

Tanaka Kenzo

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,724
citations

279798
23
h-index

197818
49
g-index

60
all docs

60
docs citations

60
times ranked

5493
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	Isotopic evidence for oligotrophication of terrestrial ecosystems. <i>Nature Ecology and Evolution</i> , 2018, 2, 1735-1744.	7.8	138
3	Changes in photosynthesis and leaf characteristics with tree height in five dipterocarp species in a tropical rain forest. <i>Tree Physiology</i> , 2006, 26, 865-873.	3.1	131
4	BAAD: a Biomass And Allometry Database for woody plants. <i>Ecology</i> , 2015, 96, 1445-1445.	3.2	122
5	Development of allometric relationships for accurate estimation of above- and below-ground biomass in tropical secondary forests in Sarawak, Malaysia. <i>Journal of Tropical Ecology</i> , 2009, 25, 371-386.	1.1	86
6	Height-related changes in leaf photosynthetic traits in diverse Bornean tropical rain forest trees. <i>Oecologia</i> , 2015, 177, 191-202.	2.0	85
7	Are stored carbohydrates necessary for seed production in temperate deciduous trees?. <i>Journal of Ecology</i> , 2013, 101, 525-531.	4.0	74
8	Ecological distribution of homobaric and heterobaric leaves in tree species of Malaysian lowland tropical rainforest. <i>American Journal of Botany</i> , 2007, 94, 764-775.	1.7	67
9	Allometric equations for accurate estimation of above-ground biomass in logged-over tropical rainforests in Sarawak, Malaysia. <i>Journal of Forest Research</i> , 2009, 14, 365-372.	1.4	67
10	Interspecific variation of photosynthesis and leaf characteristics in canopy trees of five species of Dipterocarpaceae in a tropical rain forest. <i>Tree Physiology</i> , 2004, 24, 1187-1192.	3.1	64
11	Changes in above- and belowground biomass in early successional tropical secondary forests after shifting cultivation in Sarawak, Malaysia. <i>Forest Ecology and Management</i> , 2010, 260, 875-882.	3.2	60
12	Modeling CO ₂ exchange over a Bornean tropical rain forest using measured vertical and horizontal variations in leaf-level physiological parameters and leaf area densities. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	55
13	How does <i>Dryobalanops aromatica</i> supply carbohydrate resources for reproduction in a masting year?. <i>Trees - Structure and Function</i> , 2005, 19, 704-711.	1.9	45
14	Ontogenetic changes in water-use efficiency ($\delta^{13}C$) and leaf traits differ among tree species growing in a semiarid region of the Loess Plateau, China. <i>Forest Ecology and Management</i> , 2010, 259, 953-957.	3.2	34
15	Ecological distribution of leaf stomata and trichomes among tree species in a Malaysian lowland tropical rain forest. <i>Journal of Plant Research</i> , 2016, 129, 625-635.	2.4	34
16	Photosynthetic Activity in Seed Wings of Dipterocarpaceae in a Masting Year: Does Wing Photosynthesis Contribute to Reproduction?. <i>Photosynthetica</i> , 2003, 41, 551-557.	1.7	33
17	Effects of soil compaction on the growth and mortality of planted dipterocarp seedlings in a logged-over tropical rainforest in Sarawak, Malaysia. <i>Forest Ecology and Management</i> , 2013, 310, 770-776.	3.2	33
18	Variations in Leaf Photosynthetic and Morphological Traits with Tree Height in Various Tree Species in a Cambodian Tropical Dry Evergreen Forest. <i>Japan Agricultural Research Quarterly</i> , 2012, 46, 167-180.	0.4	32

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19	Changes in leaf water use after removal of leaf lower surface hairs on <i>Mallotus macrostachyus</i> (Euphorbiaceae) in a tropical secondary forest in Malaysia. Journal of Forest Research, 2008, 13, 137-142.	1.4	29
20	Optimal germination condition by sulfuric acid pretreatment to improve seed germination of <i>Sabina vulgaris</i> Ant.. Journal of Forest Research, 2009, 14, 251-256.	1.4	29
21	Leaf water use in heterobaric and homobaric leafed canopy tree species in a Malaysian tropical rain forest. Photosynthetica, 2015, 53, 177-186.	1.7	29
22	General estimation models for above- and below-ground biomass of teak (<i>Tectona grandis</i>) plantations in Thailand. Forest Ecology and Management, 2020, 457, 117701.	3.2	28
23	Interspecific variation in leaf water use associated with drought tolerance in four emergent dipterocarp species of a tropical rain forest in Borneo. Journal of Forest Research, 2012, 17, 369-377.	1.4	26
24	Effects of rainfall exclusion on leaf gas exchange traits and osmotic adjustment in mature canopy trees of <i>Dryobalanops aromatica</i> (Dipterocarpaceae) in a Malaysian tropical rain forest. Tree Physiology, 2017, 37, 1301-1311.	3.1	25
25	Degradation of soil nutrients and slow recovery of biomass following shifting cultivation in the heath forests of Sarawak, Malaysia. Forest Ecology and Management, 2019, 432, 467-477.	3.2	24
26	Demographic History of <i>Shorea curtisii</i> (Dipterocarpaceae) Inferred from Chloroplast DNA Sequence Variations. Biotropica, 2012, 44, 577-585.	1.6	22
27	Leaf physiological and morphological responses of seven dipterocarp seedlings to degraded forest environments in Sarawak, Malaysia: A case study of forest rehabilitation practice. Tropics, 2007, 17, 1-16.	0.8	21
28	Physiological and morphological differences in the heterophylly of <i>Sabina vulgaris</i> Ant. in the semi-arid environment of Mu Us Desert, Inner Mongolia, China. Journal of Arid Environments, 2010, 74, 43-48.	2.4	21
29	Effects of environmental factors on growth and mortality of <i>Parashorea macrophylla</i> (Dipterocarpaceae) planted on slopes and valleys in a degraded tropical secondary forest in Sarawak, Malaysia. Soil Science and Plant Nutrition, 2013, 59, 218-228.	1.9	19
30	Aboveground and belowground biomass in logged-over tropical rain forests under different soil conditions in Borneo. Journal of Forest Research, 2015, 20, 197-205.	1.4	18
31	Effects of burning strength in shifting cultivation on the early stage of secondary succession in Sarawak, Malaysia. Tropics, 2007, 16, 309-321.	0.8	15
32	Variation in leaf and soil $\delta^{15}\text{N}$ in diverse tree species in a lowland dipterocarp rainforest, Malaysia. Trees - Structure and Function, 2016, 30, 509-522.	1.9	15
33	Plant trait database for <i>Cryptomeria japonica</i> and <i>Chamaecyparis obtusa</i> (SugiHinoki DB): Their physiology, morphology, anatomy and biochemistry. Ecological Research, 2020, 35, 274-275.	1.5	15
34	Leaf Photosynthetic and Growth Responses on Four Tropical Tree Species to Different Light Conditions in Degraded Tropical Secondary Forest, Peninsular Malaysia. Japan Agricultural Research Quarterly, 2008, 42, 299-306.	0.4	14
35	Photosynthetic water use efficiency in tree crowns of <i>Shorea beccariana</i> and <i>Dryobalanops aromatica</i> in a tropical rain forest in Sarawak, East Malaysia. Photosynthetica, 2008, 46, 151-155.	1.7	13
36	Comparison of Wood Density and Water Content Between Dry Evergreen and Dry Deciduous Forest Trees in Central Cambodia. Japan Agricultural Research Quarterly, 2017, 51, 363-374.	0.4	13

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37	Effects of controlled-release fertilizer on growth and ectomycorrhizal colonization of pot-grown seedlings of the dipterocarp <i>Dryobalanops lanceolata</i> in a tropical nursery. Soil Science and Plant Nutrition, 2004, 50, 747-753.	1.9	12
38	Abortion of reproductive organs as an adaptation to fluctuating daily carbohydrate production. Oecologia, 2008, 154, 663-677.	2.0	12
39	Seasonal changes in photosynthesis and starch content in Japanese fir (<i>Abies firma</i> Sieb. et Zucc.) saplings under different levels of irradiance. Trees - Structure and Function, 2018, 32, 429-439.	1.9	11
40	Overlapping flowering periods among <i>Shorea</i> species and high growth performance of hybrid seedlings promote hybridization and introgression in a tropical rainforest of Singapore. Forest Ecology and Management, 2019, 435, 38-44.	3.2	11
41	Seasonal and height-related changes in leaf morphological and photosynthetic traits of two dipterocarp species in a dry deciduous forest in Cambodia. Plant Ecology and Diversity, 2016, 9, 505-520.	2.4	9
42	Morphological and physicochemical traits of leaves of different life-forms of various broadleaf woody plants in interior Alaska. Canadian Journal of Forest Research, 2016, 46, 1475-1482.	1.7	9
43	Variability in the growth rates and foliage $\delta^{15}N$ values of black spruce trees across a slope gradient in the Alaskan Interior. Canadian Journal of Forest Research, 2016, 46, 1483-1490.	1.7	9
44	Chemical Composition of Desert Willow (<i>Salix psammophila</i>) Grown in the Kubuqi Desert, Inner Mongolia, China: Bark Extracts Associated with Environmental Adaptability. Journal of Agricultural and Food Chemistry, 2013, 61, 12226-12231.	5.2	8
45	Growth performance and leaf ecophysiological traits in three <i>Aquilaria</i> species in Malaysia. New Forests, 2019, 50, 699-715.	1.7	8
46	Ontogenetic Changes in Carbohydrate Storage and Sprouting Ability in Pioneer Tree Species in Peninsular Malaysia. Biotropica, 2013, 45, 427-433.	1.6	7
47	Vertical distribution of radiocesium concentrations among crown positions and year-to-year variation in four major tree species after the Fukushima Daiichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2020, 225, 106447.	1.7	7
48	Change in biomass of symbiotic ants throughout the ontogeny of a myrmecophyte, <i>Macaranga beccariana</i> (Euphorbiaceae). Journal of Plant Research, 2013, 126, 73-79.	2.4	6
49	Growth and survival of hybrid dipterocarp seedlings in a tropical rain forest fragment in Singapore. Plant Ecology and Diversity, 2016, 9, 447-457.	2.4	6
50	Effects of Throughfall Exclusion on Photosynthetic Traits in Mature Japanese Cedar (<i>Cryptomeria japonica</i>) Trees. Journal of the Japanese Forest Society, 2020, 102, 7-14.	2.1	6
51	Relationship between Projected Shoot Area and Projected Needle Area in <i>Cryptomeria japonica</i> ; D. Don Trees. Journal of the Japanese Forest Society, 2020, 102, 7-14.	0.2	6
52	Verification of the accuracy of the recent 50 years of tree growth and long-term change in intrinsic water-use efficiency using xylem $\delta^{14}C$ and $\delta^{13}C$ in trees in an aseasonal tropical rainforest. Methods in Ecology and Evolution, 2022, 13, 1135-1147.	5.2	6
53	Seasonal changes in radiocesium and potassium concentrations in current-year shoots of saplings of three tree species in Fukushima, Japan. Journal of Environmental Radioactivity, 2020, 223-224, 106409.	1.7	5
54	Verification of our empirical understanding of the physiology and ecology of two contrasting plantation species using a trait database. PLoS ONE, 2021, 16, e0254599.	2.5	5

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55	Drainage effects on leaf traits of trees in tropical peat swamp forests in Central Kalimantan, Indonesia. <i>Tropics</i> , 2019, 28, 1-11.	0.8	3
56	Artificial shade shelters mitigate harsh microclimate conditions and enhance growth in tropical tree seedlings planted in degraded land. <i>Tropics</i> , 2021, 29, 121-132.	0.8	2
57	Photosynthetic water use efficiency in tree crowns of <i>Shorea beccariana</i> and <i>Dryobalanops aromatica</i> in a tropical rain forest in Sarawak, East Malaysia. <i>Photosynthetica</i> , 2008, 46, 247-247.	1.7	1
58	ROOTING ABILITY OF LEAFY-STEM CUTTINGS OF HYBRID SHOREA (DIPTEROCARPACEAE). <i>Journal of Tropical Forest Science</i> , 2019, 31, 324-331.	0.2	1
59	Genetic Diversity and Structure of <i>Quercus hondae</i> , a Rare Evergreen Oak Species in Southwestern Japan. <i>Forests</i> , 2022, 13, 579.	2.1	0