

# Niro Higuchi

## List of Publications by Citations

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174  
papers

13,960  
citations

53  
h-index

117  
g-index

185  
ext. papers

15,913  
ext. citations

5.8  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
174	Tree allometry and improved estimation of carbon stocks and balance in tropical forests. <i>Oecologia</i> , <b>2005</b> , 145, 87-99	2.9	1855
173	Drought sensitivity of the Amazon rainforest. <i>Science</i> , <b>2009</b> , 323, 1344-7	33.3	1213
172	Changes in the carbon balance of tropical forests: evidence from long-term plots. <i>Science</i> , <b>1998</b> , 282, 439-42	33.3	592
171	Long-term decline of the Amazon carbon sink. <i>Nature</i> , <b>2015</b> , 519, 344-8	50.4	583
170	The regional variation of aboveground live biomass in old-growth Amazonian forests. <i>Global Change Biology</i> , <b>2006</b> , 12, 1107-1138	11.4	424
169	Drought-mortality relationships for tropical forests. <i>New Phytologist</i> , <b>2010</b> , 187, 631-46	9.8	400
168	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. <i>Biogeosciences</i> , <b>2012</b> , 9, 2203-2246	4.6	387
167	The above-ground coarse wood productivity of 104 Neotropical forest plots. <i>Global Change Biology</i> , <b>2004</b> , 10, 563-591	11.4	366
166	Increasing biomass in Amazonian forest plots. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 359, 353-65	5.8	347
165	Pattern and process in Amazon tree turnover, 1976-2001. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 359, 381-407	5.8	325
164	Height-diameter allometry of tropical forest trees. <i>Biogeosciences</i> , <b>2011</b> , 8, 1081-1106	4.6	311
163	Decomposition and carbon cycling of dead trees in tropical forests of the central Amazon. <i>Oecologia</i> , <b>2000</b> , 122, 380-388	2.9	308
162	Tree damage, allometric relationships, and above-ground net primary production in central Amazon forest. <i>Forest Ecology and Management</i> , <b>2001</b> , 152, 73-84	3.9	300
161	Tree height integrated into pantropical forest biomass estimates. <i>Biogeosciences</i> , <b>2012</b> , 9, 3381-3403	4.6	289
160	RESPIRATION FROM A TROPICAL FOREST ECOSYSTEM: PARTITIONING OF SOURCES AND LOW CARBON USE EFFICIENCY <b>2004</b> , 14, 72-88		280
159	An international network to monitor the structure, composition and dynamics of Amazonian forests (RAINFOR). <i>Journal of Vegetation Science</i> , <b>2002</b> , 13, 439-450	3.1	242
158	Variation in aboveground tree live biomass in a central Amazonian Forest: Effects of soil and topography. <i>Forest Ecology and Management</i> , <b>2006</b> , 234, 85-96	3.9	236

157	Concerted changes in tropical forest structure and dynamics: evidence from 50 South American long-term plots. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 359, 421-36	5.8	213
156	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 935-946	6.1	205
155	Ancient trees in Amazonia. <i>Nature</i> , <b>1998</b> , 391, 135-136	50.4	195
154	The changing Amazon forest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2008</b> , 363, 1819-27	5.8	168
153	What controls tropical forest architecture? Testing environmental, structural and floristic drivers. <i>Global Ecology and Biogeography</i> , <b>2012</b> , 21, 1179-1190	6.1	158
152	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , <b>2019</b> , 25, 39-56	11.4	158
151	The steady-state mosaic of disturbance and succession across an old-growth Central Amazon forest landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 3949-54	11.5	148
150	Forest structure and carbon dynamics in Amazonian tropical rain forests. <i>Oecologia</i> , <b>2004</b> , 140, 468-79	2.9	140
149	Tropical forest tree mortality, recruitment and turnover rates: calculation, interpretation and comparison when census intervals vary. <i>Journal of Ecology</i> , <b>2004</b> , 92, 929-944	6	137
148	Amazon forest carbon dynamics predicted by profiles of canopy leaf area and light environment. <i>Ecology Letters</i> , <b>2012</b> , 15, 1406-14	10	132
147	CHANGES IN GROWTH OF TROPICAL FORESTS: EVALUATING POTENTIAL BIASES <b>2002</b> , 12, 576-587		123
146	Slow growth rates of Amazonian trees: consequences for carbon cycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 18502-7	11.5	118
145	The stable carbon and nitrogen isotopic composition of vegetation in tropical forests of the Amazon Basin, Brazil. <i>Biogeochemistry</i> , <b>2006</b> , 79, 251-274	3.8	117
144	Influence of soil texture on carbon dynamics and storage potential in tropical forest soils of Amazonia. <i>Global Biogeochemical Cycles</i> , <b>2003</b> , 17, n/a-n/a	5.9	109
143	Comparison of formulae for biomass content determination in a tropical rain forest site in the state of Par� Brazil. <i>Forest Ecology and Management</i> , <b>1999</b> , 117, 43-52	3.9	104
142	Response of tree biomass and wood litter to disturbance in a Central Amazon forest. <i>Oecologia</i> , <b>2004</b> , 141, 596-611	2.9	102
141	Diameter increment and growth patterns for individual tree growing in Central Amazon, Brazil. <i>Forest Ecology and Management</i> , <b>2002</b> , 166, 295-301	3.9	102
140	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> , <b>2016</b> , 22, 3996-4013	11.4	99

139	Biomassa da parte aérea da vegetação da Floresta Tropical úmida de terra-firme da Amazônia Brasileira. <i>Acta Amazonica</i> , <b>1998</b> , 28, 153-153	0.8	99
138	Carbon sink for a century. <i>Nature</i> , <b>2001</b> , 410, 429	50.4	98
137	Regional and large-scale patterns in Amazon forest structure and function are mediated by variations in soil physical and chemical properties		93
136	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , <b>2020</b> , 368, 869-874	33.3	92
135	Widespread Amazon forest tree mortality from a single cross-basin squall line event. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	92
134	Branch xylem density variations across the Amazon Basin. <i>Biogeosciences</i> , <b>2009</b> , 6, 545-568	4.6	73
133	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1). <i>Geoscientific Model Development</i> , <b>2014</b> , 7, 1251-1269	6.3	72
132	Do species traits determine patterns of wood production in Amazonian forests?. <i>Biogeosciences</i> , <b>2009</b> , 6, 297-307	4.6	72
131	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. <i>Global Change Biology</i> , <b>2009</b> , 15, 2418-2430	11.4	70
130	Species Spectral Signature: Discriminating closely related plant species in the Amazon with Near-Infrared Leaf-Spectroscopy. <i>Forest Ecology and Management</i> , <b>2013</b> , 291, 240-248	3.9	69
129	Carbon isotope discrimination in forest and pasture ecosystems of the Amazon Basin, Brazil. <i>Global Biogeochemical Cycles</i> , <b>2002</b> , 16, 56-1-56-10	5.9	62
128	Variations in Amazon forest productivity correlated with foliar nutrients and modelled rates of photosynthetic carbon supply. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 366, 3316-29	5.8	61
127	Understanding the Influences of Spatial Patterns on N Availability Within the Brazilian Amazon Forest. <i>Ecosystems</i> , <b>2008</b> , 11, 1234-1246	3.9	59
126	Estimation of biomass and carbon stocks: the case of the Atlantic Forest. <i>Biota Neotropica</i> , <b>2008</b> , 8, 21-29		58
125	Combustion completeness in a rainforest clearing experiment in Manaus, Brazil. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 13195-13199		57
124	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , <b>2015</b> , 21, 1295-1307	5	56
123	Allometric models for estimating above- and below-ground biomass in Amazonian forests at S <sup>o</sup> B Gabriel da Cachoeira in the upper Rio Negro, Brazil. <i>Forest Ecology and Management</i> , <b>2012</b> , 277, 163-172	3.9	56
122	Logging activity and tree regeneration in an Amazonian forest. <i>Forest Ecology and Management</i> , <b>1999</b> , 113, 67-74	3.9	54

121	Highly reactive light-dependent monoterpenes in the Amazon. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 1576-1583	4.9	52
120	Large-scale wind disturbances promote tree diversity in a Central Amazon forest. <i>PLoS ONE</i> , <b>2014</b> , 9, e103711	3.7	51
119	Dimethyl sulfide in the Amazon rain forest. <i>Global Biogeochemical Cycles</i> , <b>2015</b> , 29, 19-32	5.9	49
118	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , <b>2014</b> , 17, 527-36	10	48
117	Productivity of Tropical Rain Forests <b>2001</b> , 401-426		39
116	Detection of subpixel treefall gaps with Landsat imagery in Central Amazon forests. <i>Remote Sensing of Environment</i> , <b>2011</b> , 115, 3322-3328	13.2	38
115	Influence of landscape heterogeneity on spatial patterns of wood productivity, wood specific density and above ground biomass in Amazonia. <i>Biogeosciences</i> , <b>2009</b> , 6, 1883-1902	4.6	37
114	A tropical rainforest clearing experiment by biomass burning in the state of Par� Brazil. <i>Atmospheric Environment</i> , <b>1999</b> , 33, 1991-1998	5.3	36
113	Hyperspectral remote detection of niche partitioning among canopy trees driven by blowdown gap disturbances in the Central Amazon. <i>Oecologia</i> , <b>2009</b> , 160, 107-17	2.9	33
112	A revised hydrological model for the Central Amazon: The importance of emergent canopy trees in the forest water budget. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 239, 47-57	5.8	32
111	Dynamic balancing of isoprene carbon sources reflects photosynthetic and photorespiratory responses to temperature stress. <i>Plant Physiology</i> , <b>2014</b> , 166, 2051-64	6.6	32
110	Lack of intermediate-scale disturbance data prevents robust extrapolation of plot-level tree mortality rates for old-growth tropical forests. <i>Ecology Letters</i> , <b>2009</b> , 12, E22-E25	10	32
109	Monoterpene thermometer of tropical forest-atmosphere response to climate warming. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 441-452	8.4	31
108	Height-diameter allometry of tropical forest trees		31
107	Higher tree transpiration due to road-associated edge effects in a tropical moist lowland forest. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 213, 183-192	5.8	30
106	Tree height integrated into pan-tropical forest biomass estimates		30
105	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. <i>Scientific Data</i> , <b>2019</b> , 6, 198	8.2	29
104	Spatial trends in leaf size of Amazonian rainforest trees. <i>Biogeosciences</i> , <b>2009</b> , 6, 1563-1576	4.6	29

103	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	29
102	Vulnerability of Amazon forests to storm-driven tree mortality. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 054021	6.2	27
101	Green Leaf Volatile Emissions during High Temperature and Drought Stress in a Central Amazon Rainforest. <i>Plants</i> , <b>2015</b> , 4, 678-90	4.5	27
100	Nitrogen availability patterns in white-sand vegetations of Central Brazilian Amazon. <i>Trees - Structure and Function</i> , <b>2009</b> , 23, 479-488	2.6	26
99	Revealing the causes and temporal distribution of tree mortality in Central Amazonia. <i>Forest Ecology and Management</i> , <b>2018</b> , 424, 177-183	3.9	25
98	Windthrows control biomass patterns and functional composition of Amazon forests. <i>Global Change Biology</i> , <b>2018</b> , 24, 5867-5881	11.4	25
97	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , <b>2020</b> , 11, 5515	17.4	24
96	Dry and hot: the hydraulic consequences of a climate change-type drought for Amazonian trees. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	23
95	Mechanical vulnerability and resistance to snapping and uprooting for Central Amazon tree species. <i>Forest Ecology and Management</i> , <b>2016</b> , 380, 1-10	3.9	22
94	Seasonal variations in the stable oxygen isotope ratio of wood cellulose reveal annual rings of trees in a Central Amazon terra firme forest. <i>Oecologia</i> , <b>2016</b> , 180, 685-96	2.9	22
93	DINÂMICA E BALANÇO DO CARBONO DA VEGETAÇÃO PRIMÁRIA DA AMAZÔNIA CENTRAL. <i>Floresta</i> , <b>2004</b> , 34,	0.6	21
92	Methanol and isoprene emissions from the fast growing tropical pioneer species <i>Vismia guianensis</i> (Aubl.) Pers. (Hypericaceae) in the central Amazon forest. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 6441-6452	6.8	20
91	Are compound leaves an adaptation to seasonal drought or to rapid growth? Evidence from the Amazon rain forest. <i>Global Ecology and Biogeography</i> , <b>2010</b> , 19, 852-862	6.1	20
90	Spatial distribution and functional significance of leaf lamina shape in Amazonian forest trees. <i>Biogeosciences</i> , <b>2009</b> , 6, 1577-1590	4.6	20
89	Projeto de dinâmica da floresta natural de Terra-firme, região de Manaus-AM, com o uso da cadeia de transição probabilística de Markov. <i>Acta Amazonica</i> , <b>2007</b> , 37, 377-384	0.8	19
88	Logging On in the Rain Forests <b>1998</b> , 281, 1453b-1453		19
87	Mapping landscape scale variations of forest structure, biomass, and productivity in Amazonia		19
86	Impacts of soil compaction persist 30 years after logging operations in the Amazon Basin. <i>Soil and Tillage Research</i> , <b>2019</b> , 189, 207-216	6.5	18

85	Forest response to increased disturbance in the central Amazon and comparison to western Amazonian forests. <i>Biogeosciences</i> , <b>2014</b> , 11, 5773-5794	4.6	18
84	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 1754-1761	12.3	17
83	Changes in Amazonian Forest Biomass, Dynamics, and Composition, 1980-2002. <i>Geophysical Monograph Series</i> , <b>2009</b> , 355-372	1.1	15
82	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , <b>2021</b> , 260, 108849	6.2	15
81	Critical wind speeds suggest wind could be an important disturbance agent in Amazonian forests. <i>Forestry</i> , <b>2019</b> , 92, 444-459	2.2	14
80	Windthrow Variability in Central Amazonia. <i>Atmosphere</i> , <b>2017</b> , 8, 28	2.7	14
79	Recognizing Amazonian tree species in the field using bark tissues spectra. <i>Forest Ecology and Management</i> , <b>2018</b> , 427, 296-304	3.9	14
78	Análise da estrutura e do estoque de fitomassa de uma floresta secundária da região de Manaus AM, dez anos após o corte raso seguido de fogo. <i>Acta Amazonica</i> , <b>2007</b> , 37, 49-53	0.8	14
77	Convergent evolution of tree hydraulic traits in Amazonian habitats: implications for community assemblage and vulnerability to drought. <i>New Phytologist</i> , <b>2020</b> , 228, 106-120	9.8	14
76	Dynamics of Tropical Forest Twenty-Five Years after Experimental Logging in Central Amazon Mature Forest. <i>Forests</i> , <b>2019</b> , 10, 89	2.8	13
75	Bacia 3 - Inventário Florestal Comercial. <i>Acta Amazonica</i> , <b>1985</b> , 15, 327-370	0.8	13
74	Predicting biomass of hyperdiverse and structurally complex central Amazonian forests: a virtual approach using extensive field data. <i>Biogeosciences</i> , <b>2016</b> , 13, 1553-1570	4.6	13
73	Illegal Selective Logging and Forest Fires in the Northern Brazilian Amazon. <i>Forests</i> , <b>2019</b> , 10, 61	2.8	13
72	Long-term effect of selective logging on floristic composition: A 25 year experiment in the Brazilian Amazon. <i>Forest Ecology and Management</i> , <b>2019</b> , 440, 258-266	3.9	12
71	The Central Amazon Biomass Sink Under Current and Future Atmospheric CO2: Predictions From Big-Leaf and Demographic Vegetation Models. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2019JG005500	3.7	12
70	Integration of C <sub>3</sub> and C <sub>4</sub> Metabolism in Trees. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	12
69	DO PALM WATER USE CHARACTERISTICS EXPLAIN THE SPATIAL DISTRIBUTION OF PALMS IN THE CENTRAL AMAZON?. <i>Acta Horticulturae</i> , <b>2013</b> , 197-204	0.3	12
68	Ecosystem Carbon Fluxes and Amazonian Forest Metabolism. <i>Geophysical Monograph Series</i> , <b>2009</b> , 373-387		12

67	The effects of selective logging on the lizards <i>Kentropyx calcarata</i> , <i>Ameiva ameiva</i> and <i>Mabuya nigropunctata</i> . <i>Amphibia - Reptilia</i> , <b>2001</b> , 22, 209-216	1.2	12
66	Effect of selective logging intensity on two termite species of the genus <i>Syntermes</i> in Central Amazonia. <i>Forest Ecology and Management</i> , <b>2000</b> , 137, 151-154	3.9	12
65	Allometric Equations for Estimating Biomass of <i>Euterpe precatoria</i> , the Most Abundant Palm Species in the Amazon. <i>Forests</i> , <b>2015</b> , 6, 450-463	2.8	11
64	Tropical forest carbon balance: effects of field- and satellite-based mortality regimes on the dynamics and the spatial structure of Central Amazon forest biomass. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 034010	6.2	11
63	Ecological applications of differences in the hydraulic efficiency of palms and broad-leaved trees. <i>Trees - Structure and Function</i> , <b>2015</b> , 29, 1431-1445	2.6	10
62	Leaf isoprene and monoterpene emission distribution across hyperdominant tree genera in the Amazon basin. <i>Phytochemistry</i> , <b>2020</b> , 175, 112366	4	10
61	Using radiocarbon-calibrated dendrochronology to improve tree-cutting cycle estimates for timber management in southern Amazon forests. <i>Trees - Structure and Function</i> , <b>2018</b> , 32, 587-602	2.6	10
60	Bacia 3- Invent�rio diagn�stico da regenera�o natural (*). <i>Acta Amazonica</i> , <b>1985</b> , 15, 199-234	0.8	10
59	Natural recovery of skid trails: a review. <i>Canadian Journal of Forest Research</i> , <b>2021</b> , 51, 948-961	1.9	10
58	Windthrows increase soil carbon stocks in a central Amazon forest. <i>Biogeosciences</i> , <b>2016</b> , 13, 1299-1308	4.6	10
57	Allometry for Juvenile Trees in an Amazonian Forest after Wind Disturbance. <i>Japan Agricultural Research Quarterly</i> , <b>2014</b> , 48, 213-219	0.5	9
56	Examination of Vertical Distribution of Fine Root Biomass in a Tropical Moist Forest of the Central Amazon, Brazil. <i>Japan Agricultural Research Quarterly</i> , <b>2014</b> , 48, 231-235	0.5	9
55	A new 500-m resolution map of canopy height for Amazon forest using spaceborne LiDAR and cloud-free MODIS imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2015</b> , 43, 92-101	7.3	8
54	Stimulation of isoprene emissions and electron transport rates as key mechanisms of thermal tolerance in the tropical species <i>Vismia guianensis</i> . <i>Global Change Biology</i> , <b>2020</b> , 26, 5928-5941	11.4	8
53	Recent Changes in Amazon Forest Biomass and Dynamics. <i>Ecological Studies</i> , <b>2016</b> , 191-224	1.1	8
52	Living on borrowed time - Amazonian trees use decade-old storage carbon to survive for months after complete stem girdling. <i>New Phytologist</i> , <b>2018</b> , 220, 111-120	9.8	8
51	Species-Specific Shifts in Diurnal Sap Velocity Dynamics and Hysteretic Behavior of Ecophysiological Variables During the 2015-2016 El Ni�o Event in the Amazon Forest. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 830	6.2	8
50	Variation in nitrogen use strategies and photosynthetic pathways among vascular epiphytes in the Brazilian Central Amazon. <i>Revista Brasileira De Botanica</i> , <b>2011</b> , 34, 21-30	1.2	8



49	Resource availability and disturbance shape maximum tree height across the Amazon. <i>Global Change Biology</i> , <b>2021</b> , 27, 177-189	11.4	8
48	Volatile monoterpene fingerprints of resinous Protium tree species in the Amazon rainforest. <i>Phytochemistry</i> , <b>2019</b> , 160, 61-70	4	7
47	Below versus above Ground Plant Sources of Abscisic Acid (ABA) at the Heart of Tropical Forest Response to Warming. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	7
46	Modeling Potential Impacts of Planting Palms or Tree in Small Holder Fruit Plantations on Ecohydrological Processes in the Central Amazon. <i>Forests</i> , <b>2015</b> , 6, 2530-2544	2.8	7
45	A FLORESTA AMAZÔNICA E A ÁGUA DA CHUVA. <i>Floresta</i> , <b>2011</b> , 41,	0.6	7
44	Tamanho de parcela amostral para inventários florestais .. <i>Acta Amazonica</i> , <b>1982</b> , 12, 91-103	0.8	7
43	Do species traits determine patterns of wood production in Amazonian forests?		7
42	INFLUÊNCIA DO TAMANHO DA PARCELA NA PRECISÃO DA FUNÇÃO DE DISTRIBUIÇÃO DIAMÉTRICA DE WEIBULL NA FLORESTA PRIMÁRIA DA AMAZÔNIA CENTRAL. <i>Floresta</i> , <b>2012</b> , 42, 599	0.6	6
41	Significance of Topographic Gradient in Stem Diameter - Height Allometry for Precise Biomass Estimation of a Tropical Moist Forest in the Central Amazon. <i>Japan Agricultural Research Quarterly</i> , <b>2013</b> , 47, 109-114	0.5	6
40	Incremento, ingresso e mortalidade em uma floresta de contato ombrófila aberta/estacional em Maracá, Estado do Mato Grosso. <i>Acta Amazonica</i> , <b>2010</b> , 40, 549-555	0.8	6
39	TABELAS DE VOLUME PARA A FLORESTA DE TERRA FIRME DA ESTAÇÃO EXPERIMENTAL DE SILVICULTURA TROPICAL. <i>Acta Amazonica</i> , <b>1983</b> , 13, 537-545	0.8	6
38	Uso de banda dendrométrica na definição de padrões de crescimento individual em diâmetros de árvores da bacia do rio Cuieiras. <i>Acta Amazonica</i> , <b>2003</b> , 33, 67-84	0.8	6
37	Produtividade de quatro espécies arbóreas de Terra Firme da Amazônia Central. <i>Acta Amazonica</i> , <b>2009</b> , 39, 105-112	0.8	6
36	The stable carbon and nitrogen isotopic composition of vegetation in tropical forests of the Amazon Basin, Brazil <b>2006</b> , 251-274		6
35	Litter and soil biogeochemical parameters as indicators of sustainable logging in Central Amazonia. <i>Science of the Total Environment</i> , <b>2020</b> , 714, 136780	10.2	5
34	Tree Climbing Techniques and Volume Equations for Eschweilera (Matá) a Hyperdominant Genus in the Amazon Forest. <i>Forests</i> , <b>2017</b> , 8, 154	2.8	5
33	Regeneration of five commercially-valuable tree species after experimental logging in an Amazonian forest. <i>Revista Arvore</i> , <b>2002</b> , 26, 567-571	1	5
32	Modelagem do rendimento no desdobro de toras de Manilkara spp. (Sapotaceae) em serraria do estado de Roraima, Brasil. <i>Scientia Forestalis/Forest Sciences</i> , <b>2016</b> , 44,	1.1	5

31	Windthrows increase soil carbon stocks in a Central Amazon forest		5
30	Branch xylem density variations across Amazonia		5
29	Spatial trends in leaf size of Amazonian rainforest trees		5
28	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 757-767	12.3	5
27	Relevance of wood anatomy and size of Amazonian trees in the determination and allometry of sapwood area. <i>Acta Amazonica</i> , <b>2019</b> , 49, 1-10	0.8	4
26	Blowdown disturbance effect on the density, richness and species composition of the seed bank in Central Amazonia. <i>Forest Ecology and Management</i> , <b>2019</b> , 453, 117633	3.9	4
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23	Spatial distribution and functional significance of leaf lamina shape in Amazonian forest trees		4
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21	Calibration, measurement, and characterization of soil moisture dynamics in a central Amazonian tropical forest. <i>Vadose Zone Journal</i> , <b>2020</b> , 19, e20070	2.7	4
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19	Forest response to increased disturbance in the Central Amazon and comparison to Western Amazonian forests		3
18	Influence of landscape heterogeneity on spatial patterns of wood productivity, wood specific density and above ground biomass in Amazonia		3
17	An Assessment of Soil Compaction after Logging Operations in Central Amazonia. <i>Forest Science</i> , <b>2020</b> , 66, 230-241	1.4	3
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1	Qualifying the Information Detected from Airborne Laser Scanning to Support Tropical Forest Management Operational Planning. <i>Forests</i> , <b>2021</b> , 12, 1724	2.8	0