

# 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  
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172  
docs citations

172  
times ranked

14660  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Conceptual Model for Detecting Small-Scale Forest Disturbances Based on Ecosystem Morphological Traits. <i>Remote Sensing</i> , 2022, 14, 933.	4.0	4
3	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
4	Resource availability and disturbance shape maximum tree height across the Amazon. <i>Global Change Biology</i> , 2021, 27, 177-189.	9.5	26
5	The evolution of macrosystems biology. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 11-19.	4.0	11
6	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
7	Changes in global terrestrial live biomass over the 21st century. <i>Science Advances</i> , 2021, 7, eabe9829.	10.3	136
8	Detecting forest response to droughts with global observations of vegetation water content. <i>Global Change Biology</i> , 2021, 27, 6005-6024.	9.5	73
9	Interannual Variability of Carbon Uptake of Secondary Forests in the Brazilian Amazon (2004-2014). <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006396.	4.9	9
10	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
11	Fire Effects on Understory Forest Regeneration in Southern Amazonia. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	23
12	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
13	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
14	Not the same old (growth) forests. <i>New Phytologist</i> , 2019, 221, 1672-1675.	7.3	6
15	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
16	Landscape-scale lidar analysis of aboveground biomass distribution in secondary Brazilian Atlantic Forest. <i>Biotropica</i> , 2018, 50, 520-530.	1.6	20
17	El Niño drought increased canopy turnover in Amazon forests. <i>New Phytologist</i> , 2018, 219, 959-971.	7.3	65
18	Drivers and mechanisms of tree mortality in moist tropical forests. <i>New Phytologist</i> , 2018, 219, 851-869.	7.3	341

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19	Quantification of selective logging in tropical forest with spaceborne SAR interferometry. <i>Remote Sensing of Environment</i> , 2018, 211, 167-183.	11.0	24
20	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
21	Canopy area of large trees explains aboveground biomass variations across neotropical forest landscapes. <i>Biogeosciences</i> , 2018, 15, 3377-3390.	3.3	32
22	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
23	Post-drought decline of the Amazon carbon sink. <i>Nature Communications</i> , 2018, 9, 3172.	12.8	95
24	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
25	Tropical-Forest Structure and Biomass Dynamics from TanDEM-X Radar Interferometry. <i>Forests</i> , 2017, 8, 277.	2.1	29
26	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
27	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
28	Amazon forest structure generates diurnal and seasonal variability in light utilization. <i>Biogeosciences</i> , 2016, 13, 2195-2206.	3.3	32
29	Modeling and Mapping Agroforestry Aboveground Biomass in the Brazilian Amazon Using Airborne Lidar Data. <i>Remote Sensing</i> , 2016, 8, 21.	4.0	24
30	Post-Fire Changes in Forest Biomass Retrieved by Airborne LiDAR in Amazonia. <i>Remote Sensing</i> , 2016, 8, 839.	4.0	25
31	Aboveground biomass variability across intact and degraded forests in the Brazilian Amazon. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1639-1660.	4.9	109
32	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
33	Structural Dynamics of Tropical Moist Forest Gaps. <i>PLoS ONE</i> , 2015, 10, e0132144.	2.5	57
34	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
35	Big questions, big science: meeting the challenges of global ecology. <i>Oecologia</i> , 2015, 177, 925-934.	2.0	50
36	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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37	Seeing the forest beyond the trees. <i>Global Ecology and Biogeography</i> , 2015, 24, 606-610.	5.8	56
38	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
39	Physical, chemical, and biological properties of soil under soybean cultivation and at an adjacent rainforest in Amazonia. <i>Revista Ambiente &amp; Água</i> , 2015, 10, .	0.3	0
40	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. <i>Nature Communications</i> , 2014, 5, 3434.	12.8	169
41	Determining aboveground biomass of the forest successional chronosequence in a test-site of Brazilian Amazon through X- and L-band data analysis. , 2014, , .		2
42	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
43	Regional Variations in Biomass Distribution in Brazilian Savanna Woodland. <i>Biotropica</i> , 2014, 46, 125-138.	1.6	60
44	Monitoring selective logging in western Amazonia with repeat lidar flights. <i>Remote Sensing of Environment</i> , 2014, 151, 157-165.	11.0	90
45	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
46	Tree height and tropical forest biomass estimation. <i>Biogeosciences</i> , 2013, 10, 8385-8399.	3.3	149
47	NEON terrestrial field observations: designing continental-scale, standardized sampling. <i>Ecosphere</i> , 2012, 3, 1-17.	2.2	74
48	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
49	The Amazon basin in transition. <i>Nature</i> , 2012, 481, 321-328.	27.8	922
50	Height-diameter allometry of tropical forest trees. <i>Biogeosciences</i> , 2011, 8, 1081-1106.	3.3	396
51	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
52	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
53	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
54	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

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55	National ecological observatory network (NEON) airborne remote measurements of vegetation canopy biochemistry and structure. , 2010, , .		5
56	Do plant species influence soil CO <sub>2</sub> and N <sub>2</sub> O fluxes in a diverse tropical forest?. Journal of Geophysical Research, 2010, 115, .	3.3	19
57	Storm intensity and old-growth forest disturbances in the Amazon region. Geophysical Research Letters, 2010, 37, .	4.0	54
58	A Simple Algorithm for Large-Scale Mapping of Evergreen Forests in Tropical America, Africa and Asia. Remote Sensing, 2009, 1, 355-374.	4.0	54
59	Changes in Amazonian forest biomass, dynamics, and composition, 1980-2002. Geophysical Monograph Series, 2009, , 373-387.	0.1	16
60	The maintenance of soil fertility in Amazonian managed systems. Geophysical Monograph Series, 2009, , 311-336.	0.1	9
61	The changing rates and patterns of deforestation and land use in Brazilian Amazonia. Geophysical Monograph Series, 2009, , 11-23.	0.1	19
62	Water and chemical budgets at the catchment scale including nutrient exports from intact forests and disturbed landscapes. Geophysical Monograph Series, 2009, , 505-524.	0.1	9
63	Soil carbon dynamics. Geophysical Monograph Series, 2009, , 451-462.	0.1	9
64	Evapotranspiration. Geophysical Monograph Series, 2009, , 261-272.	0.1	14
65	Ecophysiology of forest and savanna vegetation. Geophysical Monograph Series, 2009, , 463-484.	0.1	25
66	Results from LBA and a vision for future Amazonian research. Geophysical Monograph Series, 2009, , 555-563.	0.1	0
67	Nutrient limitations to secondary forest regrowth. Geophysical Monograph Series, 2009, , 299-309.	0.1	7
68	The production, storage, and flow of carbon in Amazonian forests. Geophysical Monograph Series, 2009, , 355-372.	0.1	19
69	The effects of drought on Amazonian rain forests. Geophysical Monograph Series, 2009, , 429-449.	0.1	39
70	Selective logging and its relation to deforestation. Geophysical Monograph Series, 2009, , 25-42.	0.1	20
71	The regional carbon budget. Geophysical Monograph Series, 2009, , 409-428.	0.1	10
72	Sources and sinks of trace gases in Amazonia and the Cerrado. Geophysical Monograph Series, 2009, , 337-354.	0.1	9

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73	Modeling the regional and remote climatic impact of deforestation. Geophysical Monograph Series, 2009, , 251-260.	0.1	8
74	Floodplain ecosystem processes. Geophysical Monograph Series, 2009, , 525-541.	0.1	54
75	Effects of climatic variability and deforestation on surface water regimes. Geophysical Monograph Series, 2009, , 543-553.	0.1	18
76	Ecosystem carbon fluxes and Amazonian forest metabolism. Geophysical Monograph Series, 2009, , 389-407.	0.1	18
77	Amazon Forest Structure from IKONOS Satellite Data and the Automated Characterization of Forest Canopy Properties. Biotropica, 2008, 40, 141-150.	1.6	97
78	An ecosystem model for tropical forest disturbance and selective logging. Journal of Geophysical Research, 2008, 113, .	3.3	22
79	Forest fragmentation and edge effects from deforestation and selective logging in the Brazilian Amazon. Biological Conservation, 2008, 141, 1745-1757.	4.1	408
80	Retention of phosphorus in highly weathered soils under a lowland Amazonian forest ecosystem. Journal of Geophysical Research, 2008, 113, .	3.3	28
81	A continental strategy for the National Ecological Observatory Network. Frontiers in Ecology and the Environment, 2008, 6, 282-284.	4.0	246
82	NECROMASS PRODUCTION: STUDIES IN UNDISTURBED AND LOGGED AMAZON FORESTS. Ecological Applications, 2008, 18, 873-884.	3.8	53
83	Estimation of biomass and carbon stocks: the case of the Atlantic Forest. Biota Neotropica, 2008, 8, 21-29.	1.0	82
84	Revised method for forest canopy height estimation from Geoscience Laser Altimeter System waveforms. Journal of Applied Remote Sensing, 2007, 1, 013537.	1.3	157
85	Necromass in undisturbed and logged forests in the Brazilian Amazon. Forest Ecology and Management, 2007, 238, 309-318.	3.2	80
86	Timber production in selectively logged tropical forests in South America. Frontiers in Ecology and the Environment, 2007, 5, 213-216.	4.0	43
87	A source of methane from upland forests in the Brazilian Amazon. Geophysical Research Letters, 2006, 33, .	4.0	80
88	Detecting leaf phenology of seasonally moist tropical forests in South America with multi-temporal MODIS images. Remote Sensing of Environment, 2006, 103, 465-473.	11.0	179
89	Condition and fate of logged forests in the Brazilian Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12947-12950.	7.1	286
90	Satellite-based modeling of gross primary production in a seasonally moist tropical evergreen forest. Remote Sensing of Environment, 2005, 94, 105-122.	11.0	242

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91	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
92	Nitrous oxide fluxes and nitrogen cycling along a pasture chronosequence in Central Amazonia, Brazil. <i>Biogeosciences</i> , 2005, 2, 175-187.	3.3	30
93	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
94	Estimates of forest canopy height and aboveground biomass using ICESat. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	491
95	Selective Logging in the Brazilian Amazon. <i>Science</i> , 2005, 310, 480-482.	12.6	844
96	ECOLOGICAL RESEARCH IN THE LARGE-SCALE BIOSPHERE-ATMOSPHERE EXPERIMENT IN AMAZONIA: EARLY RESULTS. , 2004, 14, 3-16.		130
97	CARBON BALANCE AND VEGETATION DYNAMICS IN AN OLD-GROWTH AMAZONIAN FOREST. , 2004, 14, 55-71.		251
98	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
99	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
100	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
101	CANOPY DAMAGE AND RECOVERY AFTER SELECTIVE LOGGING IN AMAZONIA: FIELD AND SATELLITE STUDIES. , 2004, 14, 280-298.		163
102	4. Sustainability of Selective Logging of Upland Forests in the Brazilian Amazon. , 2004, , 41-63.		19
103	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
104	Studies of land-cover, land-use, and biophysical properties of vegetation in the Large Scale Biosphere Atmosphere experiment in Amazonia. <i>Remote Sensing of Environment</i> , 2003, 87, 377-388.	11.0	69
105	Experimentally induced root mortality increased nitrous oxide emission from tropical forest soils. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	52
106	Biodiversity Meets the Atmosphere: A Global View of Forest Canopies. <i>Science</i> , 2003, 301, 183-186.	12.6	295
107	Carbon in Amazon Forests: Unexpected Seasonal Fluxes and Disturbance-Induced Losses. <i>Science</i> , 2003, 302, 1554-1557.	12.6	625
108	Estimating Canopy Structure in an Amazon Forest from Laser Range Finder and IKONOS Satellite Observations. <i>Biotropica</i> , 2002, 34, 483.	1.6	2

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109	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
110	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
111	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
112	Remote sensing of selective logging in Amazonia. <i>Remote Sensing of Environment</i> , 2002, 80, 483-496.	11.0	180
113	Estimating Canopy Structure in an Amazon Forest from Laser Range Finder and IKONOS Satellite Observations <sup>1</sup> . <i>Biotropica</i> , 2002, 34, 483-492.	1.6	100
114	Biomass estimation in the Tapajos National Forest, Brazil. <i>Forest Ecology and Management</i> , 2001, 154, 371-382.	3.2	280
115	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
116	Management effects on methane fluxes in humid tropical pasture soils. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1493-1499.	8.8	38
117	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
118	Title is missing!. <i>Biogeochemistry</i> , 2001, 56, 265-286.	3.5	30
119	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
120	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
121	Soil-atmosphere nitrogen oxide fluxes: Effects of root disturbance. <i>Journal of Geophysical Research</i> , 2000, 105, 17693-17698.	3.3	27
122	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
123	Intensive field measurements of nitrous oxide emissions from a tropical agricultural soil. <i>Global Biogeochemical Cycles</i> , 2000, 14, 85-95.	4.9	66
124	Testing a Conceptual Model of Soil Emissions of Nitrous and Nitric Oxides. <i>BioScience</i> , 2000, 50, 667.	4.9	743
125	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico. <i>Biogeochemistry</i> , 1999, 46, 85-108.	3.5	40
126	Isoprene emission from tropical forest canopy leaves. <i>Global Biogeochemical Cycles</i> , 1999, 13, 19-29.	4.9	76



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127	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
128	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico. <i>Biogeochemistry</i> , 1999, 46, 85-108.	3.5	11
129	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
130	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
131	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
132	A nitrogen budget for late-successional hillslope tabonuco forest, Puerto Rico. , 1999, , 85-108.		4
133	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1998, 105, 117-130.	2.4	19
134	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
135	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
136	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
137	Nitrogen oxide emissions from a banana plantation in the humid tropics. <i>Journal of Geophysical Research</i> , 1997, 102, 15889-15898.	3.3	94
138	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
139	Controls on isoprene emission from trees in a subtropical dry forest. <i>Plant, Cell and Environment</i> , 1997, 20, 569-578.	5.7	98
140	Tropical land use change and soil emissions of nitrogen oxides. <i>Soil Use and Management</i> , 1997, 13, 278-287.	4.9	25
141	Fertilizer-induced nitric oxide emissions from agricultural soils. , 1997, 48, 69-77.		106
142	If a Tree Falls in the Forest.... <i>Science</i> , 1996, 273, 201-0.	12.6	23
143	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
144	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

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145	Methane emission by bubbling from Gatun Lake, Panama. <i>Journal of Geophysical Research</i> , 1994, 99, 8307.	3.3	189
146	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
147	Tropical Rain Forest Conversion to Pasture: Changes in Vegetation and Soil Properties. , 1994, 4, 363-377.		266
148	Biosphere-Atmosphere Exchange of Trace Gases in the Tropics: Evaluating the Effects of Land Use Changes. , 1994, , 103-117.		31
149	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
150	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
151	Effects of tropical deforestation on global and regional atmospheric chemistry. <i>Climatic Change</i> , 1991, 19, 139-158.	3.6	76
152	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
153	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
154	Measurements of soil and canopy exchange rates in the Amazon rain forest using <sup>222</sup> Rn. <i>Journal of Geophysical Research</i> , 1990, 95, 16865-16873.	3.3	46
155	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
156	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
157	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
158	Production of nitrous oxide and consumption of methane by forest soils. <i>Geophysical Research Letters</i> , 1983, 10, 1156-1159.	4.0	193
159	A Review of Above Ground Necromass in Tropical Forests. , 0, , .		27