestation. <i>Nature</i> , 2016, 535, 144-147.	13.7	718
5	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. <i>Biogeosciences</i> , 2012, 9, 2203-2246.	1.3	487
6	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , 2017, 355, 925-931.	6.0	443
7	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. <i>Science Advances</i> , 2016, 2, e1501639.	4.7	423
8	Pervasive transition of the Brazilian land-use system. <i>Nature Climate Change</i> , 2014, 4, 27-35.	8.1	407
9	Recuperation of nitrogen cycling in Amazonian forests following agricultural abandonment. <i>Nature</i> , 2007, 447, 995-998.	13.7	381
10	When is a forest a forest? Forest concepts and definitions in the era of forest and landscape restoration. <i>Ambio</i> , 2016, 45, 538-550.	2.8	341
11	A large-scale field assessment of carbon stocks in human-modified tropical forests. <i>Global Change Biology</i> , 2014, 20, 3713-3726.	4.2	300
12	Biodiversity recovery of Neotropical secondary forests. <i>Science Advances</i> , 2019, 5, eaau3114.	4.7	291
13	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). <i>Journal of Vegetation Science</i> , 2002, 13, 439-450.	1.1	285
14	Designing optimal human-modified landscapes for forest biodiversity conservation. <i>Ecology Letters</i> , 2020, 23, 1404-1420.	3.0	279
15	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019, 25, 39-56.	4.2	265
16	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , 2017, 7, 39102.	1.6	251
17	NITROGEN AND PHOSPHORUS LIMITATION OF BIOMASS GROWTH IN A TROPICAL SECONDARY FOREST. , 2004, 14, 150-163.		250
18	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , 2014, 23, 935-946.	2.7	248

#	ARTICLE	IF	CITATIONS
19	How pervasive is biotic homogenization in human-modified tropical forest landscapes?. <i>Ecology Letters</i> , 2015, 18, 1108-1118.	3.0	233
20	Biodiversity conservation in human-modified Amazonian forest landscapes. <i>Biological Conservation</i> , 2010, 143, 2314-2327.	1.9	218
21	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , 2015, 6, 6857.	5.8	214
22	Ecological Impacts of Selective Logging in the Brazilian Amazon: A Case Study from the Paragominas Region of the State of Para. <i>Biotropica</i> , 1989, 21, 98.	0.8	208
23	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , 2020, 368, 869-874.	6.0	198
24	Classifying successional forests using Landsat spectral properties and ecological characteristics in eastern Amazônia. <i>Remote Sensing of Environment</i> , 2003, 87, 470-481.	4.6	165
25	Toward an integrated monitoring framework to assess the effects of tropical forest degradation and recovery on carbon stocks and biodiversity. <i>Global Change Biology</i> , 2016, 22, 92-109.	4.2	165
26	Multidimensional tropical forest recovery. <i>Science</i> , 2021, 374, 1370-1376.	6.0	165
27	A framework for integrating biodiversity concerns into national REDD+ programmes. <i>Biological Conservation</i> , 2012, 154, 61-71.	1.9	138
28	A social and ecological assessment of tropical land uses at multiple scales: the Sustainable Amazon Network. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120166.	1.8	133
29	Estimating the global conservation status of more than 15,000 Amazonian tree species. <i>Science Advances</i> , 2015, 1, e1500936.	4.7	122
30	Social, economic, and ecological consequences of selective logging in an Amazon frontier: the case of Tailândia. <i>Forest Ecology and Management</i> , 1991, 46, 243-273.	1.4	120
31	Land use change emission scenarios: anticipating a forest transition process in the Brazilian Amazon. <i>Global Change Biology</i> , 2016, 22, 1821-1840.	4.2	118
32	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. <i>Global Change Biology</i> , 2016, 22, 3996-4013.	4.2	116
33	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. <i>Scientific Reports</i> , 2018, 8, 1003.	1.6	113
34	Second rate or a second chance? Assessing biomass and biodiversity recovery in regenerating Amazonian forests. <i>Global Change Biology</i> , 2018, 24, 5680-5694.	4.2	107
35	Legume abundance along successional and rainfall gradients in Neotropical forests. <i>Nature Ecology and Evolution</i> , 2018, 2, 1104-1111.	3.4	107
36	Carbon and nutrient storage in primary and secondary forests in eastern Amazônia. <i>Forest Ecology and Management</i> , 2001, 147, 245-252.	1.4	100

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37	Carbon-focused conservation may fail to protect the most biodiverse tropical forests. <i>Nature Climate Change</i> , 2018, 8, 744-749.	8.1	98
38	The critical importance of considering fire in REDD+ programs. <i>Biological Conservation</i> , 2012, 154, 1-8.	1.9	95
39	Deforestation and threats to the biodiversity of Amazonia. <i>Brazilian Journal of Biology</i> , 2008, 68, 949-956.	0.4	93
40	Understanding Brazil's catastrophic fires: Causes, consequences and policy needed to prevent future tragedies. <i>Perspectives in Ecology and Conservation</i> , 2021, 19, 233-255.	1.0	89
41	Branch xylem density variations across the Amazon Basin. <i>Biogeosciences</i> , 2009, 6, 545-568.	1.3	84
42	Modeling the spatial and temporal heterogeneity of deforestation-driven carbon emissions: the INPE-EM framework applied to the Brazilian Amazon. <i>Global Change Biology</i> , 2012, 18, 3346-3366.	4.2	81
43	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , 2015, 21, 1295-1307.	1.9	72
44	Nitrogen and phosphorus additions negatively affect tree species diversity in tropical forest regrowth trajectories. <i>Ecology</i> , 2010, 91, 2121-2131.	1.5	63
45	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , 2014, 17, 527-536.	3.0	63
46	The status of conservation of urban forests in eastern Amazonia. <i>Brazilian Journal of Biology</i> , 2012, 72, 257-265.	0.4	59
47	Poor Prospects for Avian Biodiversity in Amazonian Oil Palm. <i>PLoS ONE</i> , 2015, 10, e0122432.	1.1	57
48	Mechanisms of plant regeneration during succession after shifting cultivation in eastern Amazonia. <i>Plant Ecology</i> , 2007, 192, 303-315.	0.7	54
49	Challenges of Governing Second-Growth Forests: A Case Study from the Brazilian Amazonian State of Pará. <i>Forests</i> , 2014, 5, 1737-1752.	0.9	53
50	Slash and Burn and Shifting-Cultivation Systems in Forest Agriculture Frontiers from the Brazilian Amazon. <i>Society and Natural Resources</i> , 2013, 26, 1454-1467.	0.9	47
51	Land system science in Latin America: challenges and perspectives. <i>Current Opinion in Environmental Sustainability</i> , 2017, 26-27, 37-46.	3.1	44
52	Basin-wide variations in Amazon forest nitrogen-cycling characteristics as inferred from plant and soil ¹⁵ N and ¹⁴ N measurements. <i>Plant Ecology and Diversity</i> , 2014, 7, 173-187.	1.0	43
53	Brazilian legislation on genetic heritage harms Biodiversity Convention goals and threatens basic biology research and education. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 1279-1284.	0.3	34
54	Development paradigms contributing to the transformation of the Brazilian Amazon: do people matter?. <i>Current Opinion in Environmental Sustainability</i> , 2017, 26-27, 77-83.	3.1	32

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55	Seeing the woods through the saplings: Using wood density to assess the recovery of human-modified Amazonian forests. <i>Journal of Ecology</i> , 2018, 106, 2190-2203.	1.9	31
56	Floristic impoverishment of Amazonian floodplain forests managed for açá fruit production. <i>Forest Ecology and Management</i> , 2015, 351, 20-27.	1.4	30
57	Nonfrontier Deforestation in the Eastern Amazon. <i>Earth Interactions</i> , 2010, 14, 1-15.	0.7	14
58	Developing Cost-Effective Field Assessments of Carbon Stocks in Human-Modified Tropical Forests. <i>PLoS ONE</i> , 2015, 10, e0133139.	1.1	13
59	Oil-palm concerns in Brazilian Amazon. <i>Nature</i> , 2013, 497, 188-188.	13.7	12
60	Modelling the distribution of Amazonian tree species in response to long-term climate change during the Mid-Late Holocene. <i>Journal of Biogeography</i> , 2020, 47, 1530-1540.	1.4	10
61	Land use drives change in amazonian tree species. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20190186.	0.3	8
62	Floristic and structural status of forests in permanent preservation areas of Moju river basin, Amazon region. <i>Brazilian Journal of Biology</i> , 2016, 76, 912-927.	0.4	5
63	Identification of Priority Areas for Ecological Restoration in Eastern Pará, Brazil. <i>Floresta E Ambiente</i> , 2020, 27, .	0.1	5
64	Territórios e alianças políticas do pós-ambientalismo. <i>Estudos Avancados</i> , 2019, 33, 67-90.	0.2	5
65	Spatial-temporal evolution of landscape degradation on the Guamã River Basin, Brazil. <i>Brazilian Journal of Environmental Sciences (Online)</i> , 2021, 56, 480-490.	0.1	3
66	Historical trajectory and resilience in an agro-extractive settlement project in the Lower Tocantins River, Pará, Brazil. <i>Sustentabilidade Em Debate</i> , 2021, 12, 108-143.	0.4	0