

# Tomoaki Ichie

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

2,701  
citations

257450

24  
h-index

197818

49  
g-index

59  
all docs

59  
docs citations

59  
times ranked

5328  
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	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
3	BAAD: a Biomass And Allometry Database for woody plants. <i>Ecology</i> , 2015, 96, 1445-1445.	3.2	122
4	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
5	Height-related changes in leaf photosynthetic traits in diverse Bornean tropical rain forest trees. <i>Oecologia</i> , 2015, 177, 191-202.	2.0	85
6	Plant–soil interactions maintain biodiversity and functions of tropical forest ecosystems. <i>Ecological Research</i> , 2018, 33, 149-160.	1.5	81
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	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
10	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
11	Water cycling in a Bornean tropical rain forest under current and projected precipitation scenarios. <i>Water Resources Research</i> , 2004, 40, .	4.2	59
12	Modeling CO <sub>2</sub> 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	Dynamics of mineral nutrient storage for mast reproduction in the tropical emergent tree <i>Dryobalanops aromatica</i> . <i>Ecological Research</i> , 2013, 28, 151-158.	1.5	54
14	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
15	Unravelling proximate cues of mass flowering in the tropical forests of South-East Asia from gene expression analyses. <i>Molecular Ecology</i> , 2017, 26, 5074-5085.	3.9	44
16	8 million phenological and sky images from 29 ecosystems from the Arctic to the tropics: the Phenological Eyes Network. <i>Ecological Research</i> , 2018, 33, 1091-1092.	1.5	37
17	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
18	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

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19	Carbon and water cycling in a Bornean tropical rainforest under current and future climate scenarios. <i>Advances in Water Resources</i> , 2004, 27, 1135-1150.	3.8	31
20	Seeing the fruit for the trees in Borneo. <i>Conservation Letters</i> , 2011, 4, 184-191.	5.7	31
21	Short-term drought causes synchronous leaf shedding and flushing in a lowland mixed dipterocarp forest, Sarawak, Malaysia. <i>Journal of Tropical Ecology</i> , 2004, 20, 697-700.	1.1	30
22	Utilization of seed reserves during germination and early seedling growth by <i>Dryobalanops lanceolata</i> (Dipterocarpaceae). <i>Journal of Tropical Ecology</i> , 2001, 17, 371-378.	1.1	29
23	Leaf water use in heterobaric and homobaric leafed canopy tree species in a Malaysian tropical rain forest. <i>Photosynthetica</i> , 2015, 53, 177-186.	1.7	29
24	Influence of leaf trichomes on boundary layer conductance and gas exchange characteristics in <i>Metrosideros polymorpha</i> (Myrtaceae). <i>Biotropica</i> , 2017, 49, 482-492.	1.6	28
25	Interspecific variation in leaf water use associated with drought tolerance in four emergent dipterocarp species of a tropical rain forest in Borneo. <i>Journal of Forest Research</i> , 2012, 17, 369-377.	1.4	26
26	Resource allocation to reproductive organs during masting in the tropical emergent tree, <i>Dipterocarpus tempehes</i> . <i>Journal of Tropical Ecology</i> , 2005, 21, 237-241.	1.1	25
27	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. <i>Tree Physiology</i> , 2017, 37, 1301-1311.	3.1	25
28	The Use of a Portable Non-Destructive Type Nitrogen Meter for Leaves of Woody Plants in Field Studies. <i>Photosynthetica</i> , 2002, 40, 289-292.	1.7	24
29	Usability of time-lapse digital camera images to detect characteristics of tree phenology in a tropical rainforest. <i>Ecological Informatics</i> , 2016, 32, 91-106.	5.2	23
30	Leaf physiological and morphological responses of seven dipterocarp seedlings to degraded forest environments in Sarawak, Malaysia: A case study of forest rehabilitation practice. <i>Tropics</i> , 2007, 17, 1-16.	0.8	21
31	Beta-diversity of lepidopteran larval communities in a Japanese temperate forest: effects of phenology and tree species. <i>Ecological Research</i> , 2008, 23, 179-187.	1.5	21
32	Seasonality in light-attracted chrysomelid populations in a Bornean rainforest. <i>Insect Conservation and Diversity</i> , 2010, 3, 266-277.	3.0	20
33	Comparison of lepidopteran larval communities among tree species in a temperate deciduous forest, Japan. <i>Ecological Entomology</i> , 2007, 32, 613-620.	2.2	19
34	Variation in leaf and soil $\delta^{15}N$ in diverse tree species in a lowland dipterocarp rainforest, Malaysia. <i>Trees - Structure and Function</i> , 2016, 30, 509-522.	1.9	15
35	Reproductive success and distance to conspecific adults in the sparsely distributed tree <i>Kalopanax pictus</i> . <i>Journal of Plant Research</i> , 2006, 119, 195-203.	2.4	13
36	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, 151-155.	1.7	13

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37	Usability of noise-free daily satellite-observed green/red vegetation index values for monitoring ecosystem changes in Borneo. <i>International Journal of Remote Sensing</i> , 2014, 35, 7910-7926.	2.9	13
38	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. <i>Forest Ecology and Management</i> , 2019, 435, 38-44.	3.2	11
39	Limited stomatal regulation of the largest-size class of <i>Dryobalanops aromatica</i> in a Bornean tropical rainforest in response to artificial soil moisture reduction. <i>Journal of Plant Research</i> , 2020, 133, 175-191.	2.4	10
40	Accurate estimation of nitrogen concentration in deciduous tree leaves in a field study using a portable non-destructive nitrogen detector. <i>Journal of Plant Physiology</i> , 2006, 163, 680-683.	3.5	9
41	Mass flowering of <i>Fagus crenata</i> does not depend on the amount of stored carbohydrates in trees. <i>Trees - Structure and Function</i> , 2019, 33, 1399-1408.	1.9	9
42	Relationship between leaf flushing phenology and defensive traits of canopy trees of five dipterocarp species in a tropical rain forest. <i>Tropics</i> , 2019, 27, 67-79.	0.8	8
43	Mangrove crab intestine and habitat sediment microbiomes cooperatively work on carbon and nitrogen cycling. <i>PLoS ONE</i> , 2021, 16, e0261654.	2.5	8
44	Ontogenetic Changes in Carbohydrate Storage and Sprouting Ability in Pioneer Tree Species in Peninsular Malaysia. <i>Biotropica</i> , 2013, 45, 427-433.	1.6	7
45	Change in biomass of symbiotic ants throughout the ontogeny of a myrmecophyte, <i>Macaranga beccariana</i> (Euphorbiaceae). <i>Journal of Plant Research</i> , 2013, 126, 73-79.	2.4	6
46	Growth and survival of hybrid dipterocarp seedlings in a tropical rain forest fragment in Singapore. <i>Plant Ecology and Diversity</i> , 2016, 9, 447-457.	2.4	6
47	Verification of the accuracy of the recent 50 years of tree growth and long-term change in intrinsic water-use efficiency using xylem $\delta^{13}C$ and $\delta^{18}O$ in trees in an aseasonal tropical rainforest. <i>Methods in Ecology and Evolution</i> , 2022, 13, 1135-1147.	5.2	6
48	Seasonal Change of General Meteorological Factors in the North Borneo. <i>Suimon Mizu Shigen Gakkaishi</i> , 2006, 19, 95-107.	0.1	3
49	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
50	Evaluating the soil microbe community-level physiological profile using EcoPlate and soil properties at 33 forest sites across Japan. <i>Ecological Research</i> , 0, , .	1.5	2
51	Effects of Climate on the Radial Growth of Japanese beech (<i>Fagus crenata</i>) at Various Sites in Japan. <i>Mokuzai Gakkai Shi</i> , 2018, 64, 171-186.	0.2	1
52	Light Environment Analysis in Tropical Rainforest by LAI and PAR Vertical Profile Measurements. <i>Journal of the Japan Society of Photogrammetry and Remote Sensing</i> , 2008, 47, 15-22.	0.0	1
53	ã,ãf'ãf«ã,®Bruguiera gymnorhiza ã®ã®ÿç"ÿã®ã^æœÿæ^é..ã«ãã,,ã®ã†èfŽç"ÿç"®ã†...è2`è"µéŠã^†ã®ã^©ç"æ¶^è2ø.ãTropics,12000,9,1		
54	ROOTING ABILITY OF LEAFY-STEM CUTTINGS OF HYBRID SHOREA (DIPTEROCARPACEAE). <i>Journal of Tropical Forest Science</i> , 2019, 31, 324-331.	0.2	1

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55	Effects of Environmental Conditions on the Survival and Growth of Seedlings and Small- and Medium-sized Trees of Japanese Cedar (Yanase-sugi) in Senbonyama Gene Preservation Forest. <i>Journal of the Japanese Forest Society</i> , 2020, 102, 239-243.	0.2	1
56	Water uptake patterns of tropical canopy trees in Borneo: Species-specific and temporal variation and relationships with aboveground traits. <i>Tree Physiology</i> , 0, , .	3.1	1
57	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