I C Guimares Vieira

List of Publications by Citations

65	8,619	45	67
papers	citations	h-index	g-index
67	10,256	11.3	5.04
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
65	Hyperdominance in the Amazonian tree flora. *Science*, **2013**, 342, 1243092	33.3	637
64	Long-term decline of the Amazon carbon sink. *Nature*, **2015**, 519, 344-8	50.4	583
63	Biomass resilience of Neotropical secondary forests. *Nature*, **2016**, 530, 211-4	50.4	557
62	Anthropogenic disturbance in tropical forests can double biodiversity loss from deforestation. *Nature*, **2016**, 535, 144-7	50.4	502
61	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. *Biogeosciences*, **2012**, 9, 2203-2246	4.6	387
60	Pervasive transition of the Brazilian land-use system. *Nature Climate Change*, **2014**, 4, 27-35	21.4	336
59	Recuperation of nitrogen cycling in Amazonian forests following agricultural abandonment. *Nature*, **2007**, 447, 995-8	50.4	321
58	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. *Science Advances*, **2016**, 2, e1501639	14.3	289
57	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. *Science* , **2017**, 355, 925-931	33.3	280
56	When is a forest a forest? Forest concepts and definitions in the era of forest and landscape restoration. *Ambio*, **2016**, 45, 538-50	6.5	246
55	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). *Journal of Vegetation Science*, **2002**, 13, 439-450	3.1	242
54	A large-scale field assessment of carbon stocks in human-modified tropical forests. *Global Change Biology*, **2014**, 20, 3713-26	11.4	237
53	NITROGEN AND PHOSPHORUS LIMITATION OF BIOMASS GROWTH IN A TROPICAL SECONDARY FOREST **2004**, 14, 150-163		214
52	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. *Global Ecology and Biogeography*, **2014**, 23, 935-946	6.1	205
51	Biodiversity conservation in human-modified Amazonian forest landscapes. *Biological Conservation*, **2010**, 143, 2314-2327	6.2	184
50	Diversity and carbon storage across the tropical forest biome. *Scientific Reports*, **2017**, 7, 39102	4.9	177
49	How pervasive is biotic homogenization in human-modified tropical forest landscapes?. *Ecology Letters*, **2015**, 18, 1108-18	10	170

48	Ecological Impacts of Selective Logging in the Brazilian Amazon: A Case Study from the Paragominas Region of the State of Para. *Biotropica*, **1989**, 21, 98	2.3	168
47	Biodiversity recovery of Neotropical secondary forests. *Science Advances*, **2019**, 5, eaau3114	14.3	161
46	Compositional response of Amazon forests to climate change. *Global Change Biology*, **2019**, 25, 39-56	11.4	158
45	Hyperdominance in Amazonian forest carbon cycling. *Nature Communications*, **2015**, 6, 6857	17.4	157
44	Classifying successional forests using Landsat spectral properties and ecological characteristics in eastern Amazônia. *Remote Sensing of Environment*, **2003**, 87, 470-481	13.2	141
43	Toward an integrated monitoring framework to assess the effects of tropical forest degradation and recovery on carbon stocks and biodiversity. *Global Change Biology*, **2016**, 22, 92-109	11.4	126
42	Designing optimal human-modified landscapes for forest biodiversity conservation. *Ecology Letters*, **2020**, 23, 1404-1420	10	110
41	A framework for integrating biodiversity concerns into national REDD+ programmes. *Biological Conservation*, **2012**, 154, 61-71	6.2	107
40	A social and ecological assessment of tropical land uses at multiple scales: the Sustainable Amazon Network. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2013**, 368, 20120166	5.8	102
39	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. *Global Change Biology*, **2016**, 22, 3996-4013	11.4	99
38	Land use change emission scenarios: anticipating a forest transition process in the Brazilian Amazon. *Global Change Biology*, **2016**, 22, 1821-40	11.4	94
37	Regional and large-scale patterns in Amazon forest structure and function are mediated by variations in soil physical and chemical properties		93
36	Long-term thermal sensitivity of Earth's tropical forests. *Science*, **2020**, 368, 869-874	33.3	92
35	Social, economic, and ecological consequences of selective logging in an Amazon frontier: the case of Tailândia. *Forest Ecology and Management*, **1991**, 46, 243-273	3.9	92
34	Estimating the global conservation status of more than 15,000 Amazonian tree species. *Science Advances*, **2015**, 1, e1500936	14.3	91
33	Carbon and nutrient storage in primary and secondary forests in eastern Amazônia. *Forest Ecology and Management*, **2001**, 147, 245-252	3.9	85
32	The critical importance of considering fire in REDD+ programs. *Biological Conservation*, **2012**, 154, 1-8	6.2	81
31	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. *Scientific Reports*, **2018**, 8, 1003	4.9	78

30	Branch xylem density variations across the Amazon Basin. *Biogeosciences*, **2009**, 6, 545-568	4.6	73
29	Second rate or a second chance? Assessing biomass and biodiversity recovery in regenerating Amazonian forests. *Global Change Biology*, **2018**, 24, 5680-5694	11.4	71
28	Legume abundance along successional and rainfall gradients in Neotropical forests. *Nature Ecology and Evolution*, **2018**, 2, 1104-1111	12.3	71
27	Modeling the spatial and temporal heterogeneity of deforestation-driven carbon emissions: the INPE-EM framework applied to the Brazilian Amazon. *Global Change Biology*, **2012**, 18, 3346-3366	11.4	67
26	Carbon-focused conservation may fail to protect the most biodiverse tropical forests. *Nature Climate Change*, **2018**, 8, 744-749	21.4	64
25	Deforestation and threats to the biodiversity of Amazonia. *Brazilian Journal of Biology*, **2008**, 68, 949-56	1.5	61
24	Phylogenetic diversity of Amazonian tree communities. *Diversity and Distributions*, **2015**, 21, 1295-1307	5	56
23	The status of conservation of urban forests in eastern Amazonia. *Brazilian Journal of Biology*, **2012**, 72, 257-65	1.5	53
22	Nitrogen and phosphorus additions negatively affect tree species diversity in tropical forest regrowth trajectories. *Ecology*, **2010**, 91, 2121-31	4.6	50
21	Fast demographic traits promote high diversification rates of Amazonian trees. *Ecology Letters*, **2014**, 17, 527-36	10	48
20	Poor prospects for avian biodiversity in Amazonian oil palm. *PLoS ONE*, **2015**, 10, e0122432	3.7	44
19	Challenges of Governing Second-Growth Forests: A Case Study from the Brazilian Amazonian State of Par *Forests*, **2014**, 5, 1737-1752	2.8	42
18	Mechanisms of plant regeneration during succession after shifting cultivation in eastern Amazonia. *Plant Ecology*, **2007**, 192, 303-315	1.7	42
17	Basin-wide variations in Amazon forest nitrogen-cycling characteristics as inferred from plant and soil 15N:14N measurements. *Plant Ecology and Diversity*, **2014**, 7, 173-187	2.2	35
16	âSlash and Burnâand âShiftingâCultivation Systems in Forest Agriculture Frontiers from the Brazilian Amazon. *Society and Natural Resources*, **2013**, 26, 1454-1467	2.4	35
15	Land system science in Latin America: challenges and perspectives. *Current Opinion in Environmental Sustainability*, **2017**, 26-27, 37-46	7.2	34
14	Multidimensional tropical forest recovery. *Science*, **2021**, 374, 1370-1376	33.3	23
13	Development paradigms contributing to the transformation of the Brazilian Amazon: do people matter?. *Current Opinion in Environmental Sustainability*, **2017**, 26-27, 77-83	7.2	22

12	Seeing the woods through the saplings: Using wood density to assess the recovery of human-modified Amazonian forests. *Journal of Ecology*, **2018**, 106, 2190-2203	6	19
11	Floristic impoverishment of Amazonian floodplain forests managed for a fruit production. *Forest Ecology and Management*, **2015**, 351, 20-27	3.9	18
10	Understanding Brazil catastrophic fires: Causes, consequences and policy needed to prevent future tragedies. *Perspectives in Ecology and Conservation*, **2021**, 19, 233-255	3.5	16
9	Nonfrontier Deforestation in the Eastern Amazon. *Earth Interactions*, **2010**, 14, 1-15	1.5	12
8	Forests: Oil-palm concerns in Brazilian Amazon. *Nature*, **2013**, 497, 188	50.4	11
7	Developing Cost-Effective Field Assessments of Carbon Stocks in Human-Modified Tropical Forests. *PLoS ONE*, **2015**, 10, e0133139	3.7	11
6	Land use drives change in amazonian tree species. *Anais Da Academia Brasileira De Ciencias*, **2019**, 91, e20190186	1.4	5
5	Modelling the distribution of Amazonian tree species in response to long-term climate change during the Mid-Late Holocene. *Journal of Biogeography*, **2020**, 47, 1530-1540	4.1	4
4	Identification of Priority Areas for Ecological Restoration in Eastern Par Brazil. *Floresta E Ambiente*, **2020**, 27,	1	3
3	Territ os e alian as pol ticas do p -ambientalismo. *Estudos Avancados*, **2019**, 33, 67-90	0.6	3
2	Floristic and structural status of forests in permanent preservation areas of Moju river basin, Amazon region. *Brazilian Journal of Biology*, **2016**, 76, 912-927	1.5	3
1	Spatial-temporal evolution of landscape degradation on the Guam River Basin, Brazil. *Brazilian Journal of Environmental Sciences (Online)*, **2021**, 56, 480-490	1	0