Nobuaki Tanaka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3323143/publications.pdf

Version: 2024-02-01

		394421	330143
44	1,417	19	37
papers	citations	h-index	g-index

44	44	44	2042
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The landâ€“atmosphere water flux in the tropics. Global Change Biology, 2009, 15, 2694-2714.	9.5	198
2	Do coniferous forests evaporate more water than broad-leaved forests in Japan?. Journal of Hydrology, 2007, 336, 361-375.	5.4	115
3	Impact of soil drought on sap flow and water status of evergreen trees in a tropical monsoon forest in northern Thailand. Forest Ecology and Management, 2007, 238, 220-230.	3.2	109
4	Ten-year evapotranspiration estimates in a Bornean tropical rainforest. Agricultural and Forest Meteorology, 2011, 151, 1183-1192.	4.8	105
5	A review of evapotranspiration estimates from tropical forests in Thailand and adjacent regions. Agricultural and Forest Meteorology, 2008, 148, 807-819.	4.8	102
6	Transpiration peak over a hill evergreen forest in northern Thailand in the late dry season: Assessing the seasonal changes in evapotranspiration using a multilayer model. Journal of Geophysical Research, 2003, 108, .	3.3	86
7	Soil respiration and soil CO2 concentration in a tropical forest, Thailand. Journal of Forest Research, 2004, 9, 75-79.	1.4	75
8	Inter-annual variation in growing season length of a tropical seasonal forest in northern Thailand. Forest Ecology and Management, 2006, 229, 333-339.	3.2	67
9	Throughfall partitioning by trees. Hydrological Processes, 2019, 33, 1698-1708.	2.6	53
10	Environmental control of canopy stomatal conductance in a tropical deciduous forest in northern Thailand. Agricultural and Forest Meteorology, 2015, 202, 1-10.	4.8	52
11	Comparison of conventionally observed interception evaporation in a 100-m2 subplot with that estimated in a 4-ha area of the same Bornean lowland tropical forest. Journal of Hydrology, 2006, 329, 329-349.	5.4	46
12	Comparison of soil moisture dynamics between a tropical rain forest and a tropical seasonal forest in Southeast Asia: Impact of seasonal and yearâ€toâ€year variations in rainfall. Water Resources Research, 2009, 45, .	4.2	45
13	Seasonality of vertically partitioned soil CO2 production in temperate and tropical forest. Journal of Forest Research, 2007, 12, 209-221.	1.4	35
14	Impact of Plant Functional Types on Coherence Between Precipitation and Soil Moisture: A Wavelet Analysis. Geophysical Research Letters, 2017, 44, 12,197.	4.0	31
15	What factors are most influential in governing stemflow production from plantation-grown teak trees?. Journal of Hydrology, 2017, 544, 10-20.	5.4	31
16	Development of a simple forest evapotranspiration model using a process-oriented model as a reference to parameterize data from a wide range of environmental conditions. Ecological Modelling, 2015, 309-310, 93-109.	2.5	27
17	Throughfall under a teak plantation in Thailand: a multifactorial analysis on the effects of canopy phenology and meteorological conditions. International Journal of Biometeorology, 2015, 59, 1145-1156.	3.0	26
18	Relationships between rainfall, fog and throughfall at a hill evergreen forest site in northern Thailand. Hydrological Processes, 2011, 25, 384-391.	2.6	23

#	Article	IF	Citations
19	Interannual variation in transpiration onset and its predictive indicator for a tropical deciduous forest in northern Thailand based on 8â€year sapâ€flow records. Ecohydrology, 2011, 4, 225-235.	2.4	20
20	Changes in groundwater level dynamics after low-impact forest harvesting in steep, small watersheds. Journal of Hydrology, 2010, 385, 120-131.	5.4	18
21	Separating physical and biological controls on longâ€term evapotranspiration fluctuations in a tropical deciduous forest subjected to monsoonal rainfall. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1262-1278.	3.0	18
22	Estimation of canopy water storage capacity from sap flow measurements in a Bornean tropical rainforest. Journal of Hydrology, 2008, 352, 288-295.	5.4	16
23	Inter-annual variation in the response of leaf-out onset to soil moisture increase in a teak plantation in northern Thailand. International Journal of Biometeorology, 2014, 58, 2025-2029.	3.0	16
24	Modeling Seasonal Changes in the Temperature Lapse Rate in a Northern Thailand Mountainous Area. Journal of Applied Meteorology and Climatology, 2010, 49, 1233-1246.	1.5	13
25	Influence of seasonality and climate on captures of wood-boring Coleoptera (Bostrichidae and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 of northern Thailand. Journal of Forest Research, 2020, 25, 223-231.	1.4	12
26	Water budget and the consequent duration of canopy carbon gain in a teak plantation in a dry tropical region: Analysis using a soilâ€“plantâ€“air continuum multilayer model. Ecological Modelling, 2009, 220, 1534-1543.	2.5	11
27	Soil respiration in response to yearâ€toâ€year variations in rainfall in a tropical seasonal forest in northern Thailand. Ecohydrology, 2013, 6, 134-141.	2.4	11
28	Effects of changes in canopy interception on stream runoff response and recovery following clearâ€cutting of a Japanese coniferous forest in Fukuroyamasawa Experimental Watershed in Japan. Hydrological Processes, 2021, 35, e14177.	2.6	7
29	Climate classification of Asian university forests under current and future climate. Journal of Forest Research, 2020, 25, 136-146.	1.4	6
30	A comparison of hydrological characteristics between a cypress and mixed-broadleaf forest: Implication on water resource and floods. Journal of Hydrology, 2021, 595, 125679.	5.4	6
31	Impacts of irrigation on the deciduous period of teak (Tectona grandis) in a monsoonal climate. Canadian Journal of Forest Research, 2017, 47, 1193-1201.	1.7	4
32	Water budget and rainfall to runoff processes in a seasonal tropical watershed in northern Thailand. Hydrological Research Letters, 2017, 11, 149-154.	0.5	4
33	Synthesis of starâ€shaped poly(nâ€butyl acrylate) oligomers with coumarin end groups and their networks for a <scp>UV</scp>â€tunable viscoelastic material. Journal of Polymer Science Part A, 2018, 56, 9-15.	2.3	4
34	Soil erosion and overland flow in Japanese cypress plantations: spatio-temporal variations and a sampling strategy. Hydrological Sciences Journal, 2020, 65, 2322-2335.	2.6	4
35	A comparison of the baseflow recession constant (K) between a Japanese cypress and mixed-broadleaf forest via six estimation methods. Sustainable Water Resources Management, 2021, 7, 1.	2.1	4
36	Earlier Leaf Flush Associated with Increased Teak Defoliation. Forest Science, 2015, 61, 1009-1020.	1.0	3

#	Article	IF	Citations
37	Geographic Factors Explain the Variability of Atmospheric Deposition of Sulfur and Nitrogen onto Coniferous Forests Within and Beyond the Tokyo Metropolis. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	3
38	A Comparison between Wet-only and Bulk Deposition at Two Forest Sites in Japan. Asian Journal of Atmospheric Environment, 2018, 12, 67-77.	1.1	3
39	Seasonality of water and carbon dioxide exchanges at a teak plantation in northern Thailand. Ecohydrology, 2013, 6, 125-133.	2.4	2
40	Wholeâ€tree sap flux in Quercus serrata trees after three levels of partial sapwood removal to simulate Japanese oak wilt. Ecohydrology, 2017, 10, e1797.	2.4	2
41	Absorption and emission of water vapor from the bark of teak (<i>Tectona grandis</i>), a deciduous tree, in a tropical region during the dry season. Hydrological Research Letters, 2021, 15, 58-63.	0.5	2
42	Predicting Hydrographs for an Extremely Large Storm Event Using Tank Models Calibrated by Ordinary Storm Events. Suimon Mizu Shigen Gakkaishi, 2013, 26, 85-98.	0.1	2
43	Increase in stream water nitrate nitrogen concentrations caused by a disturbance to a forested catchment by Japanese oak wilt. Journal of Forest Research, 0, , 1-6.	1.4	0
44	Look my Own Research with Fresh Eyes. Suimon Mizu Shigen Gakkaishi, 2017, 30, 127-127.	0.1	0