Arie Staal

List of Publications by Year
in descending order

27 papers	1,476 citations	430874 18 h-index	501196 28 g-index
53 all docs	53 docs citations	53 times ranked	2270 citing authors

#	Article	IF	Citations
1	The global potential of forest restoration for drought mitigation. Environmental Research Letters, 2022, 17, 034045.	5.2	14
2	A planetary boundary for green water. Nature Reviews Earth & Environment, 2022, 3, 380-392.	29.7	95
3	Feedback in tropical forests of the Anthropocene. Global Change Biology, 2022, 28, 5041-5061.	9.5	12
4	Empirical pressure-response relations can benefit assessment of safe operating spaces. Nature Ecology and Evolution, 2021, 5, 1078-1079.	7.8	4
5	Modelling nonlinear dynamics of interacting tipping elements on complex networks: the PyCascades package. European Physical Journal: Special Topics, 2021, 230, 3163-3176.	2.6	8
6	Forests buffer against variations in precipitation. Global Change Biology, 2021, 27, 4686-4696.	9.5	39
7	Effects of landâ€use change in the Amazon on precipitation are likely underestimated. Global Change Biology, 2021, 27, 5580-5587.	9.5	25
8	Climate change and deforestation increase the vulnerability of Amazonian forests to postâ€fire grass invasion. Global Ecology and Biogeography, 2021, 30, 2368-2381.	5.8	5
9	Comparing deuterium excess to large-scale precipitation recycling models in the tropics. Npj Climate and Atmospheric Science, 2021, 4, .	6.8	7
10	Soil erosion as a resilience drain in disturbed tropical forests. Plant and Soil, 2020, 450, 11-25.	3.7	43
11	Hysteresis of tropical forests in the 21st century. Nature Communications, 2020, 11, 4978.	12.8	87
12	Tracking the global flows of atmospheric moisture and associated uncertainties. Hydrology and Earth System Sciences, 2020, 24, 2419-2435.	4.9	40
13	Feedback between drought and deforestation in the Amazon. Environmental Research Letters, 2020, 15, 044024.	5.2	102
14	Dynamics of tipping cascades on complex networks. Physical Review E, 2020, 101, 042311.	2.1	24
15	How motifs condition critical thresholds for tipping cascades in complex networks: Linking micro- to macro-scales. Chaos, 2020, 30, 043129.	2.5	18
16	High-resolution global atmospheric moisture connections from evaporation to precipitation. Earth System Science Data, 2020, 12, 3177-3188.	9.9	40
17	Livestock Herbivory Shapes Fire Regimes and Vegetation Structure Across the Global Tropics. Ecosystems, 2019, 22, 1457-1465.	3.4	17
18	Remotely sensed canopy height reveals three pantropical ecosystem states: reply. Ecology, 2018, 99, 235-237.	3.2	2

#	Article	IF	Citations
19	Forest-rainfall cascades buffer against drought across the Amazon. Nature Climate Change, 2018, 8, 539-543.	18.8	191
20	Resilience of tropical tree cover: The roles of climate, fire, and herbivory. Global Change Biology, 2018, 24, 5096-5109.	9.5	43
21	Fire forbids fifty-fifty forest. PLoS ONE, 2018, 13, e0191027.	2.5	42
22	Self-amplified Amazon forest loss due to vegetation-atmosphere feedbacks. Nature Communications, 2017, 8, 14681.	12.8	244
23	What Do You Mean, â€˜Tipping Pointâ€™?. Trends in Ecology and Evolution, 2016, 31, 902-904.	8.7	159
24	Bistability, Spatial Interaction, and the Distribution of Tropical Forests and Savannas. Ecosystems, 2016, 19, 1080-1091.	3.4	63
25	Remotely sensed canopy height reveals three pantropical ecosystem states. Ecology, 2016, 97, 2518-2521.	3.2	47
26	Sharp ecotones spark sharp ideas: comment on "Structural, physiognomic and above-ground biomass variation in savannaâ€“forest transition zones on three continents â€“ how different are co-occurring savanna and forest formations?" by Veenendaal et al. (2015). Biogeosciences, 2015, 12, 5563-5566.	3.3	30
27	Synergistic effects of drought and deforestation on the resilience of the south-eastern Amazon rainforest. Ecological Complexity, 2015, 22, 65-75.	2.9	54