Niro Higuchi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Dry Season Transpiration and Soil Water Dynamics in the Central Amazon.. *Frontiers in Plant Science* , **2022**, 13, 825097	6.2	1
173	Impacts to soil properties still evident 27´ years after abandonment in Amazonian log landings. *Forest Ecology and Management*, **2022**, 510, 120105	3.9	3
172	Effects of sustainable forest management on tree diversity, timber volumes, and carbon stocks in an ecotone forest in the northern Brazilian Amazon. *Land Use Policy*, **2022**, 119, 106145	5.6	2
171	Spatial distribution of six managed tree species is influenced by topography conditions in the Central Amazon. *Journal of Environmental Management*, **2021**, 281, 111835	7.9	2
170	Amazon tree dominance across forest strata. *Nature Ecology and Evolution*, **2021**, 5, 757-767	12.3	5
169	Natural recovery of skid trails: a review. *Canadian Journal of Forest Research*, **2021**, 51, 948-961	1.9	10
168	Resource availability and disturbance shape maximum tree height across the Amazon. *Global Change Biology*, **2021**, 27, 177-189	11.4	8
167	Partitioning of Environmental and Taxonomic Controls on Brazilian Foliar Content of Carbon and Nitrogen and Stable Isotopes. *Frontiers in Forests and Global Change*, **2021**, 4,	3.7	1
166	Taking the pulse of Earthß tropical forests using networks of highly distributed plots. *Biological Conservation*, **2021**, 260, 108849	6.2	15
165	Qualifying the Information Detected from Airborne Laser Scanning to Support Tropical Forest Management Operational Planning. *Forests*, **2021**, 12, 1724	2.8	0
164	Long-term thermal sensitivity of Earthß tropical forests. *Science*, **2020**, 368, 869-874	33.3	92
163	Stimulation of isoprene emissions and electron transport rates as key mechanisms of thermal tolerance in the tropical species Vismia guianensis. *Global Change Biology*, **2020**, 26, 5928-5941	11.4	8
162	The Central Amazon Biomass Sink Under Current and Future Atmospheric CO2: Predictions From Big-Leaf and Demographic Vegetation Models. *Journal of Geophysical Research G: Biogeosciences*, **2020**, 125, e2019JG005500	3.7	12
161	Litter and soil biogeochemical parameters as indicators of sustainable logging in Central Amazonia. *Science of the Total Environment*, **2020**, 714, 136780	10.2	5
160	Leaf isoprene and monoterpene emission distribution across hyperdominant tree genera in the Amazon basin. *Phytochemistry*, **2020**, 175, 112366	4	10
159	Convergent evolution of tree hydraulic traits in Amazonian habitats: implications for community assemblage and vulnerability to drought. *New Phytologist*, **2020**, 228, 106-120	9.8	14
158	Estimating Amazon carbon stock using AI-based remote sensing. *Communications of the ACM*, **2020**, 63, 46-48	2.5	0

157	An Assessment of Soil Compaction after Logging Operations in Central Amazonia. *Forest Science*, **2020**, 66, 230-241	1.4	3
156	Calibration, measurement, and characterization of soil moisture dynamics in a central Amazonian tropical forest. *Vadose Zone Journal*, **2020**, 19, e20070	2.7	4
155	Tree mode of death and mortality risk factors across Amazon forests. *Nature Communications*, **2020**, 11, 5515	17.4	24
154	Relevance of wood anatomy and size of Amazonian trees in the determination and allometry of sapwood area. *Acta Amazonica*, **2019**, 49, 1-10	0.8	4
153	Critical wind speeds suggest wind could be an important disturbance agent in Amazonian forests. *Forestry*, **2019**, 92, 444-459	2.2	14
152	Long-term effect of selective logging on floristic composition: A 25 year experiment in the Brazilian Amazon. *Forest Ecology and Management*, **2019**, 440, 258-266	3.9	12
151	Volatile monoterpene fingerprints of resinous Protium tree species in the Amazon rainforest. *Phytochemistry*, **2019**, 160, 61-70	4	7
150	Dynamics of Tropical Forest Twenty-Five Years after Experimental Logging in Central Amazon Mature Forest. *Forests*, **2019**, 10, 89	2.8	13
149	Impacts of soil compaction persist 30 years after logging operations in the Amazon Basin. *Soil and Tillage Research*, **2019**, 189, 207-216	6.5	18
148	Species-Specific Shifts in Diurnal Sap Velocity Dynamics and Hysteretic Behavior of Ecophysiological Variables During the 2015-2016 El Niˆ o Event in the Amazon Forest. *Frontiers in Plant Science*, **2019**, 10, 830	6.2	8
147	The Forest Observation System, building a global reference dataset for remote sensing of forest biomass. *Scientific Data*, **2019**, 6, 198	8.2	29
146	Evolutionary diversity is associated with wood productivity in Amazonian forests. *Nature Ecology and Evolution*, **2019**, 3, 1754-1761	12.3	17
145	Blowdown disturbance effect on the density, richness and species composition of the seed bank in Central Amazonia. *Forest Ecology and Management*, **2019**, 453, 117633	3.9	4
144	Compositional response of Amazon forests to climate change. *Global Change Biology*, **2019**, 25, 39-56	11.4	158
143	Illegal Selective Logging and Forest Fires in the Northern Brazilian Amazon. *Forests*, **2019**, 10, 61	2.8	13
142	Vulnerability of Amazon forests to storm-driven tree mortality. *Environmental Research Letters*, **2018**, 13, 054021	6.2	27
141	Using radiocarbon-calibrated dendrochronology to improve tree-cutting cycle estimates for timber management in southern Amazon forests. *Trees - Structure and Function*, **2018**, 32, 587-602	2.6	10
140	Revealing the causes and temporal distribution of tree mortality in Central Amazonia. *Forest Ecology and Management*, **2018**, 424, 177-183	3.9	25

139	Living on borrowed time - Amazonian trees use decade-old storage carbon to survive for months after complete stem girdling. *New Phytologist*, **2018**, 220, 111-120	9.8	8
138	Below versus above Ground Plant Sources of Abscisic Acid (ABA) at the Heart of Tropical Forest Response to Warming. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	7
137	Recognizing Amazonian tree species in the field using bark tissues spectra. *Forest Ecology and Management*, **2018**, 427, 296-304	3.9	14
136	Recovery of above-ground tree biomass after moderate selective logging in a central Amazonian forest. *IForest*, **2018**, 11, 352-359	1.3	4
135	Allometric equations for total, above- and below-ground biomass and carbon of the Amazonian forest type known as campinarana. *Acta Amazonica*, **2018**, 48, 85-92	0.8	1
134	Dry and hot: the hydraulic consequences of a climate change-type drought for Amazonian trees. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	23
133	Windthrows control biomass patterns and functional composition of Amazon forests. *Global Change Biology*, **2018**, 24, 5867-5881	11.4	25
132	A revised hydrological model for the Central Amazon: The importance of emergent canopy trees in the forest water budget. *Agricultural and Forest Meteorology*, **2017**, 239, 47-57	5.8	32
131	Monoterpene Rhermometerof tropical forest-atmosphere response to climate warming. *Plant, Cell and Environment*, **2017**, 40, 441-452	8.4	31
130	Windthrow Variability in Central Amazonia. *Atmosphere*, **2017**, 8, 28	2.7	14
129	Does soil pyrogenic carbon determine plant functional traits in Amazon Basin forests?. *Plant Ecology*, **2017**, 218, 1047-1062	1.7	2
128	Integration of Câand CâMetabolism in Trees. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	12
127	Tree Climbing Techniques and Volume Equations for Eschweilera (Matˆ Matˆ), a Hyperdominant Genus in the Amazon Forest. *Forests*, **2017**, 8, 154	2.8	5
126	Methanol and Isoprene Emissions from the Fast Growing Tropical Pioneer Species <i>Vismia guianensis</i> (Aubl.) Pers. (Hypericaceae) in the central Amazon Forest **2016**,		1
125	Mechanical vulnerability and resistance to snapping and uprooting for Central Amazon tree species. *Forest Ecology and Management*, **2016**, 380, 1-10	3.9	22
124	Recent Changes in Amazon Forest Biomass and Dynamics. *Ecological Studies*, **2016**, 191-224	1.1	8
123	Overview of Forest Carbon Stocks Study in Amazonas State, Brazil. *Ecological Studies*, **2016**, 171-187	1.1	3
122	Methanol and isoprene emissions from the fast growing tropical pioneer species <i>Vismia guianensis</i> (Aubl.) Pers. (Hypericaceae) in the central Amazon forest. *Atmospheric Chemistry and Physics*, **2016**, 16, 6441-6452	6.8	20

121	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
120	Seasonal variations in the stable oxygen isotope ratio of wood cellulose reveal annual rings of trees in a Central Amazon terra firme forest. *Oecologia*, **2016**, 180, 685-96	2.9	22
119	Modelagem do rendimento no desdobro de toras de Manilkara spp. (Sapotaceae) em serraria do estado de Roraima, Brasil. *Scientia Forestalis/Forest Sciences*, **2016**, 44,	1.1	5
118	Relaˆ □□ da produˆ □□ de serapilheira com incremento em diˆ metro de uma floresta madura na Amazˆ ia Central. *Scientia Forestalis/Forest Sciences*, **2016**, 44,	1.1	2
117	Changes in Forest Structure and Biomass over Ten Years in a Lowland Amazonian Forest. *Japan Agricultural Research Quarterly*, **2016**, 50, 379-386	0.5	2
116	Windthrows increase soil carbon stocks in a central Amazon forest. *Biogeosciences*, **2016**, 13, 1299-1308	4.6	10
115	Predicting biomass of hyperdiverse and structurally complex central Amazonian forests â virtual approach using extensive field data. *Biogeosciences*, **2016**, 13, 1553-1570	4.6	13
114	Evolutionary heritage influences Amazon tree ecology. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	29
113	Higher tree transpiration due to road-associated edge effects in a tropical moist lowland forest. *Agricultural and Forest Meteorology*, **2015**, 213, 183-192	5.8	30
112	A new 500-m resolution map of canopy height for Amazon forest using spaceborne LiDAR and cloud-free MODIS imagery. *International Journal of Applied Earth Observation and Geoinformation*, **2015**, 43, 92-101	7.3	8
111	Long-term decline of the Amazon carbon sink. *Nature*, **2015**, 519, 344-8	50.4	583
110	Ecological applications of differences in the hydraulic efficiency of palms and broad-leaved trees. *Trees - Structure and Function*, **2015**, 29, 1431-1445	2.6	10
109	Phylogenetic diversity of Amazonian tree communities. *Diversity and Distributions*, **2015**, 21, 1295-1307	5	56
108	Dimethyl sulfide in the Amazon rain forest. *Global Biogeochemical Cycles*, **2015**, 29, 19-32	5.9	49
107	Modeling Potential Impacts of Planting Palms or Tree in Small Holder Fruit Plantations on Ecohydrological Processes in the Central Amazon. *Forests*, **2015**, 6, 2530-2544	2.8	7
106	Green Leaf Volatile Emissions during High Temperature and Drought Stress in a Central Amazon Rainforest. *Plants*, **2015**, 4, 678-90	4.5	27
105	Allometric Equations for Estimating Biomass of Euterpe precatoria, the Most Abundant Palm Species in the Amazon. *Forests*, **2015**, 6, 450-463	2.8	11
104	Highly reactive light-dependent monoterpenes in the Amazon. *Geophysical Research Letters*, **2015**, 42, 1576-1583	4.9	52

103	Fast demographic traits promote high diversification rates of Amazonian trees. *Ecology Letters*, **2014**, 17, 527-36	10	48
102	A growth and yield projection system for a tropical rainforest in the Central Amazon, Brazil. *Forest Ecology and Management*, **2014**, 327, 201-208	3.9	1
101	Forest response to increased disturbance in the central Amazon and comparison to western Amazonian forests. *Biogeosciences*, **2014**, 11, 5773-5794	4.6	18
100	Allometry for Juvenile Trees in an Amazonian Forest after Wind Disturbance. *Japan Agricultural Research Quarterly*, **2014**, 48, 213-219	0.5	9
99	Examination of Vertical Distribution of Fine Root Biomass in a Tropical Moist Forest of the Central Amazon, Brazil. *Japan Agricultural Research Quarterly*, **2014**, 48, 231-235	0.5	9
98	Dynamic balancing of isoprene carbon sources reflects photosynthetic and photorespiratory responses to temperature stress. *Plant Physiology*, **2014**, 166, 2051-64	6.6	32
97	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. *Global Ecology and Biogeography*, **2014**, 23, 935-946	6.1	205
96	Tropical forest carbon balance: effects of field- and satellite-based mortality regimes on the dynamics and the spatial structure of Central Amazon forest biomass. *Environmental Research Letters*, **2014**, 9, 034010	6.2	11
95	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1). *Geoscientific Model Development*, **2014**, 7, 1251-1269	6.3	72
94	Large-scale wind disturbances promote tree diversity in a Central Amazon forest. *PLoS ONE*, **2014**, 9, e103711	3.7	51
93	Fine root biomass in a tropical moist forest in the upper Negro River basin, Brazilian Amazon. *Tropics*, **2014**, 22, 179-183	0.9	1
92	Species Spectral Signature: Discriminating closely related plant species in the Amazon with Near-Infrared Leaf-Spectroscopy. *Forest Ecology and Management*, **2013**, 291, 240-248	3.9	69
91	The steady-state mosaic of disturbance and succession across an old-growth Central Amazon forest landscape. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 3949-54	11.5	148
90	DO PALM WATER USE CHARACTERISTICS EXPLAIN THE SPATIAL DISTRIBUTION OF PALMS IN THE CENTRAL AMAZON?. *Acta Horticulturae*, **2013**, 197-204	0.3	12
89	Significance of Topographic Gradient in Stem Diameter - Height Allometry for Precise Biomass Estimation of a Tropical Moist Forest in the Central Amazon. *Japan Agricultural Research Quarterly*, **2013**, 47, 109-114	0.5	6
88	What controls tropical forest architecture? Testing environmental, structural and floristic drivers. *Global Ecology and Biogeography*, **2012**, 21, 1179-1190	6.1	158
87	Amazon forest carbon dynamics predicted by profiles of canopy leaf area and light environment. *Ecology Letters*, **2012**, 15, 1406-14	10	132
86	Allometric models for estimating above- and below-ground biomass in Amazonian forests at Sˆ õ Gabriel da Cachoeira in the upper Rio Negro, Brazil. *Forest Ecology and Management*, **2012**, 277, 163-172	3.9	56

85	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. *Biogeosciences*, **2012**, 9, 2203-2246	4.6	387
84	INFLUˆ NCIA DO TAMANHO DA PARCELA NA PRECISˆ O DA FUNˆ O DE DISTRIBUIˆ O DIAMˆ TRICA DE WEIBULL NA FLORESTA PRIMˆ RIA DA AMAZˆ NIA CENTRAL. *Floresta*, **2012**, 42, 599	0.6	6
83	Tree height integrated into pantropical forest biomass estimates. *Biogeosciences*, **2012**, 9, 3381-3403	4.6	289
82	Caracterizaˆ o das madeiras denominadas de pau-de-escora comercializadas na cidade de Manaus, Amazonas. *Cerne*, **2012**, 18, 557-563	0.7	1
81	Detection of subpixel treefall gaps with Landsat imagery in Central Amazon forests. *Remote Sensing of Environment*, **2011**, 115, 3322-3328	13.2	38
80	Variation in nitrogen use strategies and photosynthetic pathways among vascular epiphytes in the Brazilian Central Amazon. *Revista Brasileira De Botanica*, **2011**, 34, 21-30	1.2	8
79	A FLORESTA AMAZˆ NICA E A ˆ GUA DA CHUVA. *Floresta*, **2011**, 41,	0.6	7
78	Height-diameter allometry of tropical forest trees. *Biogeosciences*, **2011**, 8, 1081-1106	4.6	311
77	Variations in Amazon forest productivity correlated with foliar nutrients and modelled rates of photosynthetic carbon supply. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 3316-29	5.8	61
76	Drought-mortality relationships for tropical forests. *New Phytologist*, **2010**, 187, 631-46	9.8	400
75	Are compound leaves an adaptation to seasonal drought or to rapid growth? Evidence from the Amazon rain forest. *Global Ecology and Biogeography*, **2010**, 19, 852-862	6.1	20
74	Incremento, ingresso e mortalidade em uma floresta de contato ombrˆ fila aberta/estacional em Marcelˆ ndia, Estado do Mato Grosso. *Acta Amazonica*, **2010**, 40, 549-555	0.8	6
73	Widespread Amazon forest tree mortality from a single cross-basin squall line event. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	92
72	Spatial distribution and functional significance of leaf lamina shape in Amazonian forest trees. *Biogeosciences*, **2009**, 6, 1577-1590	4.6	20
71	Spatial trends in leaf size of Amazonian rainforest trees. *Biogeosciences*, **2009**, 6, 1563-1576	4.6	29
70	Branch xylem density variations across the Amazon Basin. *Biogeosciences*, **2009**, 6, 545-568	4.6	73
69	Do species traits determine patterns of wood production in Amazonian forests?. *Biogeosciences*, **2009**, 6, 297-307	4.6	72
68	Influence of landscape heterogeneity on spatial patterns of wood productivity, wood specific density and above ground biomass in Amazonia. *Biogeosciences*, **2009**, 6, 1883-1902	4.6	37

67	Ecosystem Carbon Fluxes and Amazonian Forest Metabolism. *Geophysical Monograph Series*, **2009**, 373-387	11	12
66	Hyperspectral remote detection of niche partitioning among canopy trees driven by blowdown gap disturbances in the Central Amazon. *Oecologia*, **2009**, 160, 107-17	2.9	33
65	Nitrogen availability patterns in white-sand vegetations of Central Brazilian Amazon. *Trees - Structure and Function*, **2009**, 23, 479-488	2.6	26
64	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. *Global Change Biology*, **2009**, 15, 2418-2430	11.4	70
63	Lack of intermediate-scale disturbance data prevents robust extrapolation of plot-level tree mortality rates for old-growth tropical forests. *Ecology Letters*, **2009**, 12, E22-E25	10	32
62	Drought sensitivity of the Amazon rainforest. *Science*, **2009**, 323, 1344-7	33.3	1213
61	Changes in Amazonian Forest Biomass, Dynamics, and Composition, 1980â2002. *Geophysical Monograph Series*, **2009**, 355-372	1.1	15
60	Produtividade de quatro espˆ cies arbˆ reas de Terra Firme da Amazˆ nia Central. *Acta Amazonica*, **2009**, 39, 105-112	0.8	6
59	The changing Amazon forest. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2008**, 363, 1819-27	5.8	168
58	Estimation of biomass and carbon stocks: the case of the Atlantic Forest. *Biota Neotropica*, **2008**, 8, 21-29		58
57	Understanding the Influences of Spatial Patterns on N Availability Within the Brazilian Amazon Forest. *Ecosystems*, **2008**, 11, 1234-1246	3.9	59
56	Projeˆ o da dinˆ mica da floresta natural de Terra-firme, regiˆ o de Manaus-AM, com o uso da cadeia de transiˆ o probabilˆ stica de Markov. *Acta Amazonica*, **2007**, 37, 377-384	0.8	19
55	Anˆ lise da estrutura e do estoque de fitomassa de uma floresta secundˆ ria da regiˆ o de Manaus AM, dez anos apˆ s corte raso seguido de fogo. *Acta Amazonica*, **2007**, 37, 49-53	0.8	14
54	Variation in aboveground tree live biomass in a central Amazonian Forest: Effects of soil and topography. *Forest Ecology and Management*, **2006**, 234, 85-96	3.9	236
53	The regional variation of aboveground live biomass in old-growth Amazonian forests. *Global Change Biology*, **2006**, 12, 1107-1138	11.4	424
52	The stable carbon and nitrogen isotopic composition of vegetation in tropical forests of the Amazon Basin, Brazil. *Biogeochemistry*, **2006**, 79, 251-274	3.8	117
51	The stable carbon and nitrogen isotopic composition of vegetation in tropical forests of the Amazon Basin, Brazil **2006**, 251-274		6
50	Tree allometry and improved estimation of carbon stocks and balance in tropical forests. *Oecologia*, **2005**, 145, 87-99	2.9	1855

49	Slow growth rates of Amazonian trees: consequences for carbon cycling. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 18502-7	11.5	118
48	DIN^ MICA E BALAN^ O DO CARBONO DA VEGETA^ O PRIM^ RIA DA AMAZ^ NIA CENTRAL. *Floresta*, **2004**, 34,	0.6	21
47	Increasing biomass in Amazonian forest plots. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2004**, 359, 353-65	5.8	347
46	RESPIRATION FROM A TROPICAL FOREST ECOSYSTEM: PARTITIONING OF SOURCES AND LOW CARBON USE EFFICIENCY **2004**, 14, 72-88		280
45	The above-ground coarse wood productivity of 104 Neotropical forest plots. *Global Change Biology*, **2004**, 10, 563-591	11.4	366
44	Tropical forest tree mortality, recruitment and turnover rates: calculation, interpretation and comparison when census intervals vary. *Journal of Ecology*, **2004**, 92, 929-944	6	137
43	Forest structure and carbon dynamics in Amazonian tropical rain forests. *Oecologia*, **2004**, 140, 468-79	2.9	140
42	Response of tree biomass and wood litter to disturbance in a Central Amazon forest. *Oecologia*, **2004**, 141, 596-611	2.9	102
41	Pattern and process in Amazon tree turnover, 1976-2001. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2004**, 359, 381-407	5.8	325
40	Concerted changes in tropical forest structure and dynamics: evidence from 50 South American long-term plots. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2004**, 359, 421-36	5.8	213
39	Influence of soil texture on carbon dynamics and storage potential in tropical forest soils of Amazonia. *Global Biogeochemical Cycles*, **2003**, 17, n/a-n/a	5.9	109
38	Uso de banda dendrom^ trica na defini^ O de padr^ Es de crescimento individual em di^ Ametro de ^ Evores da bacia do rio Cuieiras. *Acta Amazonica*, **2003**, 33, 67-84	0.8	6
37	Regeneration of five commercially-valuable tree species after experimental logging in an Amazonian forest. *Revista Arvore*, **2002**, 26, 567-571	1	5
36	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
35	CHANGES IN GROWTH OF TROPICAL FORESTS: EVALUATING POTENTIAL BIASES **2002**, 12, 576-587		123
34	Carbon isotope discrimination in forest and pasture ecosystems of the Amazon Basin, Brazil. *Global Biogeochemical Cycles*, **2002**, 16, 56-1-56-10	5.9	62
33	Diameter increment and growth patterns for individual tree growing in Central Amazon, Brazil. *Forest Ecology and Management*, **2002**, 166, 295-301	3.9	102
32	Carbon sink for a century. *Nature*, **2001**, 410, 429	50.4	98

31	The effects of selective logging on the lizards Kentropyx calcarata, Ameiva ameiva and Mabuya nigropunctata. *Amphibia - Reptilia*, **2001**, 22, 209-216	1.2	12
30	Tree damage, allometric relationships, and above-ground net primary production in central Amazon forest. *Forest Ecology and Management*, **2001**, 152, 73-84	3.9	300
29	Productivity of Tropical Rain Forests **2001**, 401-426		39
28	Decomposition and carbon cycling of dead trees in tropical forests of the central Amazon. *Oecologia*, **2000**, 122, 380-388	2.9	308
27	Effect of selective logging intensity on two termite species of the genus Syntermes in Central Amazonia. *Forest Ecology and Management*, **2000**, 137, 151-154	3.9	12
26	A tropical rainforest clearing experiment by biomass burning in the state of Parˆ Brazil. *Atmospheric Environment*, **1999**, 33, 1991-1998	5.3	36
25	Logging activity and tree regeneration in an Amazonian forest. *Forest Ecology and Management*, **1999**, 113, 67-74	3.9	54
24	Comparison of formulae for biomass content determination in a tropical rain forest site in the state of Parˆ Brazil. *Forest Ecology and Management*, **1999**, 117, 43-52	3.9	104
23	Ancient trees in Amazonia. *Nature*, **1998**, 391, 135-136	50.4	195
22	Changes in the carbon balance of tropical forests: evidence from long-term plots. *Science*, **1998**, 282, 439-42	33.3	592
21	Combustion completeness in a rainforest clearing experiment in Manaus, Brazil. *Journal of Geophysical Research*, **1998**, 103, 13195-13199		57
20	Biomassa da parte aˆ rea da vegetaˆ da Floresta Tropical ˆ hida de terra-firme da Amazˆ ia Brasileira. *Acta Amazonica*, **1998**, 28, 153-153	0.8	99
19	Logging On in the Rain Forests **1998**, 281, 1453b-1453		19
18	Bacia 3- Inventˆ io diagnˆ stico da regeneraˆ natural (*). *Acta Amazonica*, **1985**, 15, 199-234	0.8	10
17	Bacia 3 - Inventˆ io Florestal Comercial. *Acta Amazonica*, **1985**, 15, 327-370	0.8	13
16	TABELAS DE VOLUME PARA A FLORESTA DE TERRA FIRME DA ESTAˆ O EXPERIMENTAL DE SILVICULTURA TROPICAL. *Acta Amazonica*, **1983**, 13, 537-545	0.8	6
15	Tamanho de parcela amostral para inventˆ ios florestais .. *Acta Amazonica*, **1982**, 12, 91-103	0.8	7
14	Stem respiration and growth in a central Amazon rainforest. *Trees - Structure and Function*,1	2.6	0

List of Publications

13	Forest response to increased disturbance in the Central Amazon and comparison to Western Amazonian forests	3
12	Predicting biomass of hyperdiverse and structurally complex Central Amazon forests â a virtual approach using extensive field data	4
11	Windthrows increase soil carbon stocks in a Central Amazon forest	5
10	Branch xylem density variations across Amazonia	5
9	Do species traits determine patterns of wood production in Amazonian forests?	7
8	Spatial distribution and functional significance of leaf lamina shape in Amazonian forest trees	4
7	Influence of landscape heterogeneity on spatial patterns of wood productivity, wood specific density and above ground biomass in Amazonia	3
6	Spatial trends in leaf size of Amazonian rainforest trees	5
5	Regional and large-scale patterns in Amazon forest structure and function are mediated by variations in soil physical and chemical properties	93
4	Mapping landscape scale variations of forest structure, biomass, and productivity in Amazonia	19
3	Height-diameter allometry of tropical forest trees	31
2	Tree height integrated into pan-tropical forest biomass estimates	30
1	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1)	4