# Susan G Laurance

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3751100/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 143 papers | 19,737 citations | 23567 58 h-index | 12597 132 g-index |
| 150 all docs | 150 docs citations | 150 times ranked | 16750 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tropical tree growth sensitivity to climate is driven by species intrinsic growth rate and leaf traits. Global Change Biology, 2022, 28, 1414-1432. | 9.5 | 16 |
| 2 | Drought reduces the growth and health of tropical rainforest understory plants. Forest Ecology and Management, 2022, 511, 120128. | 3.2 | 5 |
| 3 | Tropical wet and dry forest tree species exhibit contrasting hydraulic architecture. Flora: Morphology, Distribution, Functional Ecology of Plants, 2022, 291, 152072. | 1.2 | 3 |
| 4 | Tropical tree mortality has increased with rising atmospheric water stress. Nature, 2022, 608, 528-533. | 27.8 | 74 |
| 5 | Water table depth modulates productivity and biomass across Amazonian forests. Global Ecology and Biogeography, 2022, 31, 1571-1588. | 5.8 | 17 |
| 6 | Dispersal and recruitment limitations in secondary forests. Journal of Vegetation Science, 2021, 32, . | 2.2 | 18 |
| 7 | Amazon tree dominance across forest strata. Nature Ecology and Evolution, 2021, 5, 757-767. | 7.8 | 27 |
| 8 | The effect of drought on wood-boring in trees and saplings in tropical rainforests. Forest Ecology and Management, 2021, 489, 119078. | 3.2 | 2 |
| 9 | Taking the pulse of Earth's tropical forests using networks of highly distributed plots. Biological Conservation, 2021, 260, 108849. | 4.1 | 71 |
| 10 | Stability of tropical forest tree carbonâ€water relations in a rainfall exclusion treatment through shifts in effective water uptake depth. Global Change Biology, 2021, 27, 6454-6466. | 9.5 | 17 |
| 11 | AusTraits, a curated plant trait database for the Australian flora. Scientific Data, 2021, 8, 254. | 5.3 | 73 |
| 12 | Ecological restoration in Brazilian biomes: Identifying advances and gaps. Forest Ecology and Management, 2020, 458, 117802. | 3.2 | 87 |
| 13 | How do herbivorous insects respond to drought stress in trees?. Biological Reviews, 2020, 95, 434-448. | 10.4 | 114 |
| 14 | Tree mode of death and mortality risk factors across Amazon forests. Nature Communications, 2020, 11, 5515. | 12.8 | 62 |
| 15 | Enhancing Plant Diversity in Secondary Forests. Frontiers in Forests and Global Change, 2020, 3, . | 2.3 | 8 |
| 16 | The effects of an experimental drought on the ecophysiology and fruiting phenology of a tropical rainforest palm. Journal of Plant Ecology, 2020, 13, 744-753. | 2.3 | 7 |
| 17 | Long-term thermal sensitivity of Earthâ€™s tropical forests. Science, 2020, 368, 869-874. | 12.6 | 198 |
| 18 | Biased-corrected richness estimates for the Amazonian tree flora. Scientific Reports, 2020, 10, 10130. | 3.3 | 53 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Functional trait representation differs between restoration plantings and mature tropical rainforest. Forest Ecology and Management, 2020, 473, 118304. | 3.2 | 14 |
| 20 | Competition influences tree growth, but not mortality, across environmental gradients in Amazonia and tropical Africa. Ecology, 2020, 101, e03052. | 3.2 | 57 |
| 21 | The global abundance of tree palms. Global Ecology and Biogeography, 2020, 29, 1495-1514. | 5.8 | 62 |
| 22 | The intertidal plant communities in northâ€eastern Australia, their carbon stores and vulnerability to extreme climate events. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 2298-2312. | 2.0 | 1 |
| 23 | Evolutionary diversity is associated with wood productivity in Amazonian forests. Nature Ecology and Evolution, 2019, 3, 1754-1761. | 7.8 | 32 |
| 24 | Rarity of monodominance in hyperdiverse Amazonian forests. Scientific Reports, 2019, 9, 13822. | 3.3 | 28 |
| 25 | Supervised versus unâ€supervised classification: A quantitative comparison of plant communities in savanna vegetation. Applied Vegetation Science, 2019, 22, 373. | 1.9 | 4 |
| 26 | Persistent effects of fragmentation on tropical rainforest canopy structure after 20Âyr of isolation. Ecological Applications, 2019, 29, e01952. | 3.8 | 45 |
| 27 | Liana cover in the canopies of rainforest trees is not predicted by local groundâ€based measures. Austral Ecology, 2019, 44, 759-767. | 1.5 | 12 |
| 28 | Elevated temperature and CO2 cause differential growth stimulation and drought survival responses in eucalypt species from contrasting habitats. Tree Physiology, 2019, 39, 1806-1820. | 3.1 | 17 |
| 29 | Compositional response of Amazon forests to climate change. Global Change Biology, 2019, 25, 39-56. | 9.5 | 265 |
| 30 | Threats to Environmentally Sensitive Areas from Peri-Urban Expansion in Mauritius. , 2019, , 213-237. | | 1 |
| 31 | Phylogenetic classification of the worldâ€™s tropical forests. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1837-1842. | 7.1 | 144 |
| 32 | Species Distribution Modelling: Contrasting presence-only models with plot abundance data. Scientific Reports, 2018, 8, 1003. | 3.3 | 113 |
| 33 | Native turncoats and indirect facilitation of species invasions. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20171936. | 2.6 | 18 |
| 34 | An <scp>A</scp>mazonian rainforest and its fragments as a laboratory of global change. Biological Reviews, 2018, 93, 223-247. | 10.4 | 194 |
| 35 | Seasonal patterns in rainforest litterfall: Detecting endogenous and environmental influences from longâ€term sampling. Austral Ecology, 2018, 43, 225-235. | 1.5 | 7 |
| 36 | Rainforest trees respond to drought by modifying their hydraulic architecture. Ecology and Evolution, 2018, 8, 12479-12491. | 1.9 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Panâ€tropical prediction of forest structure from the largest trees. Global Ecology and Biogeography, 2018, 27, 1366-1383. | 5.8 | 78 |
| 38 | Not Everyone Wants Roads: Assessing Indigenous Peopleâ€™s Support for Roads in a Globally Important Tiger Conservation Landscape. Human Ecology, 2018, 46, 909-915. | 1.4 | 9 |
| 39 | When rare species are not important: linking plot-based vegetation classifications and landscape-scale mapping in Australian savanna vegetation. Community Ecology, 2018, 19, 67-76. | 0.9 | 12 |
| 40 | Diversity and carbon storage across the tropical forest biome. Scientific Reports, 2017, 7, 39102. | 3.3 | 251 |
| 41 | Carbon uptake by mature Amazon forests has mitigated Amazon nationsâ€™ carbon emissions. Carbon Balance and Management, 2017, 12, 1. | 3.2 | 98 |
| 42 | Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. Science, 2017, 355, 925-931. | 12.6 | 443 |
| 43 | Spatially explicit estimates of forest carbon emissions, mitigation costs and REDD+ opportunities in Indonesia. Environmental Research Letters, 2017, 12, 044017. | 5.2 | 18 |
| 44 | Optimal climate for large trees at high elevations drives patterns of biomass in remote forests of Papua New Guinea. Global Change Biology, 2017, 23, 4873-4883. | 9.5 | 33 |
| 45 | Forest edge disturbance increases rattan abundance in tropical rain forest fragments. Scientific Reports, 2017, 7, 6071. | 3.3 | 13 |
| 46 | Does soil pyrogenic carbon determine plant functional traits in Amazon Basin forests?. Plant Ecology, 2017, 218, 1047-1062. | 1.6 | 5 |
| 47 | A guide for ecologists: Detecting the role of disease in faunal declines and managing population recovery. Biological Conservation, 2017, 214, 136-146. | 4.1 | 33 |
| 48 | Plant functional groups within a tropical forest exhibit different wood functional anatomy. Functional Ecology, 2017, 31, 582-591. | 3.6 | 27 |
| 49 | Predicted trajectories of tree community change in Amazonian rainforest fragments. Ecography, 2017, 40, 26-35. | 4.5 | 33 |
| 50 | Vegetation and floristics of a lowland tropical rainforest in northeast Australia. Biodiversity Data Journal, 2016, 4, e7599. | 0.8 | 10 |
| 51 | A comparative assessment of the financial costs and carbon benefits of REDD+ strategies in Southeast Asia. Environmental Research Letters, 2016, 11, 114022. | 5.2 | 27 |
| 52 | Incorporating resilience and cost in ecological restoration strategies at landscape scale. Ecology and Society, 2016, 21, . | 2.3 | 12 |
| 53 | Forest age and isolation affect the rate of recovery of plant species diversity and community composition in secondary rain forests in tropical Australia. Journal of Vegetation Science, 2016, 27, 504-514. | 2.2 | 51 |
| 54 | Mosquito communities and disease risk influenced by land use change and seasonality in the Australian tropics. Parasites and Vectors, 2016, 9, 387. | 2.5 | 70 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Evolutionary heritage influences Amazon tree ecology. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161587. | 2.6 | 43 |
| 56 | Soil types influence predictions of soil carbon stock recovery in tropical secondary forests. Forest Ecology and Management, 2016, 376, 74-83. | 3.2 | 39 |
| 57 | An Amazonian Forest and Its Fragments as a Laboratory of Global Change. Ecological Studies, 2016, , 407-440. | 1.2 | 12 |
| 58 | 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. | 9.5 | 116 |
| 59 | Amazon forest response to repeated droughts. Global Biogeochemical Cycles, 2016, 30, 964-982. | 4.9 | 201 |
| 60 | Characteristics of the <scp>P</scp>sidium cattleianum invasion of secondary rainforests. Austral Ecology, 2016, 41, 344-354. | 1.5 | 13 |
| 61 | Tropical forest regeneration following land abandonment is driven by primary rainforest distribution in an old pastoral region. Landscape Ecology, 2016, 31, 601-618. | 4.2 | 59 |
| 62 | Land Use Influences Mosquito Communities and Disease Risk on Remote Tropical Islands: A Case Study Using a Novel Sampling Technique. American Journal of Tropical Medicine and Hygiene, 2016, 94, 314-321. | 1.4 | 21 |
| 63 | Phylogenetic diversity of Amazonian tree communities. Diversity and Distributions, 2015, 21, 1295-1307. | 4.1 | 72 |
| 64 | Environmental gradients and the evolution of successional habitat specialization: a test case with 14 Neotropical forest sites. Journal of Ecology, 2015, 103, 1276-1290. | 4.0 | 50 |
| 65 | A review of the use of direct seeding and seedling plantings in restoration: what do we know and where should we go?. Applied Vegetation Science, 2015, 18, 561-568. | 1.9 | 152 |
| 66 | An estimate of the number of tropical tree species. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7472-7477. | 7.1 | 335 |
| 67 | Peat fires: emissions likely to worsen. Nature, 2015, 527, 305-305. | 27.8 | 4 |
| 68 | Threats to environmentally sensitive areas from peri-urban expansion in Mauritius. Environmental Conservation, 2015, 42, 256-267. | 1.3 | 39 |
| 69 | Hyperdominance in Amazonian forest carbon cycling. Nature Communications, 2015, 6, 6857. | 12.8 | 214 |
| 70 | Long-term decline of the Amazon carbon sink. Nature, 2015, 519, 344-348. | 27.8 | 796 |
| 71 | Estimating the global conservation status of more than 15,000 Amazonian tree species. Science Advances, 2015, 1, e1500936. | 10.3 | 122 |
| 72 | Soil-induced impacts on forest structure drive coarse woody debris stocks across central Amazonia. Plant Ecology and Diversity, 2015, 8, 229-241. | 2.4 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Functional Traits and Water Transport Strategies in Lowland Tropical Rainforest Trees. PLoS ONE, 2015, 10, e0130799. | 2.5 | 34 |
| 74 | Where and How Are Roads Endangering Mammals in Southeast Asia's Forests?. PLoS ONE, 2014, 9, e115376. | 2.5 | 129 |
| 75 | Phylogenetic Impoverishment of Amazonian Tree Communities in an Experimentally Fragmented Forest Landscape. PLoS ONE, 2014, 9, e113109. | 2.5 | 34 |
| 76 | Overcoming the Challenges of Mosquito (Diptera: Culicidae) Sampling in Remote Localities: A Comparison of CO<sub>2</sub>Attractants on Mosquito Communities in Three Tropical Forest Habitats. Journal of Medical Entomology, 2014, 51, 39-45. | 1.8 | 10 |
| 77 | Fast demographic traits promote high diversification rates of Amazonian trees. Ecology Letters, 2014, 17, 527-536. | 6.4 | 63 |
| 78 | Longâ€term changes in liana abundance and forest dynamics in undisturbed Amazonian forests. Ecology, 2014, 95, 1604-1611. | 3.2 | 96 |
| 79 | White possums must stay cool to survive. Nature, 2014, 512, 136-136. | 27.8 | 1 |
| 80 | Identifying Rising Stars in Biology: A Response to Bruna. BioScience, 2014, 64, 169-170. | 4.9 | 3 |
| 81 | Apparent environmental synergism drives the dynamics of Amazonian forest fragments. Ecology, 2014, 95, 3018-3026. | 3.2 | 41 |
| 82 | Shifting dynamics of climate-functional groups in old-growth Amazonian forests. Plant Ecology and Diversity, 2014, 7, 267-279. | 2.4 | 18 |
| 83 | Hyperdominance in the Amazonian Tree Flora. Science, 2013, 342, 1243092. | 12.6 | 873 |
| 84 | Predicting Publication Success for Biologists. BioScience, 2013, 63, 817-823. | 4.9 | 82 |
| 85 | Habitat Fragmentation and Ecological Traits Influence the Prevalence of Avian Blood Parasites in a Tropical Rainforest Landscape. PLoS ONE, 2013, 8, e76227. | 2.5 | 41 |
| 86 | Phylogenetic community structure during succession: Evidence from three Neotropical forest sites. Perspectives in Plant Ecology, Evolution and Systematics, 2012, 14, 79-87. | 2.7 | 89 |
| 87 | Defeating the â€˜resource curseâ€™: Key priorities for conserving Papua New Guineaâ€™s native forests. Biological Conservation, 2012, 151, 35-40. | 4.1 | 22 |
| 88 | Drivers of wetland disturbance and biodiversity impacts on a tropical oceanic island. Biological Conservation, 2012, 149, 136-142. | 4.1 | 19 |
| 89 | Green labelling, sustainability and the expansion of tropical agriculture: Critical issues for certification schemes. Biological Conservation, 2012, 151, 60-64. | 4.1 | 54 |
| 90 | Averting biodiversity collapse in tropical forest protected areas. Nature, 2012, 489, 290-294. | 27.8 | 909 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Recarbonization of the Humid Tropics. , 2012, , 229-252. | | 2 |
| 92 | Effects of landscape disturbance on mosquito community composition in tropical Australia. Journal of Vector Ecology, 2012, 37, 69-76. | 1.0 | 45 |
| 93 | The fate of Amazonian forest fragments: A 32-year investigation. Biological Conservation, 2011, 144, 56-67. | 4.1 | 713 |
| 94 | Gender differences in science: no support for the â€˜Homer Simpson Effectâ€™ among tropical researchers. Trends in Ecology and Evolution, 2011, 26, 262-263. | 8.7 | 8 |
| 95 | Homing in on the â€˜Homer Simpson Effectâ€™: reply to Dugdale et al. Trends in Ecology and Evolution, 2011, 26, 623. | 8.7 | 0 |
| 96 | Unanticipated Effects of Stand Dynamism on Amazonian Tree Diversity. Biotropica, 2010, 42, 429-434. | 1.6 | 9 |
| 97 | Influence of soils and topography on Amazonian tree diversity: a landscape-scale study. Journal of Vegetation Science, 2010, 21, 96-106. | 2.2 | 76 |
| 98 | Habitat fragmentation and the desiccation of forest canopies: A case study from eastern Amazonia. Biological Conservation, 2010, 143, 2763-2769. | 4.1 | 104 |
| 99 | Do species traits determine patterns of wood production in Amazonian forests?. Biogeosciences, 2009, 6, 297-307. | 3.3 | 81 |
| 100 | Longâ€term variation in Amazon forest dynamics. Journal of Vegetation Science, 2009, 20, 323-333. | 2.2 | 96 |
| 101 | 2009 ALWYN GENTRY AWARDS. Biotropica, 2009, 41, 774-775. | 1.6 | 1 |
| 102 | Impacts of roads and linear clearings on tropical forests. Trends in Ecology and Evolution, 2009, 24, 659-669. | 8.7 | 864 |
| 103 | Rainforest fragmentation and the demography of the economically important palm Oenocarpus bacaba in central Amazonia. Plant Ecology, 2008, 199, 209-215. | 1.6 | 11 |
| 104 | Importance of soils, topography and geographic distance in structuring central Amazonian tree communities. Journal of Vegetation Science, 2008, 19, 863-874. | 2.2 | 76 |
| 105 | Longâ€Term Dynamics of a Fragmented Rainforest Mammal Assemblage. Conservation Biology, 2008, 22, 1154-1164. | 4.7 | 35 |
| 106 | Habitat Fragmentation, Variable Edge Effects, and the Landscape-Divergence Hypothesis. PLoS ONE, 2007, 2, e1017. | 2.5 | 335 |
| 107 | Possible Indirect Effects of Mammal Hunting on Dung Beetle Assemblages in Panama. Biotropica, 2007, 39, 141-146. | 1.6 | 89 |
| 108 | RAIN FOREST FRAGMENTATION AND THE PROLIFERATION OF SUCCESSIONAL TREES. Ecology, 2006, 87, 469-482. | 3.2 | 359 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Effects of the Surrounding Matrix on Tree Recruitment in Amazonian Forest Fragments. Conservation Biology, 2006, 20, 853-860. | 4.7 | 73 |
| 110 | The regional variation of aboveground live biomass in old-growth Amazonian forests. Global Change Biology, 2006, 12, 1107-1138. | 9.5 | 497 |
| 111 | Rapid decay of tree-community composition in Amazonian forest fragments. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19010-19014. | 7.1 | 371 |
| 112 | Demographic and lifeâ€history correlates for Amazonian trees. Journal of Vegetation Science, 2005, 16, 625-634. | 2.2 | 61 |
| 113 | Altered Tree Communities in Undisturbed Amazonian Forests: A Consequence of Global Change?1. Biotropica, 2005, 37, 160-162. | 1.6 | 25 |
| 114 | Clearing Width and Movements of Understory Rainforest Birds<sup>1</sup>. Biotropica, 2005, 37, 149-152. | 1.6 | 63 |
| 115 | Late twentieth-century patterns and trends in Amazon tree turnover. , 2005, , 107-128. | | 3 |
| 116 | Demographic and life-history correlates for Amazonian trees. Journal of Vegetation Science, 2005, 16, 625. | 2.2 | 9 |
| 117 | Late twentieth-century trends in tree-community composition in an Amazonian forest. , 2005, , 97-106. | | 1 |
| 118 | Late twentieth-century trends in the biomass of Amazonian forest plots. , 2005, , 129-142. | | 2 |
| 119 | Increasing biomass in Amazonian forest plots. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 353-365. | 4.0 | 405 |
| 120 | Inferred causes of tree mortality in fragmented and intact Amazonian forests. Journal of Tropical Ecology, 2004, 20, 243-246. | 1.1 | 92 |
| 121 | Variation in wood density determines spatial patterns inAmazonian forest biomass. Global Change Biology, 2004, 10, 545-562. | 9.5 | 633 |
| 122 | Effects of Road Clearings on Movement Patterns of Understory Rainforest Birds in Central Amazonia. Conservation Biology, 2004, 18, 1099-1109. | 4.7 | 246 |
| 123 | The above-ground coarse wood productivity of 104 Neotropical forest plots. Global Change Biology, 2004, 10, 563-591. | 9.5 | 436 |
| 124 | Pervasive alteration of tree communities in undisturbed Amazonian forests. Nature, 2004, 428, 171-175. | 27.8 | 243 |
| 125 | Response of tree biomass and wood litter to disturbance in a Central Amazon forest. Oecologia, 2004, 141, 596-611. | 2.0 | 121 |
| 126 | Pattern and process in Amazon tree turnover, 1976â€“2001. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 381-407. | 4.0 | 370 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Inferred longevity of Amazonian rainforest trees based on a long-term demographic study. Forest Ecology and Management, 2004, 190, 131-143. | 3.2 | 142 |
| 128 | RESPONSES OF UNDERSTORY RAIN FOREST BIRDS TO ROAD EDGES IN CENTRAL AMAZONIA. , 2004, 14, 1344-1357. | | 104 |
| 129 | Rain-forest fragmentation and the phenology of Amazonian tree communities. Journal of Tropical Ecology, 2003, 19, 343-347. | 1.1 | 37 |
| 130 | Bandages for Wounded Landscapes: Faunal Corridors and Their Role in Wildlife Conservation in the Americas. Ecological Studies, 2003, , 313-325. | 1.2 | 2 |
| 131 | CHANGES IN GROWTH OF TROPICAL FORESTS: EVALUATING POTENTIAL BIASES. , 2002, 12, 576-587. | | 148 |
| 132 | Ecosystem Decay of Amazonian Forest Fragments: a 22â€Year Investigation. Conservation Biology, 2002, 16, 605-618. | 4.7 | 1,372 |
| 133 | Rainforest fragmentation kills big trees. Nature, 2000, 404, 836-836. | 27.8 | 514 |
| 134 | Relationship between soils and Amazon forest biomass: a landscape-scale study. Forest Ecology and Management, 1999, 118, 127-138. | 3.2 | 351 |
| 135 | Tropical wildlife corridors: use of linear rainforest remnants by arboreal mammals. Biological Conservation, 1999, 91, 231-239. | 4.1 | 118 |
| 136 | Tropical forest fragmentation and greenhouse gas emissions. Forest Ecology and Management, 1998, 110, 173-180. | 3.2 | 124 |
| 137 | Changes in the Carbon Balance of Tropical Forests: Evidence from Long-Term Plots. , 1998, 282, 439-442. | | 724 |
| 138 | RAIN FOREST FRAGMENTATION AND THE DYNAMICS OF AMAZONIAN TREE COMMUNITIES. Ecology, 1998, 79, 2032-2040. | 3.2 | 609 |
| 139 | Effects of Forest Fragmentation on Recruitment Patterns in Amazonian Tree Communities. Conservation Biology, 1998, 12, 460-464. | 4.7 | 61 |
| 140 | Effects of Forest Fragmentation on Recruitment Patterns in Amazonian Tree Communities. Conservation Biology, 1998, 12, 460-464. | 4.7 | 226 |
| 141 | Rain Forest Fragmentation and the Dynamics of Amazonian Tree Communities. Ecology, 1998, 79, 2032. | 3.2 | 38 |
| 142 | Biomass Collapse in Amazonian Forest Fragments. Science, 1997, 278, 1117-1118. | 12.6 | 580 |
| 143 | Responses of Five Arboreal Marsupials to Recent Selective Logging in Tropical Australia. Biotropica, 1996, 28, 310. | 1.6 | 57 |