

# Sarayudh Bunyavejchewin

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

8,000  
citations

94381

37  
h-index

95218

68  
g-index

69  
all docs

69  
docs citations

69  
times ranked

9909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial Patterns in the Distribution of Tropical Tree Species. <i>Science</i> , 2000, 288, 1414-1418.	6.0	966
2	Averting biodiversity collapse in tropical forest protected areas. <i>Nature</i> , 2012, 489, 290-294.	13.7	909
3	Rate of tree carbon accumulation increases continuously with tree size. <i>Nature</i> , 2014, 507, 90-93.	13.7	663
4	CTFS ForestGEO: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	4.2	473
5	An estimate of the number of tropical tree species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7472-7477.	3.3	335
6	Global importance of large-diameter trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 849-864.	2.7	330
7	Testing metabolic ecology theory for allometric scaling of tree size, growth and mortality in tropical forests. <i>Ecology Letters</i> , 2006, 9, 575-588.	3.0	280
8	Scale-dependent relationships between tree species richness and ecosystem function in forests. <i>Journal of Ecology</i> , 2013, 101, 1214-1224.	1.9	265
9	Decomposition in tropical forests: a pan-tropical study of the effects of litter type, litter placement and mesofaunal exclusion across a precipitation gradient. <i>Journal of Ecology</i> , 2009, 97, 801-811.	1.9	256
10	Plant diversity increases with the strength of negative density dependence at the global scale. <i>Science</i> , 2017, 356, 1389-1392.	6.0	222
11	The Importance of Demographic Niches to Tree Diversity. <i>Science</i> , 2006, 313, 98-101.	6.0	215
12	Soil resources and topography shape local tree community structure in tropical forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122532.	1.2	201
13	DISTURBANCE HISTORY AND HISTORICAL STAND DYNAMICS OF A SEASONAL TROPICAL FOREST IN WESTERN THAILAND. <i>Ecological Monographs</i> , 2005, 75, 317-343.	2.4	193
14	Assessing Evidence for a Pervasive Alteration in Tropical Tree Communities. <i>PLoS Biology</i> , 2008, 6, e45.	2.6	187
15	Comparing tropical forest tree size distributions with the predictions of metabolic ecology and equilibrium models. <i>Ecology Letters</i> , 2006, 9, 589-602.	3.0	170
16	Nonrandom Processes Maintain Diversity in Tropical Forests. <i>Science</i> , 2006, 311, 527-531.	6.0	166
17	The role of desiccation tolerance in determining tree species distributions along the Malay-Thai Peninsula. <i>Functional Ecology</i> , 2008, 22, 221-231.	1.7	158
18	Long-term increases in intrinsic water-use efficiency do not lead to increased stem growth in a tropical monsoon forest in western Thailand. <i>Global Change Biology</i> , 2011, 17, 1049-1063.	4.2	135

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19	Temperature and rainfall strongly drive temporal growth variation in Asian tropical forest trees. <i>Oecologia</i> , 2014, 174, 1449-1461.	0.9	122
20	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021, 253, 108907.	1.9	122
21	Temporal variability of forest communities: empirical estimates of population change in 4000 tree species. <i>Ecology Letters</i> , 2014, 17, 855-865.	3.0	115
22	Deciduousness in a seasonal tropical forest in western Thailand: interannual and intraspecific variation in timing, duration and environmental cues. <i>Oecologia</i> , 2008, 155, 571-582.	0.9	106
23	Habitat filtering across tree life stages in tropical forest communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130548.	1.2	101
24	Loss of animal seed dispersal increases extinction risk in a tropical tree species due to pervasive negative density dependence across life stages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142095.	1.2	93
25	Local spatial structure of forest biomass and its consequences for remote sensing of carbon stocks. <i>Biogeosciences</i> , 2014, 11, 6827-6840.	1.3	89
26	Variability in solar radiation and temperature explains observed patterns and trends in tree growth rates across four tropical forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3923-3931.	1.2	75
27	Wood density and its radial variation in six canopy tree species differing in shade-tolerance in western Thailand. <i>Annals of Botany</i> , 2009, 104, 297-306.	1.4	72
28	Spatial distribution patterns of the dominant canopy dipterocarp species in a seasonal dry evergreen forest in western Thailand. <i>Forest Ecology and Management</i> , 2003, 175, 87-101.	1.4	70
29	Spatial and temporal variation in soil respiration in a seasonally dry tropical forest, Thailand. <i>Journal of Tropical Ecology</i> , 2009, 25, 531-539.	0.5	52
30	Habitat differentiation of Lauraceae species in a tropical lower montane forest in northern Thailand. <i>Ecological Research</i> , 2003, 18, 1-14.	0.7	49
31	Suppression, release and canopy recruitment in five tree species from a seasonal tropical forest in western Thailand. <i>Journal of Tropical Ecology</i> , 2006, 22, 521-529.	0.5	47
32	No evidence for consistent long-term growth stimulation of 13 tropical tree species: results from tree-ring analysis. <i>Global Change Biology</i> , 2015, 21, 3762-3776.	4.2	47
33	Joint effects of climate, tree size, and year on annual tree growth derived from tree-ring records of ten globally distributed forests. <i>Global Change Biology</i> , 2022, 28, 245-266.	4.2	46
34	The importance of long-distance seed dispersal for the demography and distribution of a canopy tree species. <i>Ecology</i> , 2014, 95, 952-962.	1.5	44
35	Climate sensitive size-dependent survival in tropical trees. <i>Nature Ecology and Evolution</i> , 2018, 2, 1436-1442.	3.4	41
36	The role of gap phase processes in the biomass dynamics of tropical forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2857-2864.	1.2	40

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37	Understanding recruitment failure in tropical tree species: Insights from a tree-ring study. <i>Forest Ecology and Management</i> , 2014, 312, 108-116.	1.4	37
38	Fire behavior and fire effects across the forest landscape of continental Southeast Asia. , 2009, , 311-334.		36
39	Cross-continental comparisons of butterfly assemblages in tropical rainforests: implications for biological monitoring. <i>Insect Conservation and Diversity</i> , 2013, 6, 223-233.	1.4	36
40	The impacts of large-scale, low-intensity fires on the forests of continental South-east Asia. <i>International Journal of Wildland Fire</i> , 2008, 17, 782.	1.0	34
41	The neglected tool in the Bayesian ecologist's shed: a case study testing informative priors' effect on model accuracy. <i>Ecology and Evolution</i> , 2015, 5, 102-108.	0.8	34
42	Structure and dynamics in seasonal dry evergreen forest in northeastern Thailand. <i>Journal of Vegetation Science</i> , 1999, 10, 787-792.	1.1	31
43	Patterns of nitrogen-fixing tree abundance in forests across Asia and America. <i>Journal of Ecology</i> , 2019, 107, 2598-2610.	1.9	29
44	Coordination of foliar and wood anatomical traits contributes to tropical tree distributions and productivity along the Malay-Thai Peninsula. <i>American Journal of Botany</i> , 2009, 96, 2214-2223.	0.8	28
45	The interspecific growth-mortality trade-off is not a general framework for tropical forest community structure. <i>Nature Ecology and Evolution</i> , 2021, 5, 174-183.	3.4	27
46	Disturbance History of a Seasonal Tropical Forest in Western Thailand: A Spatial Dendroecological Analysis. <i>Biotropica</i> , 2013, 45, 578-586.	0.8	24
47	A taxonomic comparison of local habitat niches of tropical trees. <i>Oecologia</i> , 2013, 173, 1491-1498.	0.9	24
48	Phenology of a dipterocarp forest with seasonal drought: Insights into the origin of general flowering. <i>Journal of Ecology</i> , 2018, 106, 126-136.	1.9	22
49	Individual tree damage dominates mortality risk factors across six tropical forests. <i>New Phytologist</i> , 2022, 233, 705-721.	3.5	18
50	<sup>15</sup> N in tree rings as a bio-indicator of changing nitrogen cycling in tropical forests: an evaluation at three sites using two sampling methods. <i>Frontiers in Plant Science</i> , 2015, 6, 229.	1.7	16
51	A cross-continental comparison of assemblages of seed- and fruit-feeding insects in tropical rain forests: Faunal composition and rates of attack. <i>Journal of Biogeography</i> , 2018, 45, 1395-1407.	1.4	12
52	Topographic Analysis of a Large-scale Research Plot in Seasonal Dry Evergreen Forest at Huai Kha Khaeng Wildlife Sanctuary, Thailand.. <i>Tropics</i> , 1998, 8, 45-60.	0.2	11
53	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. <i>Ecology Letters</i> , 2020, 23, 160-171.	3.0	11
54	Consistency of demographic trade-offs across 13 (sub)tropical forests. <i>Journal of Ecology</i> , 2022, 110, 1485-1496.	1.9	11

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55	Host specificity and interaction networks of insects feeding on seeds and fruits in tropical rainforests. <i>Oikos</i> , 2021, 130, 1462-1476.	1.2	10
56	Phylogenetic turnover along local environmental gradients in tropical forest communities. <i>Oecologia</i> , 2016, 182, 547-557.	0.9	9
57	Response to Comment on "Plant diversity increases with the strength of negative density dependence at the global scale". <i>Science</i> , 2018, 360, .	6.0	9
58	Variation in trunk taper of buttressed trees within and among five lowland tropical forests. <i>Biotropica</i> , 2021, 53, 1442-1453.	0.8	8
59	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. <i>Global Change Biology</i> , 2022, 28, 2895-2909.	4.2	8
60	Disentangling fire intensity and species' susceptibility to fire in a species-rich seasonal tropical forest. <i>Journal of Ecology</i> , 2020, 108, 1664-1676.	1.9	7
61	Stoichiometry of cationic nutrients in Phaeozems derived from skarn and Acrisols from other parent materials in lowland forests of Thailand. <i>Geoderma Regional</i> , 2018, 12, 1-9.	0.9	6
62	Response to Comment on "Plant diversity increases with the strength of negative density dependence at the global scale". <i>Science</i> , 2018, 360, .	6.0	6
63	Complex Historical Disturbance Regimes Shape Forest Dynamics Across a Seasonal Tropical Landscape in Western Thailand. <i>Ecological Studies</i> , 2017, , 75-96.	0.4	5
64	Insect assemblages attacking seeds and fruits in a rainforest in Thailand. <i>Entomological Science</i> , 2019, 22, 137-150.	0.3	4
65	Natural disturbance and soils drive diversity and dynamics of seasonal dipterocarp forest in Southern Thailand. <i>Journal of Tropical Ecology</i> , 2019, 35, 95-107.	0.5	3
66	The insect-focused classification of fruit syndromes in tropical rain forests: An intercontinental comparison. <i>Biotropica</i> , 2019, 51, 39-49.	0.8	2
67	Effects of fire disturbance on species and functional compositions vary with tree sizes in a tropical dry forest. <i>PeerJ</i> , 2022, 10, e13270.	0.9	2
68	Fire Impacts on Recruitment Dynamics in a Seasonal Tropical Forest in Continental Southeast Asia. <i>Forests</i> , 2022, 13, 116.	0.9	1