

# Mitsuru Hirota

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,085  
citations

623734

14  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between Canopy Structure and Community Structure of the Understory Trees in a Beech Forest in Japan. <i>Forests</i> , 2022, 13, 494.	2.1	2
2	Gross Primary Production of Dwarf Bamboo, <i>Sasa senanensis</i> , in Cool-Temperate Secondary Forests with Different Canopy Structures. <i>Forests</i> , 2022, 13, 564.	2.1	0
3	Gross primary production of dwarf bamboo, <i>Sasa senanensis</i> , in a mature beech forest with a substantial gap-mosaic structure. <i>Journal of Plant Research</i> , 2021, 134, 209-221.	2.4	3
4	Spatial variation in soil respiration is determined by forest canopy structure through soil water content in a mature beech forest. <i>Forest Ecology and Management</i> , 2021, 501, 119673.	3.2	7
5	A Spatial Relationship between Canopy and Understory Leaf Area Index in an Old-Growth Cool-Temperate Deciduous Forest. <i>Forests</i> , 2020, 11, 1037.	2.1	8
6	Responses in gross primary production of <i>Stipa krylovii</i> and <i>Allium polyrhizum</i> to a temporal rainfall in a temperate grassland of Inner Mongolia, China. <i>Journal of Arid Land</i> , 2019, 11, 824-836.	2.3	6
7	Harmonized data on early stage litter decomposition using tea material across Japan. <i>Ecological Research</i> , 2019, 34, 575-576.	1.5	8
8	Species asynchrony and response diversity determine multifunctional stability of natural grasslands. <i>Journal of Ecology</i> , 2019, 107, 1862-1875.	4.0	51
9	Humus composition and humification degree of humic acids of alpine meadow soils in the northeastern part of the Qinghai-Tibet Plateau. <i>Soil Science and Plant Nutrition</i> , 2019, 65, 11-19.	1.9	8
10	Spatial Upscaling of Soil Respiration under a Complex Canopy Structure in an Old-Growth Deciduous Forest, Central Japan. <i>Forests</i> , 2017, 8, 36.	2.1	5
11	Determination of aquatic humic substances in Japanese lakes and wetlands by the carbon concentration-based resin isolation technique. <i>Limnology</i> , 2016, 17, 1-6.	1.5	10
12	The roles of microorganisms in litter decomposition and soil formation. <i>Biogeochemistry</i> , 2014, 118, 471-486.	3.5	72
13	Role of coarse woody debris in the carbon cycle of Takayama forest, central Japan. <i>Ecological Research</i> , 2014, 29, 91-101.	1.5	27
14	Carbon cycling and sequestration in a Japanese red pine ( <i>Pinus densiflora</i> ) forest on lava flow of Mt. Fuji. <i>Ecological Research</i> , 2013, 28, 855-867.	1.5	17
15	Surrounding pressure controlled by water table alters CO <sub>2</sub> and CH <sub>4</sub> fluxes in the littoral zone of a brackish-water lake. <i>Applied Soil Ecology</i> , 2011, 47, 160-166.	4.3	7
16	Small-scale variation in ecosystem CO <sub>2</sub> fluxes in an alpine meadow depends on plant biomass and species richness. <i>Journal of Plant Research</i> , 2010, 123, 531-541.	2.4	34
17	Effects of ecological succession on surface mineral horizons in Japanese volcanic ash soil. <i>Geoderma</i> , 2010, 159, 122-130.	5.1	18
18	Use of a regression method to partition sources of ecosystem respiration in an alpine meadow. <i>Soil Biology and Biochemistry</i> , 2009, 41, 663-670.	8.8	33

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19	Effects of tidal fluctuations on CO <sub>2</sub> and CH <sub>4</sub> fluxes in the littoral zone of a brackish-water lake. <i>Limnology</i> , 2009, 10, 229-237.	1.5	18
20	Soil organic carbon pools in alpine to nival zones along an altitudinal gradient (4400–5300m) on the Tibetan Plateau. <i>Polar Science</i> , 2008, 2, 277-285.	1.2	53
21	Net primary productivity and spatial distribution of vegetation in an alpine wetland, Qinghai-Tibetan Plateau. <i>Limnology</i> , 2007, 8, 161-170.	1.5	13
22	Temperature and biomass influences on interannual changes in CO <sub>2</sub> exchange in an alpine meadow on the Qinghai-Tibetan Plateau. <i>Global Change Biology</i> , 2006, 12, 1285-1298.	9.5	257
23	Carbon Dioxide Dynamics and Controls in a Deep-water Wetland on the Qinghai-Tibetan Plateau. <i>Ecosystems</i> , 2006, 9, 673-688.	3.4	68
24	Strong temperature dependence and no moss photosynthesis in winter CO <sub>2</sub> flux for a Kobresia meadow on the Qinghai–Tibetan plateau. <i>Soil Biology and Biochemistry</i> , 2005, 37, 1966-1969.	8.8	33
25	Methane emissions from different vegetation zones in a Qinghai-Tibetan Plateau wetland. <i>Soil Biology and Biochemistry</i> , 2004, 36, 737-748.	8.8	156
26	Carbon dioxide exchange between the atmosphere and an alpine meadow ecosystem on the Qinghai–Tibetan Plateau, China. <i>Agricultural and Forest Meteorology</i> , 2004, 124, 121-134.	4.8	165
27	Indirect method to estimate convective gas flow through culms of a <i>Phragmites australis</i> stand. <i>Limnology</i> , 2003, 4, 149-153.	1.5	6