

Ben H Marimon

List of Publications by Year in descending order

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74
papers

2,409
citations

257450

24
h-index

243625

44
g-index

78
all docs

78
docs citations

78
times ranked

3926
citing authors

#	ARTICLE	IF	CITATIONS
1	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019, 25, 39-56.	9.5	265
2	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , 2014, 23, 935-946.	5.8	248
3	Comparação da vegetação arbórea e características edáficas de um cerrado e um cerrado sensu stricto em áreas adjacentes sobre solo distrófico no leste de Mato Grosso, Brasil. <i>Acta Botanica Brasílica</i> , 2005, 19, 913-926.	0.8	135
4	On the delineation of tropical vegetation types with an emphasis on forest/savanna transitions. <i>Plant Ecology and Diversity</i> , 2013, 6, 101-137.	2.4	105
5	Disequilibrium and hyperdynamic tree turnover at the forest-cerrado transition zone in southern Amazonia. <i>Plant Ecology and Diversity</i> , 2014, 7, 281-292.	2.4	97
6	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 1366-1383.	5.8	78
7	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , 2015, 21, 1295-1307.	4.1	72
8	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021, 260, 108849.	4.1	71
9	Redefining the Cerrado-Amazonia transition: implications for conservation. <i>Biodiversity and Conservation</i> , 2020, 29, 1501-1517.	2.6	65
10	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , 2014, 17, 527-536.	6.4	63
11	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , 2020, 11, 5515.	12.8	62
12	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , 2020, 10, 10130.	3.3	53
13	Mapping tropical disturbed forests using multi-decadal 30m optical satellite imagery. <i>Remote Sensing of Environment</i> , 2019, 221, 474-488.	11.0	52
14	Environmental determinants for natural regeneration of gallery forest at the Cerrado/Amazonia boundaries in Brazil. <i>Acta Amazonica</i> , 2010, 40, 107-118.	0.7	40
15	Pantropical modelling of canopy functional traits using Sentinel-2 remote sensing data. <i>Remote Sensing of Environment</i> , 2021, 252, 112122.	11.0	38
16	Tree diversity and above-ground biomass in the South America Cerrado biome and their conservation implications. <i>Biodiversity and Conservation</i> , 2020, 29, 1519-1536.	2.6	36
17	Collapse of ecosystem carbon stocks due to forest conversion to soybean plantations at the Amazon-Cerrado transition. <i>Forest Ecology and Management</i> , 2018, 414, 64-73.	3.2	35
18	Dinâmica da comunidade lenhosa de um Cerrado Típico na região Nordeste do Estado de Mato Grosso, Brasil. <i>Biota Neotropica</i> , 2011, 11, 73-82.	1.0	33

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19	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , 2019, 3, 1754-1761.	7.8	32
20	Post-fire recovery of savanna vegetation from rocky outcrops. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2014, 209, 201-208.	1.2	29
21	Amazon Basin forest pyrogenic carbon stocks: First estimate of deep storage. <i>Geoderma</i> , 2017, 306, 237-243.	5.1	29
22	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , 2019, 9, 13822.	3.3	28
23	Legacy of Amazonian Dark Earth soils on forest structure and species composition. <i>Global Ecology and Biogeography</i> , 2020, 29, 1458-1473.	5.8	28
24	Florística dos campos de murundus do Pantanal do Araguaia, Mato Grosso, Brasil. <i>Acta Botanica Brasílica</i> , 2012, 26, 181-196.	0.8	28
25	Pantropical variability in tree crown allometry. <i>Global Ecology and Biogeography</i> , 2021, 30, 459-475.	5.8	27
26	Examining variation in the leaf mass per area of dominant species across two contrasting tropical gradients in light of community assembly. <i>Ecology and Evolution</i> , 2016, 6, 5674-5689.	1.9	26
27	Survival and growth of native <i>Tachigali vulgaris</i> and exotic <i>Eucalyptus urophylla</i> — <i>Eucalyptus grandis</i> trees in degraded soils with biochar amendment in southern Amazonia. <i>Forest Ecology and Management</i> , 2016, 368, 173-182.	3.2	26
28	Impact of biochar on nitrous oxide emissions from upland rice. <i>Journal of Environmental Management</i> , 2016, 169, 27-33.	7.8	26
29	Leaf-level photosynthetic capacity dynamics in relation to soil and foliar nutrients along forest-savanna boundaries in Ghana and Brazil. <i>Tree Physiology</i> , 2018, 38, 1912-1925.	3.1	23
30	Fire Effects on Understory Forest Regeneration in Southern Amazonia. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	23
31	Photosynthetic quantum efficiency in south-eastern Amazonian trees may be already affected by climate change. <i>Plant, Cell and Environment</i> , 2021, 44, 2428-2439.	5.7	22
32	Diversity of functional trade-offs enhances survival after fire in Neotropical savanna species. <i>Journal of Vegetation Science</i> , 2020, 31, 139-150.	2.2	21
33	Diversity, floristic composition, and structure of the woody vegetation of the Cerrado in the Cerrado-Amazon transition zone in Mato Grosso, Brazil. <i>Revista Brasileira De Botanica</i> , 2015, 38, 877-887.	1.3	20
34	Unraveling the ecosystem functions in the Amazonia-Cerrado transition: evidence of hyperdynamic nutrient cycling. <i>Plant Ecology</i> , 2017, 218, 225-239.	1.6	20
35	A new instrument for measurement and collection of quantitative samples of the litter layer in forests. <i>Forest Ecology and Management</i> , 2008, 255, 2244-2250.	3.2	19
36	Desenvolvimento inicial e partições de biomassa de <i>Brosimum rubescens</i> Taub. (Moraceae) sob diferentes níveis de sombreamento. <i>Acta Botanica Brasílica</i> , 2008, 22, 941-953.	0.8	19

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37	Changes in the structure of a savanna forest over a six-year period in the Amazon-Cerrado transition, Mato Grosso state, Brazil. <i>Rodriguesia</i> , 2011, 62, 425-436.	0.9	19
38	Savanna turning into forest: concerted vegetation change at the ecotone between the Amazon and Cerrado biomes. <i>Revista Brasileira De Botanica</i> , 2018, 41, 611-619.	1.3	19
39	The Influence of Ecosystem and Phylogeny on Tropical Tree Crown Size and Shape. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	19
40	The Influence of Taxonomy and Environment on Leaf Trait Variation Along Tropical Abiotic Gradients. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	19
41	Trees at the Amazonia-Cerrado transition are approaching high temperature thresholds. <i>Environmental Research Letters</i> , 2021, 16, 034047.	5.2	19
42	Impacts of Fire on Forest Biomass Dynamics at the Southern Amazon Edge. <i>Environmental Conservation</i> , 2019, 46, 285-292.	1.3	18
43	Dinâmica da comunidade lenhosa de uma floresta de galeria na transição Cerrado-Floresta Amazônica no Leste de Mato Grosso, em um período de sete anos (1999 a 2006). <i>Biota Neotropica</i> , 2011, 11, 53-61.	1.0	16
44	Ecology of Floodplain <i>Campos de Murundus</i> Savanna in Southern Amazonia. <i>International Journal of Plant Sciences</i> , 2015, 176, 670-681.	1.3	16
45	Post-fire dynamics of the woody vegetation of a savanna forest (Cerradão) in the Cerrado-Amazon transition zone. <i>Acta Botanica Brasílica</i> , 2015, 29, 408-416.	0.8	16
46	Monodominance in a forest of <i>Brosimum rubescens</i> Taub. (Moraceae): Structure and dynamics of natural regeneration. <i>Acta Oecologica</i> , 2012, 43, 134-139.	1.1	15
47	Post-fire dynamics of woody vegetation in seasonally flooded forests (impucas) in the Cerrado-Amazonian Forest transition zone. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2014, 209, 260-270.	1.2	15
48	Soil and topographic variation as a key factor driving the distribution of tree flora in the Amazonia/Cerrado transition. <i>Acta Oecologica</i> , 2019, 100, 103467.	1.1	15
49	Early recruitment responses to interactions between frequent fires, nutrients, and herbivory in the southern Amazon. <i>Oecologia</i> , 2015, 178, 807-817.	2.0	14
50	Patterns of tree species composition at watershed-scale in the Amazon arc of deforestation™: implications for conservation. <i>Environmental Conservation</i> , 2016, 43, 317-326.	1.3	14
51	Charcoal chronology of the Amazon forest: A record of biodiversity preserved by ancient fires. <i>Quaternary Geochronology</i> , 2017, 41, 180-186.	1.4	14
52	Influence of climate variability, fire and phosphorus limitation on vegetation structure and dynamics of the Amazon Cerrado border. <i>Biogeosciences</i> , 2018, 15, 919-936.	3.3	14
53	Causes and consequences of liana infestation in southern Amazonia. <i>Journal of Ecology</i> , 2020, 108, 2184-2197.	4.0	13
54	Climate and fragmentation affect forest structure at the southern border of Amazonia. <i>Plant Ecology and Diversity</i> , 2018, 11, 13-25.	2.4	12

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55	Soil water-holding capacity and monodominance in Southern Amazon tropical forests. <i>Plant and Soil</i> , 2020, 450, 65-79.	3.7	12
56	Rainfall and deforestation in the municipality of Col�der, southern Amazon. <i>Revista Brasileira De Meteorologia</i> , 2014, 29, 483-493.	0.5	10
57	Recurrent wildfires drive rapid taxonomic homogenization of seasonally flooded Neotropical forests. <i>Environmental Conservation</i> , 2018, 45, 378-386.	1.3	10
58	Drought generates large, long-term changes in tree and liana regeneration in a monodominant Amazon forest. <i>Plant Ecology</i> , 2020, 221, 733-747.	1.6	10
59	Diversity, abundance and distribution of lianas of the Cerrado�Amazonian forest transition, Brazil. <i>Plant Ecology and Diversity</i> , 2014, 7, 231-240.	2.4	9
60	Resistance to fire and the resilience of the woody vegetation of the �Cerrado�in the �Cerrado�Amazon transition zone. <i>Revista Brasileira De Botanica</i> , 2017, 40, 193-201.	1.3	9
61	Functional susceptibility of tropical forests to climate change. <i>Nature Ecology and Evolution</i> , 2022, 6, 878-889.	7.8	8
62	Unravelling ecosystem functions at the Amazonia-Cerrado transition: II. Carbon stocks and CO 2 soil efflux in cerrado forest undergoing ecological succession. <i>Acta Oecologica</i> , 2017, 82, 23-31.	1.1	7
63	Leaf functional traits and monodominance in Southern Amazonia tropical forests. <i>Plant Ecology</i> , 2022, 223, 185-200.	1.6	7
64	Biomass hyperdynamics as a key modulator of forest self-maintenance in a dystrophic soil in the Amazonia-Cerrado transition. <i>Scientia Forestalis/Forest Sciences</i> , 2016, 44, .	0.2	6
65	Distinct leaf water potential regulation of tree species and vegetation types across the Cerrado�Amazonia transition. <i>Biotropica</i> , 2022, 54, 431-443.	1.6	6
66	Biochar no manejo de nitrog�nio e f�sforo para a produ�o de mudas de angico. <i>Pesquisa Agropecuaria Brasileira</i> , 2016, 51, 120-131.	0.9	5
67	Idiosyncratic soil-tree species associations and their relationships with drought in a monodominant Amazon forest. <i>Acta Oecologica</i> , 2018, 91, 127-136.	1.1	5
68	Fire and drought: Shifts in bark investment across a broad geographical scale for Neotropical savanna trees. <i>Basic and Applied Ecology</i> , 2021, 56, 110-121.	2.7	5
69	Assessing the effects of rainfall reduction on litterfall and the litter layer in phytophysiologicals of the Amazonia�Cerrado transition. <i>Revista Brasileira De Botanica</i> , 2018, 41, 589-600.	1.3	4
70	Functional diversity and regeneration traits of tree communities in the Amazon-Cerrado transition. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2021, 285, 151952.	1.2	4
71	Biochar as substitute for organic matter in the composition of substrates for seedlings - doi: 10.4025/actasciagron.v35i3.17542. <i>Acta Scientiarum - Agronomy</i> , 2013, 35, .	0.6	3
72	Publishing in English is associated with an increase of the impact factor of Brazilian biodiversity journals. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20181263.	0.8	3

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73	Germinação das sementes e desenvolvimento de mudas de <i>Magonia pubescens</i> A.St.-Hil. (Sapindaceae) sob diferentes intensidades de sombreamento. <i>Scientia Forestalis/Forest Sciences</i> , 2016, 44, .	0.2	0
74	Climate defined but not soil-restricted: the distribution of a Neotropical tree through space and time. <i>Plant and Soil</i> , 2022, 471, 175-191.	3.7	0