Heidi Asbjornsen

List of Publications by Year
in descending order

36 papers	911 citations	516710 16 h-index	477307 29 g-index
36 all docs	36 docs citations	36 times ranked	1733 citing authors

#	Article	IF	Citations
1	Hydrological niche segregation defines forest structure and drought tolerance strategies in a seasonal Amazon forest. Journal of Ecology, 2019, 107, 318-333.	4.0	133
2	Foggy days and dry nights determine crownâ€level water balance in a seasonal tropical montane cloud forest. Plant, Cell and Environment, 2014, 37, 261-272.	5.7	102
3	The two water worlds hypothesis: Addressing multiple working hypotheses and proposing a way forward. Ecohydrology, 2018, 11, e1843.	2.4	90
4	Evapotranspiration and water use efficiency in relation to climate and canopy nitrogen in U.S. forests. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2610-2629.	3.0	43
5	Interactions between payments for hydrologic services, landowner decisions, and ecohydrological consequences: synergies and disconnection in the cloud forest zone of central Veracruz, Mexico. Ecology and Society, 2017, 22, .	2.3	43
6	Ecohydrological drivers of Neotropical vegetation in montane ecosystems. Ecohydrology, 2018, 11, e1932.	2.4	40
7	Scaling from single-point sap velocity measurements to stand transpiration in a multispecies deciduous forest: uncertainty sources, stand structure effect, and future scenarios. Canadian Journal of Forest Research, 2015, 45, 1489-1497.	1.7	39
8	Assessing Impacts of Payments for Watershed Services on Sustainability in Coupled Human and Natural Systems. BioScience, 2015, 65, 579-591.	4.9	38
9	Forage productivity and profitability in newly-established open pasture, silvopasture, and thinned forest production systems. Agroforestry Systems, 2019, 93, 51-65.	2.0	34
10	Response ofQuercus velutinagrowth and water use efficiency to climate variability and nitrogen fertilization in a temperate deciduous forest in the northeastern USA. Tree Physiology, 2016, 36, 428-443.	3.1	28
11	ENSO effects on the transpiration of eastern Amazon trees. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20180085.	4.0	28
12	Guidelines and considerations for designing field experiments simulating precipitation extremes in forest ecosystems. Methods in Ecology and Evolution, 2018, 9, 2310-2325.	5.2	24
13	Plant carbon and water fluxes in tropical montane cloud forests. Journal of Tropical Ecology, 2016, 32, 404-420.	1.1	21
14	Biodiversity and carbon storage are correlated along a land use intensity gradient in a tropical montane forest watershed, Mexico. Basic and Applied Ecology, 2020, 44, 24-34.	2.7	21
15	Evaluating ecosystem service trade-offs along a land-use intensification gradient in central Veracruz, Mexico. Ecosystem Services, 2020, 45, 101181.	5.4	19
16	Correcting tree-ring Î´13C time series for tree-size effects in eight temperate tree species. Tree Physiology, 2020, 40, 333-349.	3.1	17
17	Evaluating climate signal recorded in treeâ€ring Î´ ¹³ C and Î´ ¹⁸ O values from bulk wood and Î±â€cellulose for six species across four sites in the northeastern US. Rapid Communications in Mass Spectrometry, 2017, 31, 2081-2091.	1.5	16
18	Influence of forest-to-silvopasture conversion and drought on components of evapotranspiration. Agriculture, Ecosystems and Environment, 2020, 295, 106916.	5.3	16

#	Article	IF	Citations
19	Are Northeastern U.S. forests vulnerable to extreme drought?. Ecological Processes, 2017, 6, .	3.9	15
20	Why size matters: the interactive influences of tree diameter distribution and sap flow parameters on upscaled transpiration. Tree Physiology, 2018, 38, 263-275.	3.1	15
21	Land use change effects on catchment streamflow response in a humid tropical montane cloud forest region, central Veracruz, Mexico. Hydrological Processes, 2020, 34, 3555-3570.	2.6	15
22	A Scale-Explicit Framework for Conceptualizing the Environmental Impacts of Agricultural Land Use Changes. Sustainability, 2014, 6, 8432-8451.	3.2	14
23	Precipitation mediates sap flux sensitivity to evaporative demand in the neotropics. Oecologia, 2019, 191, 519-530.	2.0	14
24	Efectos hidrolÃ³gicos de la conversiÃ³n del bosque de niebla en el centro de Veracruz, MÃ©xico. Bosque, 2015, 36, 395-407.	0.3	13
25	Drought Differentially Affects Growth, Transpiration, and Water Use Efficiency of Mixed and Monospecific Planted Forests. Forests, 2019, 10, 153.	2.1	13
26	Effects of irrigation on oil palm transpiration during ENSO-induced drought in the Brazilian Eastern Amazon. Agricultural Water Management, 2021, 245, 106569.	5.6	12
27	Sensitivity and threshold dynamics ofPinus strobusandQuercusspp. in response to experimental and naturally occurring severe droughts. Tree Physiology, 2021, 41, 1819-1835.	3.1	10
28	Forest conversion to silvopasture and open pasture: effects on soil hydraulic properties. Agroforestry Systems, 2020, 94, 869-879.	2.0	9
29	Linking coordinated hydraulic traits to drought and recovery responses in a tropical montane cloud forest. American Journal of Botany, 2019, 106, 1316-1326.	1.7	8
30	Climate consequences of temperate forest conversion to open pasture or silvopasture. Agriculture, Ecosystems and Environment, 2022, 333, 107972.	5.3	6
31	Drought Effects on Tectona grandis Water Regulation Are Mediated by Thinning, but the Effects of Thinning Are Temporary. Frontiers in Forests and Global Change, 2019, 2, .	2.3	4
32	A comprehensive calibration and validation of SWAT-T using local datasets, evapotranspiration and streamflow in a tropical montane cloud forest area with permeable substrate in central Veracruz, Mexico. Journal of Hydrology, 2021, 603, 126781.	5.4	4
33	Differential and dynamic water regulation responses to El NiÃ±o for monospecific and mixed species planted forests. Ecohydrology, 2020, 13, e2238.	2.4	3
34	Emerging issues in tropical ecohydrology preface. Ecohydrology, 2018, 11, e1970.	2.4	2
35	Effects of heater wattage on sap flux density estimates using an improved tree-cut experiment. Tree Physiology, 2019, 39, 679-693.	3.1	2
36	Effect of supplementary irrigation on the transpiration and reproductive development of oil palm trees during the dry season in Tabasco, Mexico. Cahiers Agricultures, 2021, 30, 41.	0.9	0