Mitsuru Hirota

List of Publications by Year
in descending order

27	1,085	623734	552781
papers	citations	14 h-index	26 g-index

28	28	28	1452
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperature and biomass influences on interannual changes in CO2 exchange in an alpine meadow on the Qinghai-Tibetan Plateau. Global Change Biology, 2006, 12, 1285-1298.	9.5	257
2	Carbon dioxide exchange between the atmosphere and an alpine meadow ecosystem on the Qinghaiâ€“Tibetan Plateau, China. Agricultural and Forest Meteorology, 2004, 124, 121-134.	4.8	165
3	Methane emissions from different vegetation zones in a Qinghai-Tibetan Plateau wetland. Soil Biology and Biochemistry, 2004, 36, 737-748.	8.8	156
4	The roles of microorganisms in litter decomposition and soil formation. Biogeochemistry, 2014, 118, 471-486.	3.5	72
5	Carbon Dioxide Dynamics and Controls in a Deep-water Wetland on the Qinghai-Tibetan Plateau. Ecosystems, 2006, 9, 673-688.	3.4	68
6	Soil organic carbon pools in alpine to nival zones along an altitudinal gradient (4400â€“5300m) on the Tibetan Plateau. Polar Science, 2008, 2, 277-285.	1.2	53
7	Species asynchrony and response diversity determine multifunctional stability of natural grasslands. Journal of Ecology, 2019, 107, 1862-1875.	4.0	51
8	Small-scale variation in ecosystem CO2 fluxes in an alpine meadow depends on plant biomass and species richness. Journal of Plant Research, 2010, 123, 531-541.	2.4	34
9	Strong temperature dependence and no moss photosynthesis in winter CO2 flux for a Kobresia meadow on the Qinghaiâ€“Tibetan plateau. Soil Biology and Biochemistry, 2005, 37, 1966-1969.	8.8	33
10	Use of a regression method to partition sources of ecosystem respiration in an alpine meadow. Soil Biology and Biochemistry, 2009, 41, 663-670.	8.8	33
11	Role of coarse woody debris in the carbon cycle of Takayama forest, central Japan. Ecological Research, 2014, 29, 91-101.	1.5	27
12	Effects of tidal fluctuations on CO2 and CH4 fluxes in the littoral zone of a brackish-water lake. Limnology, 2009, 10, 229-237.	1.5	18
13	Effects of ecological succession on surface mineral horizons in Japanese volcanic ash soil. Geoderma, 2010, 159, 122-130.	5.1	18
14	Carbon cycling and sequestration in a Japanese red pine (Pinus densiflora) forest on lava flow of Mt. Fuji. Ecological Research, 2013, 28, 855-867.	1.5	17
15	Net primary productivity and spatial distribution of vegetation in an alpine wetland, Qinghai-Tibetan Plateau. Limnology, 2007, 8, 161-170.	1.5	13
16	Determination of aquatic humic substances in Japanese lakes and wetlands by the carbon concentration-based resin isolation technique. Limnology, 2016, 17, 1-6.	1.5	10
17	Harmonized data on early stage litter decomposition using tea material across Japan. Ecological Research, 2019, 34, 575-576.	1.5	8
18	Humus composition and humification degree of humic acids of alpine meadow soils in the northeastern part of the Qinghaiâ€“Tibet Plateau. Soil Science and Plant Nutrition, 2019, 65, 11-19.	1.9	8

#	Article	IF	Citations
19	A Spatial Relationship between Canopy and Understory Leaf Area Index in an Old-Growth Cool-Temperate Deciduous Forest. Forests, 2020, 11, 1037.	2.1	8
20	Surrounding pressure controlled by water table alters CO2 and CH4 fluxes in the littoral zone of a brackish-water lake. Applied Soil Ecology, 2011, 47, 160-166.	4.3	7
21	Spatial variation in soil respiration is determined by forest canopy structure through soil water content in a mature beech forest. Forest Ecology and Management, 2021, 501, 119673.	3.2	7
22	Indirect method to estimate convective gas flow through culms of a Phragmites australis stand. Limnology, 2003, 4, 149-153.	1.5	6
23	Responses in gross primary production of Stipa krylovii and Allium polyrhizum to a temporal rainfall in a temperate grassland of Inner Mongolia, China. Journal of Arid Land, 2019, 11, 824-836.	2.3	6
24	Spatial Upscaling of Soil Respiration under a Complex Canopy Structure in an Oldâ€Growth Deciduous Forest, Central Japan. Forests, 2017, 8, 36.	2.1	5
25	Gross primary production of dwarf bamboo, Sasa senanensis, in a mature beech forest with a substantial gap-mosaic structure. Journal of Plant Research, 2021, 134, 209-221.	2.4	3
26	Relationship between Canopy Structure and Community Structure of the Understory Trees in a Beech Forest in Japan. Forests, 2022, 13, 494.	2.1	2
27	Gross Primary Production of Dwarf Bamboo, Sasa senanensis, in Cool-Temperate Secondary Forests with Different Canopy Structures. Forests, 2022, 13, 564.	2.1	0