

# Eric J M M Arets

## List of Publications by Citations

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**Version:** 2024-04-28

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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.

34  
papers

3,130  
citations

25  
h-index

38  
g-index

38  
ext. papers

3,841  
ext. citations

8.7  
avg, IF

4.27  
L-index

#	Paper	IF	Citations
34	Long-term decline of the Amazon carbon sink. <i>Nature</i> , <b>2015</b> , 519, 344-8	50.4	583
33	Height-diameter allometry of tropical forest trees. <i>Biogeosciences</i> , <b>2011</b> , 8, 1081-1106	4.6	311
32	Tree height integrated into pantropical forest biomass estimates. <i>Biogeosciences</i> , <b>2012</b> , 9, 3381-3403	4.6	289
31	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 1314-1328	10.2	245
30	What controls tropical forest architecture? Testing environmental, structural and floristic drivers. <i>Global Ecology and Biogeography</i> , <b>2012</b> , 21, 1179-1190	6.1	158
29	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , <b>2019</b> , 25, 39-56	11.4	158
28	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , <b>2015</b> , 6, 6857	17.4	157
27	Biodiversity and climate determine the functioning of Neotropical forests. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 1423-1434	6.1	110
26	Species Distribution Modeling in the Tropics: Problems, Potentialities, and the Role of Biological Data for Effective Species Conservation. <i>Tropical Conservation Science</i> , <b>2009</b> , 2, 319-352	1.4	108
25	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. <i>Global Change Biology</i> , <b>2016</b> , 22, 3996-4013	11.4	99
24	Light environment and tree strategies in a Bolivian tropical moist forest: an evaluation of the light partitioning hypothesis. <i>Plant Ecology</i> , <b>2003</b> , 166, 295-306	1.7	93
23	Long-term thermal sensitivity of Earth's tropical forests. <i>Science</i> , <b>2020</b> , 368, 869-874	33.3	92
22	Abiotic and biotic drivers of biomass change in a Neotropical forest. <i>Journal of Ecology</i> , <b>2017</b> , 105, 1223-1234	6.2	80
21	Soil fertility and species traits, but not diversity, drive productivity and biomass stocks in a Guyanese tropical rainforest. <i>Functional Ecology</i> , <b>2018</b> , 32, 461-474	5.6	57
20	Carbon uptake by mature Amazon forests has mitigated Amazon nations carbon emissions. <i>Carbon Balance and Management</i> , <b>2017</b> , 12, 1	3.6	56
19	Assessing the impacts of climate change on biodiversity: is below 2 °C enough?. <i>Climatic Change</i> , <b>2019</b> , 154, 351-365	4.5	56
18	Phylogenetic diversity of Amazonian tree communities. <i>Diversity and Distributions</i> , <b>2015</b> , 21, 1295-1307	5	56

17	Field methods for sampling tree height for tropical forest biomass estimation. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 1179-1189	7.7	53
16	Old-growth Neotropical forests are shifting in species and trait composition. <i>Ecological Monographs</i> , <b>2016</b> , 86, 228-243	9	49
15	Fast demographic traits promote high diversification rates of Amazonian trees. <i>Ecology Letters</i> , <b>2014</b> , 17, 527-36	10	48
14	Biodiversity in species, traits, and structure determines carbon stocks and uptake in tropical forests. <i>Biotropica</i> , <b>2017</b> , 49, 593-603	2.3	32
13	Height-diameter allometry of tropical forest trees		31
12	Tree height integrated into pan-tropical forest biomass estimates		30
11	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	29
10	Trade-offs between carbon stocks and timber recovery in tropical forests are mediated by logging intensity. <i>Global Change Biology</i> , <b>2018</b> , 24, 2862-2874	11.4	25
9	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , <b>2020</b> , 11, 5515	17.4	24
8	European forests show no carbon debt, only a long parity effect. <i>Forest Policy and Economics</i> , <b>2017</b> , 75, 120-125	3.6	22
7	Understanding the implications of the EU-LULUCF regulation for the wood supply from EU forests to the EU. <i>Carbon Balance and Management</i> , <b>2018</b> , 13, 18	3.6	19
6	Evolutionary diversity is associated with wood productivity in Amazonian forests. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 1754-1761	12.3	17
5	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , <b>2021</b> , 260, 108849	6.2	15
4	Governance Options to Enhance Ecosystem Services in Cocoa, Soy, Tropical Timber and Palm Oil Value Chains. <i>Environmental Management</i> , <b>2018</b> , 62, 128-142	3.1	12
3	Modelling carbon stock and carbon sequestration ecosystem services for policy design: a comprehensive approach using a dynamic vegetation model. <i>Ecosystems and People</i> , <b>2019</b> , 15, 42-60	4.3	8
2	Pantropical variability in tree crown allometry. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 459-475	6.1	6
1	Scenario Analysis <b>2014</b> , 25-72		1