

# Michael Keller

## List of Publications by Year in descending order

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159  
papers

16,644  
citations

16451

64  
h-index

17592

121  
g-index

172  
all docs

172  
docs citations

172  
times ranked

14660  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Amazon basin in transition. <i>Nature</i> , 2012, 481, 321-328.	27.8	922
2	Selective Logging in the Brazilian Amazon. <i>Science</i> , 2005, 310, 480-482.	12.6	844
3	Testing a Conceptual Model of Soil Emissions of Nitrous and Nitric Oxides. <i>BioScience</i> , 2000, 50, 667.	4.9	743
4	Carbon in Amazon Forests: Unexpected Seasonal Fluxes and Disturbance-Induced Losses. <i>Science</i> , 2003, 302, 1554-1557.	12.6	625
5	Estimates of forest canopy height and aboveground biomass using ICESat. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	491
6	Forest fragmentation and edge effects from deforestation and selective logging in the Brazilian Amazon. <i>Biological Conservation</i> , 2008, 141, 1745-1757.	4.1	408
7	Height-diameter allometry of tropical forest trees. <i>Biogeosciences</i> , 2011, 8, 1081-1106.	3.3	396
8	Drivers and mechanisms of tree mortality in moist tropical forests. <i>New Phytologist</i> , 2018, 219, 851-869.	7.3	341
9	Soil-atmosphere exchange of nitrous oxide, nitric oxide, and methane under secondary succession of pasture to forest in the Atlantic lowlands of Costa Rica. <i>Global Biogeochemical Cycles</i> , 1994, 8, 399-409.	4.9	335
10	Effects of Soil Texture on Belowground Carbon and Nutrient Storage in a Lowland Amazonian Forest Ecosystem. <i>Ecosystems</i> , 2000, 3, 193-209.	3.4	318
11	Biodiversity Meets the Atmosphere: A Global View of Forest Canopies. <i>Science</i> , 2003, 301, 183-186.	12.6	295
12	Condition and fate of logged forests in the Brazilian Amazon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12947-12950.	7.1	286
13	Biomass estimation in the Tapajos National Forest, Brazil. <i>Forest Ecology and Management</i> , 2001, 154, 371-382.	3.2	280
14	Land use change and biogeochemical controls of nitrogen oxide emissions from soils in eastern Amazonia. <i>Global Biogeochemical Cycles</i> , 1999, 13, 31-46.	4.9	275
15	Emissions of N <sub>2</sub> O, CH <sub>4</sub> and CO <sub>2</sub> from tropical forest soils. <i>Journal of Geophysical Research</i> , 1986, 91, 11791-11802.	3.3	273
16	Tropical Rain Forest Conversion to Pasture: Changes in Vegetation and Soil Properties. , 1994, 4, 363-377.		266
17	CARBON BALANCE AND VEGETATION DYNAMICS IN AN OLD-GROWTH AMAZONIAN FOREST. , 2004, 14, 55-71.		251
18	A continental strategy for the National Ecological Observatory Network. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 282-284.	4.0	246

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19	Satellite-based modeling of gross primary production in a seasonally moist tropical evergreen forest. <i>Remote Sensing of Environment</i> , 2005, 94, 105-122.	11.0	242
20	Effect of pasture age on soil trace-gas emissions from a deforested area of Costa Rica. <i>Nature</i> , 1993, 365, 244-246.	27.8	233
21	Production of nitrous oxide and consumption of methane by forest soils. <i>Geophysical Research Letters</i> , 1983, 10, 1156-1159.	4.0	193
22	Methane emission by bubbling from Gatun Lake, Panama. <i>Journal of Geophysical Research</i> , 1994, 99, 8307.	3.3	189
23	NEON: the first continental-scale ecological observatory with airborne remote sensing of vegetation canopy biochemistry and structure. <i>Journal of Applied Remote Sensing</i> , 2010, 4, 043510.	1.3	185
24	Consumption of atmospheric methane in soils of central Panama: Effects of agricultural development. <i>Global Biogeochemical Cycles</i> , 1990, 4, 21-27.	4.9	184
25	N <sub>2</sub> O emissions from humid tropical agricultural soils: effects of soil moisture, texture and nitrogen availability. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1077-1093.	8.8	180
26	Remote sensing of selective logging in Amazonia. <i>Remote Sensing of Environment</i> , 2002, 80, 483-496.	11.0	180
27	Amazon forest carbon dynamics predicted by profiles of canopy leaf area and light environment. <i>Ecology Letters</i> , 2012, 15, 1406-1414.	6.4	180
28	Emission of NO and deposition of O <sub>3</sub> in a tropical forest system. <i>Journal of Geophysical Research</i> , 1988, 93, 1389-1395.	3.3	179
29	Detecting leaf phenology of seasonally moist tropical forests in South America with multi-temporal MODIS images. <i>Remote Sensing of Environment</i> , 2006, 103, 465-473.	11.0	179
30	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. <i>Nature Communications</i> , 2014, 5, 3434.	12.8	169
31	Fine root dynamics and trace gas fluxes in two lowland tropical forest soils. <i>Global Change Biology</i> , 2005, 11, 290-306.	9.5	165
32	Coordinated approaches to quantify long-term ecosystem dynamics in response to global change. <i>Global Change Biology</i> , 2011, 17, 843-854.	9.5	165
33	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.	9.5	165
34	CANOPY DAMAGE AND RECOVERY AFTER SELECTIVE LOGGING IN AMAZONIA: FIELD AND SATELLITE STUDIES. , 2004, 14, 280-298.		163
35	Forest canopy damage and recovery in reduced-impact and conventional selective logging in eastern Para, Brazil. <i>Forest Ecology and Management</i> , 2002, 168, 77-89.	3.2	159
36	Coarse woody debris in undisturbed and logged forests in the eastern Brazilian Amazon. <i>Global Change Biology</i> , 2004, 10, 784-795.	9.5	158

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37	Revised method for forest canopy height estimation from Geoscience Laser Altimeter System waveforms. <i>Journal of Applied Remote Sensing</i> , 2007, 1, 013537.	1.3	157
38	Tree height and tropical forest biomass estimation. <i>Biogeosciences</i> , 2013, 10, 8385-8399.	3.3	149
39	Nitrogen Oxide Fluxes and Nitrogen Cycling during Postagricultural Succession and Forest Fertilization in the Humid Tropics. <i>Ecosystems</i> , 2001, 4, 67-84.	3.4	141
40	Changes in global terrestrial live biomass over the 21st century. <i>Science Advances</i> , 2021, 7, eabe9829.	10.3	136
41	ECOLOGICAL RESEARCH IN THE LARGE-SCALE BIOSPHERE“ ATMOSPHERE EXPERIMENT IN AMAZONIA: EARLY RESULTS. , 2004, 14, 3-16.		130
42	Isotopic variability of N <sub>2</sub> O emissions from tropical forest soils. <i>Global Biogeochemical Cycles</i> , 2000, 14, 525-535.	4.9	124
43	Effects of pasture management on N <sub>2</sub> O and NO emissions from soils in the humid tropics of Costa Rica. <i>Global Biogeochemical Cycles</i> , 1998, 12, 71-79.	4.9	123
44	Emission of nitric oxide (NO) from tropical forest soils and exchange of NO between the forest canopy and atmospheric boundary layers. <i>Journal of Geophysical Research</i> , 1990, 95, 16755-16764.	3.3	122
45	Soil“ Atmosphere Exchange of Nitrous Oxide, Nitric Oxide, Methane, and Carbon Dioxide in Logged and Undisturbed Forest in the Tapajos National Forest, Brazil. <i>Earth Interactions</i> , 2005, 9, 1-28.	1.5	122
46	Reduced impact logging minimally alters tropical rainforest carbon and energy exchange. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19431-19435.	7.1	118
47	Spatial and temporal dynamics of forest canopy gaps following selective logging in the eastern Amazon. <i>Global Change Biology</i> , 2004, 10, 765-783.	9.5	114
48	Aboveground biomass variability across intact and degraded forests in the Brazilian Amazon. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1639-1660.	4.9	109
49	Fertilizer-induced nitric oxide emissions from agricultural soils. , 1997, 48, 69-77.		106
50	Methane and nitrous oxide fluxes in an acid Oxisol in western Puerto Rico: effects of tillage, liming and fertilization. <i>Soil Biology and Biochemistry</i> , 1998, 30, 2087-2098.	8.8	101
51	Estimating Canopy Structure in an Amazon Forest from Laser Range Finder and IKONOS Satellite Observations1. <i>Biotropica</i> , 2002, 34, 483-492.	1.6	100
52	Controls on isoprene emission from trees in a subtropical dry forest. <i>Plant, Cell and Environment</i> , 1997, 20, 569-578.	5.7	98
53	Amazon Forest Structure from IKONOS Satellite Data and the Automated Characterization of Forest Canopy Properties. <i>Biotropica</i> , 2008, 40, 141-150.	1.6	97
54	Post-drought decline of the Amazon carbon sink. <i>Nature Communications</i> , 2018, 9, 3172.	12.8	95

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55	Nitrogen oxide emissions from a banana plantation in the humid tropics. <i>Journal of Geophysical Research</i> , 1997, 102, 15889-15898.	3.3	94
56	Monitoring selective logging in western Amazonia with repeat lidar flights. <i>Remote Sensing of Environment</i> , 2014, 151, 157-165.	11.0	90
57	Emissions of N <sub>2</sub> O from tropical forest soils: Response to fertilization with NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> , and PO <sub>4</sub> <sup>3-</sup> . <i>Journal of Geophysical Research</i> , 1988, 93, 1600-1604.	3.3	87
58	Tropical-Forest Biomass Estimation at X-Band From the Spaceborne TanDEM-X Interferometer. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 239-243.	3.1	83
59	Calibration of time domain reflectometry technique using undisturbed soil samples from humid tropical soils of volcanic origin. <i>Water Resources Research</i> , 1997, 33, 1241-1249.	4.2	82
60	Estimation of biomass and carbon stocks: the case of the Atlantic Forest. <i>Biota Neotropica</i> , 2008, 8, 21-29.	1.0	82
61	A source of methane from upland forests in the Brazilian Amazon. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	80
62	Necromass in undisturbed and logged forests in the Brazilian Amazon. <i>Forest Ecology and Management</i> , 2007, 238, 309-318.	3.2	80
63	Soil-atmosphere exchange of nitrous oxide, methane and carbon dioxide in a gradient of elevation in the coastal Brazilian Atlantic forest. <i>Biogeosciences</i> , 2011, 8, 733-742.	3.3	77
64	Effects of tropical deforestation on global and regional atmospheric chemistry. <i>Climatic Change</i> , 1991, 19, 139-158.	3.6	76
65	Isoprene emission from tropical forest canopy leaves. <i>Global Biogeochemical Cycles</i> , 1999, 13, 19-29.	4.9	76
66	Quantifying long-term changes in carbon stocks and forest structure from Amazon forest degradation. <i>Environmental Research Letters</i> , 2018, 13, 065013.	5.2	75
67	NEON terrestrial field observations: designing continental-scale, standardized sampling. <i>Ecosphere</i> , 2012, 3, 1-17.	2.2	74
68	Detecting forest response to droughts with global observations of vegetation water content. <i>Global Change Biology</i> , 2021, 27, 6005-6024.	9.5	73
69	Studies of land-cover, land-use, and biophysical properties of vegetation in the Large Scale Biosphere Atmosphere experiment in Amazônia. <i>Remote Sensing of Environment</i> , 2003, 87, 377-388.	11.0	69
70	Former land-use and tree species affect nitrogen oxide emissions from a tropical dry forest. <i>Oecologia</i> , 2002, 130, 297-308.	2.0	68
71	Intensive field measurements of nitrous oxide emissions from a tropical agricultural soil. <i>Global Biogeochemical Cycles</i> , 2000, 14, 85-95.	4.9	66
72	Airborne lidar-based estimates of tropical forest structure in complex terrain: opportunities and trade-offs for REDD+. <i>Carbon Balance and Management</i> , 2015, 10, 3.	3.2	66

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73	El Niño drought increased canopy turnover in Amazon forests. <i>New Phytologist</i> , 2018, 219, 959-971.	7.3	65
74	Regional Variations in Biomass Distribution in Brazilian Savanna Woodland. <i>Biotropica</i> , 2014, 46, 125-138.	1.6	60
75	Structural Dynamics of Tropical Moist Forest Gaps. <i>PLoS ONE</i> , 2015, 10, e0132144.	2.5	57
76	Seeing the forest beyond the trees. <i>Global Ecology and Biogeography</i> , 2015, 24, 606-610.	5.8	56
77	Nitrous oxide, nitric oxide, and methane fluxes from soils following clearing and burning of tropical secondary forest. <i>Journal of Geophysical Research</i> , 1998, 103, 28047-28058.	3.3	55
78	A Simple Algorithm for Large-Scale Mapping of Evergreen Forests in Tropical America, Africa and Asia. <i>Remote Sensing</i> , 2009, 1, 355-374.	4.0	54
79	Floodplain ecosystem processes. <i>Geophysical Monograph Series</i> , 2009, , 525-541.	0.1	54
80	Storm intensity and old-growth forest disturbances in the Amazon region. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	54
81	NECROMASS PRODUCTION: STUDIES IN UNDISTURBED AND LOGGED AMAZON FORESTS. <i>Ecological Applications</i> , 2008, 18, 873-884.	3.8	53
82	Experimentally induced root mortality increased nitrous oxide emission from tropical forest soils. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	52
83	Big questions, big science: meeting the challenges of global ecology. <i>Oecologia</i> , 2015, 177, 925-934.	2.0	50
84	Soil nitrogen cycling and nitrogen oxide emissions along a pasture chronosequence in the humid tropics of Costa Rica. <i>Soil Biology and Biochemistry</i> , 1999, 31, 387-394.	8.8	47
85	Measurements of soil and canopy exchange rates in the Amazon rain forest using $^{222}\text{Rn}$ . <i>Journal of Geophysical Research</i> , 1990, 95, 16865-16873.	3.3	46
86	Impacts of Airborne Lidar Pulse Density on Estimating Biomass Stocks and Changes in a Selectively Logged Tropical Forest. <i>Remote Sensing</i> , 2017, 9, 1068.	4.0	45
87	IKONOS imagery for the Large Scale Biosphere Atmosphere Experiment in Amazonia (LBA). <i>Remote Sensing of Environment</i> , 2003, 88, 111-127.	11.0	44
88	Impacts of Degradation on Water, Energy, and Carbon Cycling of the Amazon Tropical Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005677.	3.0	44
89	Timber production in selectively logged tropical forests in South America. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 213-216.	4.0	43
90	Examining effective use of data sources and modeling algorithms for improving biomass estimation in a moist tropical forest of the Brazilian Amazon. <i>International Journal of Digital Earth</i> , 2017, 10, 996-1016.	3.9	43

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91	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico. <i>Biogeochemistry</i> , 1999, 46, 85-108.	3.5	40
92	The effects of drought on Amazonian rain forests. <i>Geophysical Monograph Series</i> , 2009, , 429-449.	0.1	39
93	Management effects on methane fluxes in humid tropical pasture soils. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1493-1499.	8.8	38
94	Nitrate limitation of N <sub>2</sub> O production and denitrification from tropical pasture and rain forest soils. <i>Biogeochemistry</i> , 1993, 22, 179.	3.5	37
95	Historical and future land use effects on N <sub>2</sub> O and NO emissions using an ensemble modeling approach: Costa Rica's Caribbean lowlands as an example. <i>Global Biogeochemical Cycles</i> , 2002, 16, 16-1-16-18.	4.9	35
96	Fluxes of nitric oxide from soils following the clearing and burning of a secondary tropical rain forest. <i>Journal of Geophysical Research</i> , 1995, 100, 25913.	3.3	33
97	Amazon forest structure generates diurnal and seasonal variability in light utilization. <i>Biogeosciences</i> , 2016, 13, 2195-2206.	3.3	32
98	Canopy area of large trees explains aboveground biomass variations across neotropical forest landscapes. <i>Biogeosciences</i> , 2018, 15, 3377-3390.	3.3	32
99	Long-Term Impacts of Selective Logging on Amazon Forest Dynamics from Multi-Temporal Airborne LiDAR. <i>Remote Sensing</i> , 2019, 11, 709.	4.0	31
100	Biosphere-Atmosphere Exchange of Trace Gases in the Tropics: Evaluating the Effects of Land Use Changes. , 1994, , 103-117.		31
101	Title is missing!. <i>Biogeochemistry</i> , 2001, 56, 265-286.	3.5	30
102	Nitrous oxide fluxes and nitrogen cycling along a pasture chronosequence in Central Amazonia, Brazil. <i>Biogeosciences</i> , 2005, 2, 175-187.	3.3	30
103	Controls on nitric oxide emissions from tropical pasture and rain forest soils. <i>Biology and Fertility of Soils</i> , 1995, 20, 151-156.	4.3	29
104	Tropical-Forest Structure and Biomass Dynamics from TanDEM-X Radar Interferometry. <i>Forests</i> , 2017, 8, 277.	2.1	29
105	Retention of phosphorus in highly weathered soils under a lowland Amazonian forest ecosystem. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	28
106	Soil-atmosphere nitrogen oxide fluxes: Effects of root disturbance. <i>Journal of Geophysical Research</i> , 2000, 105, 17693-17698.	3.3	27
107	A Review of Above Ground Necromass in Tropical Forests. , 0, , .		27
108	Optimizing biomass estimates of savanna woodland at different spatial scales in the Brazilian Cerrado: Re-evaluating allometric equations and environmental influences. <i>PLoS ONE</i> , 2018, 13, e0196742.	2.5	27

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109	Spatial and temporal variability of nitrogen oxide and methane fluxes from a fertilized tree plantation in Costa Rica. <i>Journal of Geophysical Research</i> , 1999, 104, 30097-30107.	3.3	26
110	Resource availability and disturbance shape maximum tree height across the Amazon. <i>Global Change Biology</i> , 2021, 27, 177-189.	9.5	26
111	Tropical land use change and soil emissions of nitrogen oxides. <i>Soil Use and Management</i> , 1997, 13, 278-287.	4.9	25
112	Ecophysiology of forest and savanna vegetation. <i>Geophysical Monograph Series</i> , 2009, , 463-484.	0.1	25
113	Post-Fire Changes in Forest Biomass Retrieved by Airborne LiDAR in Amazonia. <i>Remote Sensing</i> , 2016, 8, 839.	4.0	25
114	Simulation of nitrous oxide and nitric oxide emissions from tropical primary forests in the Costa Rican Atlantic Zone. <i>Environmental Modelling and Software</i> , 2000, 15, 727-743.	4.5	24
115	Gap formation and carbon cycling in the Brazilian Amazon: measurement using high-resolution optical remote sensing and studies in large forest plots. <i>Plant Ecology and Diversity</i> , 2014, 7, 305-318.	2.4	24
116	Modeling and Mapping Agroforestry Aboveground Biomass in the Brazilian Amazon Using Airborne Lidar Data. <i>Remote Sensing</i> , 2016, 8, 21.	4.0	24
117	Quantification of selective logging in tropical forest with spaceborne SAR interferometry. <i>Remote Sensing of Environment</i> , 2018, 211, 167-183.	11.0	24
118	If a Tree Falls in the Forest.... <i>Science</i> , 1996, 273, 201-0.	12.6	23
119	Fire Effects on Understory Forest Regeneration in Southern Amazonia. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	23
120	Model simulation of changes in N <sub>2</sub> O and NO emissions with conversion of tropical rain forests to pastures in the Costa Rican Atlantic Zone. <i>Global Biogeochemical Cycles</i> , 1999, 13, 663-677.	4.9	22
121	An ecosystem model for tropical forest disturbance and selective logging. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
122	Selective logging and its relation to deforestation. <i>Geophysical Monograph Series</i> , 2009, , 25-42.	0.1	20
123	Landscape-scale lidar analysis of aboveground biomass distribution in secondary Brazilian Atlantic Forest. <i>Biotropica</i> , 2018, 50, 520-530.	1.6	20
124	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1998, 105, 117-130.	2.4	19
125	The changing rates and patterns of deforestation and land use in Brazilian Amazonia. <i>Geophysical Monograph Series</i> , 2009, , 11-23.	0.1	19
126	The production, storage, and flow of carbon in Amazonian forests. <i>Geophysical Monograph Series</i> , 2009, , 355-372.	0.1	19



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127	Do plant species influence soil CO <sub>2</sub> and N <sub>2</sub> O fluxes in a diverse tropical forest?. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	19
128	4. Sustainability of Selective Logging of Upland Forests in the Brazilian Amazon. , 2004, , 41-63.		19
129	Effects of climatic variability and deforestation on surface water regimes. <i>Geophysical Monograph Series</i> , 2009, , 543-553.	0.1	18
130	Ecosystem carbon fluxes and Amazonian forest metabolism. <i>Geophysical Monograph Series</i> , 2009, , 389-407.	0.1	18
131	Changes in Amazonian forest biomass, dynamics, and composition, 1980â€“2002. <i>Geophysical Monograph Series</i> , 2009, , 373-387.	0.1	16
132	Evapotranspiration. <i>Geophysical Monograph Series</i> , 2009, , 261-272.	0.1	14
133	Satellite Observations of the Tropical Terrestrial Carbon Balance and Interactions With the Water Cycle During the 21st Century. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000711.	23.0	13
134	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico. <i>Biogeochemistry</i> , 1999, 46, 85-108.	3.5	11
135	The evolution of macrosystems biology. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 11-19.	4.0	11
136	Assessing impacts of selective logging on water, energy, and carbon budgets and ecosystem dynamics in Amazon forests using the Functionally Assembled Terrestrial Ecosystem Simulator. <i>Biogeosciences</i> , 2020, 17, 4999-5023.	3.3	11
137	The regional carbon budget. <i>Geophysical Monograph Series</i> , 2009, , 409-428.	0.1	10
138	Tracking the Rates and Mechanisms of Canopy Damage and Recovery Following Hurricane Maria Using Multitemporal Lidar Data. <i>Ecosystems</i> , 2022, 25, 892-910.	3.4	10
139	The maintenance of soil fertility in Amazonian managed systems. <i>Geophysical Monograph Series</i> , 2009, , 311-336.	0.1	9
140	Water and chemical budgets at the catchment scale including nutrient exports from intact forests and disturbed landscapes. <i>Geophysical Monograph Series</i> , 2009, , 505-524.	0.1	9
141	Soil carbon dynamics. <i>Geophysical Monograph Series</i> , 2009, , 451-462.	0.1	9
142	Sources and sinks of trace gases in Amazonia and the Cerrado. <i>Geophysical Monograph Series</i> , 2009, , 337-354.	0.1	9
143	Interannual Variability of Carbon Uptake of Secondary Forests in the Brazilian Amazon (2004â€“2014). <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006396.	4.9	9
144	Modeling the regional and remote climatic impact of deforestation. <i>Geophysical Monograph Series</i> , 2009, , 251-260.	0.1	8

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145	Tree Species Effects on Soil Properties and Greenhouse Gas Fluxes in East-Central Amazonia: Comparison between Monoculture and Diverse Forest. <i>Biotropica</i> , 2013, 45, 709-718.	1.6	8
146	Chemical analysis of rainfall and throughfall in the Tapaj�s National Forest, Belterra, Par�, Brazil. <i>Revista Ambiente &amp; �gua</i> , 2015, 10, .	0.3	8
147	Estimation of coarse dead wood stocks in intact and degraded forests in the Brazilian Amazon using airborne lidar. <i>Biogeosciences</i> , 2019, 16, 3457-3474.	3.3	8
148	Evaluating multiple causes of persistent low microwave backscatter from Amazon forests after the 2005 drought. <i>PLoS ONE</i> , 2017, 12, e0183308.	2.5	8
149	Nutrient limitations to secondary forest regrowth. <i>Geophysical Monograph Series</i> , 2009, , 299-309.	0.1	7
150	The large-scale biosphere-atmosphere experiment in Amazonia: Analyzing regional land use change effects. <i>Geophysical Monograph Series</i> , 2004, , 321-334.	0.1	6
151	Not the same old (growth) forests. <i>New Phytologist</i> , 2019, 221, 1672-1675.	7.3	6
152	Forest structure and solar-induced fluorescence across intact and degraded forests in the Amazon. <i>Remote Sensing of Environment</i> , 2022, 274, 112998.	11.0	6
153	National ecological observatory network (NEON) airborne remote measurements of vegetation canopy biochemistry and structure. , 2010, , .		5
154	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico. , 1999, , 85-108.		4
155	A Conceptual Model for Detecting Small-Scale Forest Disturbances Based on Ecosystem Morphological Traits. <i>Remote Sensing</i> , 2022, 14, 933.	4.0	4
156	Estimating Canopy Structure in an Amazon Forest from Laser Range Finder and IKONOS Satellite Observations1. <i>Biotropica</i> , 2002, 34, 483.	1.6	2
157	Determining aboveground biomass of the forest successional chronosequence in a test-site of Brazilian Amazon through X- and L-band data analysis. , 2014, , .		2
158	Results from LBA and a vision for future Amazonian research. <i>Geophysical Monograph Series</i> , 2009, , 555-563.	0.1	0
159	Physical, chemical, and biological properties of soil under soybean cultivation and at an adjacent rainforest in Amazonia. <i>Revista Ambiente &amp; �gua</i> , 2015, 10, .	0.3	0