Paulo M Brando

List of Publications by Year
in descending order

91 papers	10,402 citations	81743 39 h-index	53109 85 g-index
93 all docs	93 docs citations	93 times ranked	11976 citing authors

#	Article	IF	Citations
1	Intensification of fire regimes and forest loss in the TerritÃ³rio IndÃgena do Xingu. Environmental Research Letters, 2022, 17, 045012.	2.2	8
2	The Latent Dirichlet Allocation model applied to airborne <scp>LiDAR</scp> data: A case study on mapping forest degradation associated with fragmentation and fire in the Amazon region. Methods in Ecology and Evolution, 2022, 13, 1329-1342.	2.2	0
3	Deforestation-induced climate change reduces carbon storage in remaining tropical forests. Nature Communications, 2022, 13, 1964.	5.8	41
4	AMAZONIA CAMTRAP: A data set of mammal, bird, and reptile species recorded with camera traps in the Amazon forest. Ecology, 2022, 103, e3738.	1.5	6
5	A compound event-oriented framework to tropical fire risk assessment in a changing climate. Environmental Research Letters, 2022, 17, 065015.	2.2	14
6	Reduced predation by arthropods and higher herbivory in burned Amazonian forests. Biotropica, 2022, 54, 1052-1060.	0.8	5
7	Starch and lipid storage strategies in tropical trees relate to growth and mortality. New Phytologist, 2021, 230, 139-154.	3.5	25
8	Burning in southwestern Brazilian Amazonia, 2016â€“2019. Journal of Environmental Management, 2021, 286, 112189.	3.8	23
9	The Latent Dirichlet Allocation model with covariates (LDAcov): A case study on the effect of fire on species composition in Amazonian forests. Ecology and Evolution, 2021, 11, 7970-7979.	0.8	2
10	Beyond Deforestation: Carbon Emissions From Land Grabbing and Forest Degradation in the Brazilian Amazon. Frontiers in Forests and Global Change, 2021, 4, .	1.0	23
11	Amazonian forest degradation must be incorporated into the COP26 agenda. Nature Geoscience, 2021, 14, 634-635.	5.4	32
12	How deregulation, drought and increasing fire impact Amazonian biodiversity. Nature, 2021, 597, 516-521.	13.7	65
13	Ten new insights in climate science 2021: a horizon scan. Global Sustainability, 2021, 4, .	1.6	26
14	Climatic limit for agriculture in Brazil. Nature Climate Change, 2021, 11, 1098-1104.	8.1	40
15	Biological Nitrogen Fixation Does Not Replace Nitrogen Losses After Forest Fires in the Southeastern Amazon. Ecosystems, 2020, 23, 1037-1055.	1.6	13
16	Thinner bark increases sensitivity of wetter Amazonian tropical forests to fire. Ecology Letters, 2020, 23, 99-106.	3.0	40
17	The gathering firestorm in southern Amazonia. Science Advances, 2020, 6, eaay1632.	4.7	132
18	Agricultural land-use change alters the structure and diversity of Amazon riparian forests. Biological Conservation, 2020, 252, 108862.	1.9	11

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19	Collective action can avoid the â€œtragedy of the Amazon commonsâ€• Frontiers in Ecology and the Environment, 2020, 18, 430-431.	1.9	0
20	Effects of Fire Frequency on Seed Sources and Regeneration in Southeastern Amazonia. Frontiers in Forests and Global Change, 2020, 3, .	1.0	14
21	Higher fire frequency impaired woody species regeneration in a south-eastern Amazonian forest. Journal of Tropical Ecology, 2020, 36, 190-198.	0.5	3
22	Tropical soybean yield response to reduced or zero phosphorus fertilization depends on soils. , 2020, 3, e20113.		2
23	Amazon wildfires: Scenes from a foreseeable disaster. Flora: Morphology, Distribution, Functional Ecology of Plants, 2020, 268, 151609.	0.6	75
24	Impacts of Degradation on Water, Energy, and Carbon Cycling of the Amazon Tropical Forests. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005677.	1.3	44
25	Potential shifts in the aboveground biomass and physiognomy of a seasonally dry tropical forest in a changing climate. Environmental Research Letters, 2020, 15, 034053.	2.2	16
26	Droughts Amplify Differences Between the Energy Balance Components of Amazon Forests and Croplands. Remote Sensing, 2020, 12, 525.	1.8	15
27	Fire as a fundamental ecological process: Research advances and frontiers. Journal of Ecology, 2020, 108, 2047-2069.	1.9	281
28	Synergism of climatic variables and forest burns in the State of Acre. Biodiversidade Brasileira - BioBrasil, 2020, , 48.	0.0	0
29	Effects of experimental fires on the phylogenetic and functional diversity of woody species in a neotropical forest. Forest Ecology and Management, 2019, 450, 117497.	1.4	17
30	Climate risks to Amazon agriculture suggest a rationale to conserve local ecosystems. Frontiers in Ecology and the Environment, 2019, 17, 584-590.	1.9	36
31	Prolonged tropical forest degradation due to compounding disturbances: Implications for CO₂ and H₂O fluxes. Global Change Biology, 2019, 25, 2855-2868.	4.2	43
32	Droughts, Wildfires, and Forest Carbon Cycling: A Pantropical Synthesis. Annual Review of Earth and Planetary Sciences, 2019, 47, 555-581.	4.6	131
33	Lowland tapirs facilitate seed dispersal in degraded Amazonian forests. Biotropica, 2019, 51, 245-252.	0.8	34
34	Effects of Tropical Deforestation on Surface Energy Balance Partitioning in Southeastern Amazonia Estimated From Maximum Convective Power. Geophysical Research Letters, 2019, 46, 4396-4403.	1.5	14
35	Fire, fragmentation, and windstorms: A recipe for tropical forest degradation. Journal of Ecology, 2019, 107, 656-667.	1.9	74
36	Drivers and mechanisms of tree mortality in moist tropical forests. New Phytologist, 2018, 219, 851-869.	3.5	341

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37	Soil Carbon Dynamics in Soybean Cropland and Forests in Mato Grosso, Brazil. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 18-31.	1.3	22
38	Tree growth and stem carbon accumulation in human-modified Amazonian forests following drought and fire. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170308.	1.8	29
39	ENSO Drives interannual variation of forest woody growth across the tropics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170410.	1.8	41
40	Tree height matters. Nature Geoscience, 2018, 11, 390-391.	5.4	14
41	Ecophysiological plasticity of Amazonian trees to long-term drought. Oecologia, 2018, 187, 933-940.	0.9	12
42	Impacts of fire on sources of soil <scp>CO</scp>₂ efflux in a dry Amazon rain forest. Global Change Biology, 2018, 24, 3629-3641.	4.2	23
43	The impacts of recurrent fires on diversity of fruit-feeding butterflies in a south-eastern Amazon forest. Journal of Tropical Ecology, 2017, 33, 22-32.	0.5	25
44	Fire-induced forest transition to derived savannas: Cascading effects on ant communities. Biological Conservation, 2017, 214, 295-302.	1.9	37
45	The Forests of the Amazon and Cerrado Moderate Regional Climate and Are the Key to the Future. Tropical Conservation Science, 2017, 10, 194008291772067.	0.6	49
46	Current and future patterns of fire-induced forest degradation in Amazonia. Environmental Research Letters, 2017, 12, 095005.	2.2	53
47	Surprisingly Modest Water Quality Impacts From Expansion and Intensification of Large-Sscale Commercial Agriculture in the Brazilian Amazon-Cerrado Region. Tropical Conservation Science, 2017, 10, 194008291772066.	0.6	17
48	The Hydrology and Energy Balance of the Amazon Basin. Ecological Studies, 2016, , 35-53.	0.4	10
49	Climate and leaf phenology controls on tropical forest photosynthesis. , 2016, , .		0
50	Effects of experimental fuel additions on fire intensity and severity: unexpected carbon resilience of a neotropical forest. Global Change Biology, 2016, 22, 2516-2525.	4.2	35
51	Leaf development and demography explain photosynthetic seasonality in Amazon evergreen forests. Science, 2016, 351, 972-976.	6.0	336
52	Agricultural expansion dominates climate changes in southeastern Amazonia: the overlooked non-GHG forcing. Environmental Research Letters, 2015, 10, 104015.	2.2	113
53	The role of leaf traits in determining litter flammability of south-eastern Amazon tree species. International Journal of Wildland Fire, 2015, 24, 1143.	1.0	12
54	Early recruitment responses to interactions between frequent fires, nutrients, and herbivory in the southern Amazon. Oecologia, 2015, 178, 807-817.	0.9	14

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55	Landscape fragmentation, severe drought, and the new Amazon forest fire regime. Ecological Applications, 2015, 25, 1493-1505.	1.8	196
56	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. Global Change Biology, 2015, 21, 2283-2295.	4.2	146
57	Structure and composition of altered riparian forests in an agricultural Amazonian landscape. , 2015, 25, 1725-1738.		26
58	Projections of future meteorological drought and wet periods in the Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13172-13177.	3.3	265
59	Forest health and global change. Science, 2015, 349, 814-818.	6.0	697
60	The Susceptibility of Southeastern Amazon Forests to Fire: Insights from a Large-Scale Burn Experiment. BioScience, 2015, 65, 893-905.	2.2	89
61	Threshold Responses to Soil Moisture Deficit by Trees and Soil in Tropical Rain Forests: Insights from Field Experiments. BioScience, 2015, 65, 882-892.	2.2	109
62	Ecosystem productivity and carbon cycling in intact and annually burnt forest at the dry southern limit of the Amazon rainforest (Mato Grosso, Brazil). Plant Ecology and Diversity, 2014, 7, 25-40.	1.0	41
63	Abrupt increases in Amazonian tree mortality due to droughtâ€“fire interactions. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6347-6352.	3.3	576
64	Slowing Amazon deforestation through public policy and interventions in beef and soy supply chains. Science, 2014, 344, 1118-1123.	6.0	770
65	Interactions between repeated fire, nutrients, and insect herbivores affect the recovery of diversity in the southern Amazon. Oecologia, 2013, 172, 219-229.	0.9	35
66	Confronting model predictions of carbon fluxes with measurements of Amazon forests subjected to experimental drought. New Phytologist, 2013, 200, 350-365.	3.5	247
67	Land-use-driven stream warming in southeastern Amazonia. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120153.	1.8	104
68	Ecology, economy and management of an agroindustrial frontier landscape in the southeast Amazon. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120152.	1.8	70
69	Effects of high-frequency understorey fires on woody plant regeneration in southeastern Amazonian forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120157.	1.8	49
70	Testing the Amazon savannization hypothesis: fire effects on invasion of a neotropical forest by native cerrado and exotic pasture grasses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120427.	1.8	148
71	Forest fragmentation, climate change and understory fire regimes on the Amazonian landscapes of the Xingu headwaters. Landscape Ecology, 2012, 27, 585-598.	1.9	58
72	Fireâ€induced tree mortality in a neotropical forest: the roles of bark traits, tree size, wood density and fire behavior. Global Change Biology, 2012, 18, 630-641.	4.2	225

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73	Natural and drought scenarios in an east central Amazon forest: Fidelity of the Community Land Model 3.5 with three biogeochemical models. Journal of Geophysical Research, 2011, 116, .	3.3	23
74	Size, species, and fire behavior predict tree and liana mortality from experimental burns in the Brazilian Amazon. Forest Ecology and Management, 2011, 261, 68-77.	1.4	96
75	The 2010 Amazon Drought. Science, 2011, 331, 554-554.	6.0	912
76	Predicting moisture dynamics of fine understory fuels in a moist tropical rainforest system: results of a pilot study undertaken to identify proxy variables useful for rating fire danger. New Phytologist, 2010, 187, 720-732.	3.5	29
77	Soil moisture depletion under simulated drought in the Amazon: impacts on deep root uptake. New Phytologist, 2010, 187, 592-607.	3.5	181
78	Comment on â€œThe Incidence of Fire in Amazonian Forests with Implications for REDDâ€• Science, 2010, 330, 1627-1627.	6.0	10
79	Response to Comment on â€œThe Incidence of Fire in Amazonian Forests with Implications for REDDâ€• Science, 2010, 330, 1627-1627.	6.0	7
80	Seasonal and interannual variability of climate and vegetation indices across the Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14685-14690.	3.3	247
81	Comprehensive assessment of carbon productivity, allocation and storage in three Amazonian forests. Global Change Biology, 2009, 15, 1255-1274.	4.2	280
82	Does the disturbance hypothesis explain the biomass increase in basinâ€wide Amazon forest plot data?. Global Change Biology, 2009, 15, 2418-2430.	4.2	74
83	Drought Sensitivity of the Amazon Rainforest. Science, 2009, 323, 1344-1347.	6.0	1,443
84	The effects of drought on Amazonian rain forests. Geophysical Monograph Series, 2009, , 429-449.	0.1	39
85	The regional carbon budget. Geophysical Monograph Series, 2009, , 409-428.	0.1	10
86	Negative fire feedback in a transitional forest of southeastern Amazonia. Global Change Biology, 2008, 14, 2276-2287.	4.2	162
87	Effects of an experimental drought and recovery on soil emissions of carbon dioxide, methane, nitrous oxide, and nitric oxide in a moist tropical forest. Global Change Biology, 2008, 14, 2582-2590.	4.2	145
88	Drought effects on litterfall, wood production and belowground carbon cycling in an Amazon forest: results of a throughfall reduction experiment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1839-1848.	1.8	286
89	Effects of partial throughfall exclusion on the phenology of Coussarea racemosa (Rubiaceae) in an east-central Amazon rainforest. Oecologia, 2006, 150, 181-189.	0.9	27
90	Changes in cerrado vegetation after disturbance by frost (Sï¿½o Paulo State, Brazil). Plant Ecology, 2005, 175, 205-215.	0.7	63

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91	Terrestrial and Inland Water Systems. , 0, , 271-360.		25