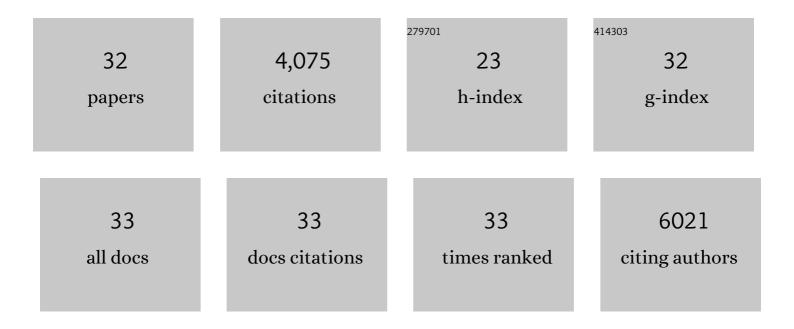
## Sophie Fauset

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9214441/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Long-term decline of the Amazon carbon sink. Nature, 2015, 519, 344-348.	13.7	796
2	Asynchronous carbon sink saturation in African and Amazonian tropical forests. Nature, 2020, 579, 80-87.	13.7	439
3	Compositional response of Amazon forests to climate change. Global Change Biology, 2019, 25, 39-56.	4.2	265
4	Above-ground biomass and structure of 260 African tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120295.	1.8	264
5	Diversity and carbon storage across the tropical forest biome. Scientific Reports, 2017, 7, 39102.	1.6	251
6	Hyperdominance in Amazonian forest carbon cycling. Nature Communications, 2015, 6, 6857.	5.8	214
7	Linking hydraulic traits to tropical forest function in a size-structured and trait-driven model (TFSÂv.1-Hydro). Geoscientific Model Development, 2016, 9, 4227-4255.	1.3	211
8	Droughtâ€induced shifts in the floristic and functional composition of tropical forests in Ghana. Ecology Letters, 2012, 15, 1120-1129.	3.0	205
9	Amazon forest response to repeated droughts. Global Biogeochemical Cycles, 2016, 30, 964-982.	1.9	201
10	Long-term thermal sensitivity of Earth's tropical forests. Science, 2020, 368, 869-874.	6.0	198
11	Variation in stem mortality rates determines patterns of aboveâ€ground biomass in <scp>A</scp> mazonian forests: implications for dynamic global vegetation models. Global Change Biology, 2016, 22, 3996-4013.	4.2	116
12	Carbon uptake by mature Amazon forests has mitigated Amazon nations' carbon emissions. Carbon Balance and Management, 2017, 12, 1.	1.4	98
13	Using repeated small-footprint LiDAR acquisitions to infer spatial and temporal variations of a high-biomass Neotropical forest. Remote Sensing of Environment, 2015, 169, 93-101.	4.6	92
14	Differences in leaf thermoregulation and water use strategies between three coâ€occurring Atlantic forest tree species. Plant, Cell and Environment, 2018, 41, 1618-1631.	2.8	92
15	Drier tropical forests are susceptible to functional changes in response to a longâ€ŧerm drought. Ecology Letters, 2019, 22, 855-865.	3.0	75
16	Evidence for arrested succession in a lianaâ€infested Amazonian forest. Journal of Ecology, 2016, 104, 149-159.	1.9	71
17	Tree mode of death and mortality risk factors across Amazon forests. Nature Communications, 2020, 11, 5515.	5.8	62
18	The global abundance of tree palms. Global Ecology and Biogeography, 2020, 29, 1495-1514.	2.7	62

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#	Article	IF	CITATIONS
19	Long-term droughts may drive drier tropical forests towards increased functional, taxonomic and phylogenetic homogeneity. Nature Communications, 2020, 11, 3346.	5.8	61
20	Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. Ecology, 2020, 101, e03052.	1.5	57
21	Contrasting responses of stomatal conductance and photosynthetic capacity to warming and elevated CO2 in the tropical tree species Alchornea glandulosa under heatwave conditions. Environmental and Experimental Botany, 2019, 158, 28-39.	2.0	47
22	Tropical forest light regimes in a humanâ€modified landscape. Ecosphere, 2017, 8, e02002.	1.0	36
23	Predicting alpha diversity of African rain forests: models based on climate and satellite-derived data do not perform better than a purely spatial model. Journal of Biogeography, 2011, 38, 1164-1176.	1.4	30
24	Amazon tree dominance across forest strata. Nature Ecology and Evolution, 2021, 5, 757-767.	3.4	27
25	Photosynthetic quantum efficiency in <scp>southâ€eastern</scp> Amazonian trees may be already affected by climate change. Plant, Cell and Environment, 2021, 44, 2428-2439.	2.8	22
26	Individual-Based Modeling of Amazon Forests Suggests That Climate Controls Productivity While Traits Control Demography. Frontiers in Earth Science, 2019, 7, .	0.8	19
27	Trees at the Amazonia-Cerrado transition are approaching high temperature thresholds. Environmental Research Letters, 2021, 16, 034047.	2.2	19
28	Water table depth modulates productivity and biomass across Amazonian forests. Global Ecology and Biogeography, 2022, 31, 1571-1588.	2.7	17
29	Causes and consequences of liana infestation in southern Amazonia. Journal of Ecology, 2020, 108, 2184-2197.	1.9	13
30	Thermal safety margins of plant leaves across biomes under a heatwave. Science of the Total Environment, 2022, 806, 150416.	3.9	8
31	A Spatial and Temporal Risk Assessment of the Impacts of El Niño on the Tropical Forest Carbon Cycle: Theoretical Framework, Scenarios, and Implications. Atmosphere, 2019, 10, 588.	1.0	4
32	Modelling Amazonian Carbon Budgets and Vegetation Dynamics in a Changing Climate. Ecological Studies, 2016, , 331-366.	0.4	3