Atsuko Sugimoto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3355013/publications.pdf

Version: 2024-02-01

25	1,062	471509	580821
papers	citations	17 h-index	25 g-index

26	26	26	1503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Importance of permafrost as a source of water for plants in east Siberian taiga. Ecological Research, 2002, 17, 493-503.	1.5	190
2	Seasonal course of translocation, storage and remobilization of 13 C pulseâ€labeled photoassimilate in naturally growing Larix gmelinii saplings. New Phytologist, 2006, 171, 793-804.	7.3	158
3	Treeâ€ring analysis and modeling approaches yield contrary response of circumboreal forest productivity to climate change. Global Change Biology, 2017, 23, 5179-5188.	9.5	74
4	Estimation of mean residence times of subsurface waters using seasonal variation in deuterium excess in a small headwater catchment in Japan. Hydrological Processes, 2007, 21, 308-322.	2.6	70
5	Carbon mineralization by termites in tropical forests, with emphasis on fungus combs. Ecological Research, 2005, 20, 453-460.	1.5	67
6	Water sources in semiarid northeast Asia as revealed by field observations and isotope transport model. Journal of Geophysical Research, 2007, 112, .	3.3	54
7	Time lag and negative responses of forest greenness and tree growth to warming over circumboreal forests. Global Change Biology, 2018, 24, 4225-4237.	9.5	53
8	Dynamics of methane in mesotrophic Lake Biwa, Japan. Ecological Research, 2005, 20, 377-385.	1.5	47
9	Effects of extreme drought and wet events for tree mortality: Insights from treeâ€ring width and carbon isotope ratio in a Siberian larch forest. Ecohydrology, 2019, 12, e2143.	2.4	38
10	Seasonal variation in oxygen isotope composition of waters for a montane larch forest in Mongolia. Trees - Structure and Function, 2006, 20, 122-130.	1.9	37
11	Temporal variation of Î´13C of larch leaves from a montane boreal forest in Mongolia. Trees - Structure and Function, 2007, 21, 479-490.	1.9	35
12	Temporal photosynthetic carbon isotope signatures revealed in a tree ring through 13CO2 pulse-labelling. Plant, Cell and Environment, 2005, 28, 906-915.	5.7	34
13	Reconstruction of soil moisture for the past 100 years in eastern Siberia by using Î´¹³C of larch tree rings. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 1256-1265.	3.0	30
14	An extreme flood caused by a heavy snowfall over the Indigirka River basin in Northeastern Siberia. Hydrological Processes, 2020, 34, 522-537.	2.6	27
15	Isotopic composition and origin of snow over Siberia. Journal of Geophysical Research, 2005, 110, .	3.3	24
16	Hydrogen Concentration and Stable Isotopic Composition of Methane in Bubble Gas Observed in a Natural Wetland. Biogeochemistry, 2006, 81, 33-44.	3.5	22
17	Radial Growth and Physiological Response of Coniferous Trees to Arctic Amplification. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2786-2803.	3.0	20
18	Analysis of methane production pathways in a riparian wetland of a temperate forest catchment, using Î´¹³C of pore water CH₄ and CO₂. Journal of Geophysical Research, 2008, 113, .	3.3	14

#	Article	IF	Citations
19	Factors controlling diurnal variation in the isotopic composition of atmospheric water vapour observed in the taiga, eastern Siberia. Hydrological Processes, 2013, 27, 2295-2305.	2.6	14
20	Spatial and temporal variations of stable isotopes in precipitation in midlatitude coastal regions. Hydrological Processes, 2017, 31, 3029-3044.	2.6	14
21	Contribution of transpiration to the atmospheric moisture in eastern Siberia estimated with isotopic composition of water vapour. Ecohydrology, 2014, 7, 197-208.	2.4	13
22	Nitrogen availability in the taiga forest ecosystem of northeastern Siberia. Soil Science and Plant Nutrition, 2013, 59, 427-441.	1.9	10
23	Effect of waterlogging on carbon isotope discrimination during photosynthesis in Larix gmelinii. Isotopes in Environmental and Health Studies, 2018, 54, 63-77.	1.0	8
24	Isotopic compositions of ground ice in near-surface permafrost in relation to vegetation and microtopography at the Taigaâ€“Tundra boundary in the Indigirka River lowlands, northeastern Siberia. PLoS ONE, 2019, 14, e0223720.	2.5	5
25	Effects of snow manipulation on larch trees in the taiga forest ecosystem in northeastern Siberia. Progress in Earth and Planetary Science, 2022, 9, .	3.0	4