

Arie Staal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/195511/publications.pdf>

Version: 2024-02-01

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	Self-amplified Amazon forest loss due to vegetation-atmosphere feedbacks. <i>Nature Communications</i> , 2017, 8, 14681.	12.8	244
2	Forest-rainfall cascades buffer against drought across the Amazon. <i>Nature Climate Change</i> , 2018, 8, 539-543.	18.8	191
3	What Do You Mean, "Tipping Point"? <i>Trends in Ecology and Evolution</i> , 2016, 31, 902-904.	8.7	159
4	Feedback between drought and deforestation in the Amazon. <i>Environmental Research Letters</i> , 2020, 15, 044024.	5.2	102
5	A planetary boundary for green water. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 380-392.	29.7	95
6	Hysteresis of tropical forests in the 21st century. <i>Nature Communications</i> , 2020, 11, 4978.	12.8	87
7	Bistability, Spatial Interaction, and the Distribution of Tropical Forests and Savannas. <i>Ecosystems</i> , 2016, 19, 1080-1091.	3.4	63
8	Synergistic effects of drought and deforestation on the resilience of the south-eastern Amazon rainforest. <i>Ecological Complexity</i> , 2015, 22, 65-75.	2.9	54
9	Remotely sensed canopy height reveals three pantropical ecosystem states. <i>Ecology</i> , 2016, 97, 2518-2521.	3.2	47
10	Resilience of tropical tree cover: The roles of climate, fire, and herbivory. <i>Global Change Biology</i> , 2018, 24, 5096-5109.	9.5	43
11	Soil erosion as a resilience drain in disturbed tropical forests. <i>Plant and Soil</i> , 2020, 450, 11-25.	3.7	43
12	Fire forbids fifty-fifty forest. <i>PLoS ONE</i> , 2018, 13, e0191027.	2.5	42
13	Tracking the global flows of atmospheric moisture and associated uncertainties. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2419-2435.	4.9	40
14	High-resolution global atmospheric moisture connections from evaporation to precipitation. <i>Earth System Science Data</i> , 2020, 12, 3177-3188.	9.9	40
15	Forests buffer against variations in precipitation. <i>Global Change Biology</i> , 2021, 27, 4686-4696.	9.5	39
16	Sharp ecotones spark sharp ideas: comment on "Structural, physiognomic and above-ground biomass variation in savanna forest transition zones on three continents" how different are co-occurring savanna and forest formations? by Veenendaal et al. (2015). <i>Biogeosciences</i> , 2015, 12, 5563-5566.	3.3	30
17	Effects of land-use change in the Amazon on precipitation are likely underestimated. <i>Global Change Biology</i> , 2021, 27, 5580-5587.	9.5	25
18	Dynamics of tipping cascades on complex networks. <i>Physical Review E</i> , 2020, 101, 042311.	2.1	24

#	ARTICLE	IF	CITATIONS
19	How motifs condition critical thresholds for tipping cascades in complex networks: Linking micro- to macro-scales. <i>Chaos</i> , 2020, 30, 043129.	2.5	18
20	Livestock Herbivory Shapes Fire Regimes and Vegetation Structure Across the Global Tropics. <i>Ecosystems</i> , 2019, 22, 1457-1465.	3.4	17
21	The global potential of forest restoration for drought mitigation. <i>Environmental Research Letters</i> , 2022, 17, 034045.	5.2	14
22	Feedback in tropical forests of the Anthropocene. <i>Global Change Biology</i> , 2022, 28, 5041-5061.	9.5	12
23	Modelling nonlinear dynamics of interacting tipping elements on complex networks: the PyCascades package. <i>European Physical Journal: Special Topics</i> , 2021, 230, 3163-3176.	2.6	8
24	Comparing deuterium excess to large-scale precipitation recycling models in the tropics. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, .	6.8	7
25	Climate change and deforestation increase the vulnerability of Amazonian forests to post-fire grass invasion. <i>Global Ecology and Biogeography</i> , 2021, 30, 2368-2381.	5.8	5
26	Empirical pressure-response relations can benefit assessment of safe operating spaces. <i>Nature Ecology and Evolution</i> , 2021, 5, 1078-1079.	7.8	4
27	Remotely sensed canopy height reveals three pantropical ecosystem states: reply. <i>Ecology</i> , 2018, 99, 235-237.	3.2	2