Ryusuke Hatano

List of Publications by Year
in descending order

185	5,343	94381 37	123376 61
papers	citations	h-index	g-index

192	192	192	5130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantification of compaction effects on soil physical properties and crop growth. Geoderma, 2003, 116, 107-136.	2.3	386
2	Falling atmospheric pressure as a trigger for methane ebullition from peatland. Global Biogeochemical Cycles, 2007, 21, n/a-n/a.	1.9	159
3	Methane emissions from five paddy fields with different amounts of rice straw application in central Hokkaido, Japan. Soil Science and Plant Nutrition, 2007, 53, 95-101.	0.8	137
4	Effect of crop residue C:N ratio on N2O emissions from Gray Lowland soil in Mikasa, Hokkaido, Japan. Soil Science and Plant Nutrition, 2007, 53, 198-205.	0.8	134
5	Soils and sustainable development goals of the United Nations: An International Union of Soil Sciences perspective. Geoderma Regional, 2021, 25, e00398.	0.9	133
6	CO2 emission in a subtropical red paddy soil (Ultisol) as affected by straw and N-fertilizer applications: A case study in Southern China. Agriculture, Ecosystems and Environment, 2009, 131, 292-302.	2.5	132
7	Comparisons of energy balance and evapotranspiration between flooded and aerobic rice fields in the Philippines. Agricultural Water Management, 2011, 98, 1417-1430.	2.4	124
8	Evaluating river water quality through land use analysis and N budget approaches in livestock farming areas. Science of the Total Environment, 2004, 329, 61-74.	3.9	123
9	Methane fluxes from three ecosystems in tropical peatland of Sarawak, Malaysia. Soil Biology and Biochemistry, 2005, 37, 1445-1453.	4.2	120
10	Spatial Variability of Nitrous Oxide Emissions and Their Soilâ€Related Determining Factors in an Agricultural Field. Journal of Environmental Quality, 2003, 32, 1965-1977.	1.0	113
11	Soil CO2 flux from three ecosystems in tropical peatland of Sarawak, Malaysia. Tellus, Series B: Chemical and Physical Meteorology, 2005, 57, 1-11.	0.8	99
12	Soil CO2 flux from three ecosystems in tropical peatland of Sarawak, Malaysia. Tellus, Series B: Chemical and Physical Meteorology, 2005, 57, 1-11.	0.8	89
13	Effects of agricultural land-use change and forest fire on N2O emission from tropical peatlands, Central Kalimantan, Indonesia. Soil Science and Plant Nutrition, 2006, 52, 662-674.	0.8	84
14	A comparison of regression methods for estimating soilâ€“atmosphere diffusion gas fluxes by a closed-chamber technique. Soil Biology and Biochemistry, 2004, 36, 107-113.	4.2	71
15	Evaluation of the effect of morphological features of flow paths on solute transport by using fractal dimensions of methylene blue staining pattern. Geoderma, 1992, 53, 31-44.	2.3	70
16	Episodic release of methane bubbles from peatland during spring thaw. Chemosphere, 2007, 70, 165-171.	4.2	70
17	The effect of manure application on carbon dynamics and budgets in a managed grassland of Southern Hokkaido, Japan. Agriculture, Ecosystems and Environment, 2009, 130, 31-40.	2.5	64
18	Nitrous oxide emissions from three ecosystems in tropical peatland of Sarawak, Malaysia. Soil Science and Plant Nutrition, 2007, 53, 792-805.	0.8	62

#	Article	IF	Citations
19	Comparison of Langmuir and Freundlich adsorption equations within the SWAT-K model for assessing potassium environmental losses at basin scale. Agricultural Water Management, 2017, 180, 205-211.	2.4	59
20	CH₄ and N₂O emissions from a forestâ€ealas ecosystem in the permafrost taiga forest region, eastern Siberia, Russia. Journal of Geophysical Research, 2008, 113, .	3.3	58
21	Using fractal dimensions of stained flow patterns in a clay soil to predict bypass flow. Journal of Hydrology, 1992, 135, 121-131.	2.3	56
22	Measurement and simulation of bypass flow in a structured clay soil: a physico-morphological approach. Journal of Hydrology, 1993, 148, 149-168.	2.3	56
23	Fungal N₂O production in an arable peat soil in Central Kalimantan, Indonesia. Soil Science and Plant Nutrition, 2007, 53, 806-811.	0.8	55
24	Soil Organic Carbon in Sandy Paddy Fields of Northeast Thailand: A Review. Agronomy, 2020, 10, 1061.	1.3	54
25	Relationship between the distribution of soil macropores and root elongation. Soil Science and Plant Nutrition, 1988, 34, 535-546.	0.8	51
26	Managing Soils for Recovering from the COVID-19 Pandemic. Soil Systems, 2020, 4, 46.	1.0	51
27	The fractal dimension of pore distribution patterns in variously-compacted soil. Soil and Tillage Research, 1998, 47, 61-66.	2.6	50
28	Soil respiration in Siberian Taiga ecosystems with different histories of forest fire. Soil Science and Plant Nutrition, 2000, 46, 31-42.	0.8	50
29	Evaluating Stream Water Quality through Land Use Analysis in Two Grassland Catchments. Journal of Environmental Quality, 2006, 35, 617-627.	1.0	49
30	A methanotrophic community in a tropical peatland is unaffected by drainage and forest fires in a tropical peat soil. Soil Science and Plant Nutrition, 2014, 60, 577-585.	0.8	48
31	Effect of chemical fertilizer and manure application on N₂O emission from reed canary grassland in Hokkaido, Japan. Soil Science and Plant Nutrition, 2010, 56, 53-65.	0.8	44
32	Hydrological process controls on nitrogen export during storm events in an agricultural watershed. Soil Science and Plant Nutrition, 2010, 56, 72-85.	0.8	44
33	Nitrous oxide emission derived from soil organic matter decomposition from tropical agricultural peat soil in central Kalimantan, Indonesia. Soil Science and Plant Nutrition, 2011, 57, 436-451.	0.8	43
34	Soil respiration and net ecosystem production in an onion field in Central Hokkaido, Japan. Soil Science and Plant Nutrition, 2004, 50, 27-33.	0.8	42
35	Soil and stream water acidification in a forested catchment in central Japan. Biogeochemistry, 2010, 97, 141-158.	1.7	42
36	Title is missing!. Nutrient Cycling in Agroecosystems, 2002, 63, 239-247.	1.1	41

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37	The effect of organic matter application on carbon sequestration and soil fertility in upland fields of different types of Andosols. Soil Science and Plant Nutrition, 2017, 63, 200-220.	0.8	40
38	Effect of groundwater level fluctuation on soil respiration rate of tropical peatland in Central Kalimantan, Indonesia. Soil Science and Plant Nutrition, 2017, 63, 1-13.	0.8	40
39	Proton Budgets of Forest Ecosystems on Volcanogenous Regosols in Hokkaido, Northern Japan. Water, Air, and Soil Pollution, 1998, 105, 63-72.	1.1	38
40	Influence of forest disturbance on CO₂, CH₄and N₂O fluxes from larch forest soil in the permafrost taiga region of eastern Siberia. Soil Science and Plant Nutrition, 2008, 54, 938-949.	0.8	38
41	CH₄emission from different stages of thermokarst formation in Central Yakutia, East Siberia. Soil Science and Plant Nutrition, 2009, 55, 558-570.	0.8	38
42	Comparison of the closed-chamber and gas concentration gradient methods for measurement of CO₂and N₂O fluxes in two upland field soils. Soil Science and Plant Nutrition, 2008, 54, 777-785.	0.8	37
43	Three years of nitrous oxide and nitric oxide emissions from silandic andosols cultivated with maize in Hokkaido, Japan. Soil Science and Plant Nutrition, 2006, 52, 103-113.	0.8	36
44	Comparison of N2O and CO2concentrations and fluxes in the soil profile between a Gray Lowland soil and an Andosol. Soil Science and Plant Nutrition, 2010, 56, 186-199.	0.8	36
45	The effect of fertilizer and manure application on CH₄and N₂O emissions from managed grasslands in Japan. Soil Science and Plant Nutrition, 2013, 59, 69-86.	0.8	36
46	Annual nitrogen leaching to subsurface drainage water from a clayey aquic soil cultivated with onions in Hokkaido, Japan. Soil Science and Plant Nutrition, 1999, 45, 451-459.	0.8	35
47	Emergence and behaviors of acid-tolerant Janthinobacterium sp. that evolves N2O from deforested tropical peatland. Soil Biology and Biochemistry, 2008, 40, 116-125.	4.2	35
48	High Rate of N 2 Fixation by East Siberian Cryophilic Soil Bacteria as Determined by Measuring Acetylene Reduction in Nitrogen-Poor Medium Solidified with Gellan Gum. Applied and Environmental Microbiology, 2009, 75, 2811-2819.	1.4	35
49	Carbon budget and methane and nitrous oxide emissions over the growing season in a Miscanthus sinensis grassland in Tomakomai, Hokkaido, Japan. GCB Bioenergy, 2011, 3, 116-134.	2.5	34
50	Title is missing!. Nutrient Cycling in Agroecosystems, 2002, 63, 139-149.	1.1	32
51	Variation in the emission factor of N2O derived from chemical nitrogen fertilizer and organic matter: A case study of onion fields in Mikasa, Hokkaido, Japan. Soil Science and Plant Nutrition, 2007, 53, 692-703.	0.8	32
52	Simulated nitrogen inputs influence methane and nitrous oxide fluxes from a young larch plantation in northern Japan. Atmospheric Environment, 2012, 46, 36-44.	1.9	32
53	Spatial variation of denitrification potential of grassland, windbreak forest, and riparian forest soils in an agricultural catchment in eastern Hokkaido, Japan. Ecological Engineering, 2012, 47, 92-100.	1.6	31
54	Carbon dioxide exchange at four intensively managed grassland sites across different climate zones of Japan and the influence of manure application on ecosystem carbon and greenhouse gas budgets. Agricultural and Forest Meteorology, 2013, 177, 57-68.	1.9	31

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55	Land use change affects microbial biomass and fluxes of carbon dioxide and nitrous oxide in tropical peatlands. Soil Science and Plant Nutrition, 2014, 60, 423-434.	0.8	30
56	Short-term land-use change from grassland to cornfield increases soil organic carbon and reduces total soil respiration. Soil and Tillage Research, 2019, 186, 1-10.	2.6	30
57	Estimation of global warming potential from upland cropping systems in central Hokkaido, Japan. Soil Science and Plant Nutrition, 2006, 52, 371-377.	0.8	29
58	Nitrogen budget and relationships with riverine nitrogen exports of a dairy cattle farming catchment in eastern Hokkaido, Japan. Soil Science and Plant Nutrition, 2009, 55, 800-819.	0.8	29
59	Detection of nitrate leaching through bypass flow using pan lysimeter, suction cup, and resin capsule. Soil Science and Plant Nutrition, 2000, 46, 703-711.	0.8	28
60	Soil respiration and methane flux in adjacent forest, grassland, and cornfield soils in Hokkaido, Japan. Soil Science and Plant Nutrition, 2001, 47, 621-627.	0.8	28
61	Evaluating impact of land use and N budgets on stream water quality in Hokkaido, Japan. Nutrient Cycling in Agroecosystems, 2002, 63, 175-184.	1.1	28
62	SOIL CO2 FLUXES FROM DIFFERENT AGES OF OIL PALM IN TROPICAL PEATLAND OF SARAWAK, MALAYSIA AS INFLUENCED BY ENVIRONMENTAL AND SOIL PROPERTIES. Acta Horticulturae, 2013, , 25-35.	0.1	28
63	Factors controlling nitrogen and dissolved organic carbon exports across timescales in two watersheds with different land uses. Hydrological Processes, 2014, 28, 5105-5121.	1.1	28
64	Carbon, Nitrogen and Water Footprints of Organic Rice and Conventional Rice Production over 4 Years of Cultivation: A Case Study in the Lower North of Thailand. Agronomy, 2022, 12, 380.	1.3	28
65	Predicting local-scale impact of climate change on rice yield and soil organic carbon sequestration: A case study in Roi Et Province, Northeast Thailand. Agricultural Systems, 2018, 164, 58-70.	3.2	27
66	Effects of the ridge mulched system on soil water and inorganic nitrogen distribution in the Loess Plateau of China. Agricultural Water Management, 2018, 203, 277-288.	2.4	27
67	Effects of soil aggregate size, moisture content and fertilizer management on nitrous oxide production in a volcanic ash soil. Soil Science and Plant Nutrition, 2011, 57, 733-747.	0.8	26
68	N₂O emissions during the freezing and thawing periods from six fields in a livestock farm, southern Hokkaido, Japan. Soil Science and Plant Nutrition, 2012, 58, 261-271.	0.8	25
69	CH4flux in an alas ecosystem formed by forest disturbance near Yakutsk, Eastern Siberia, Russia. Soil Science and Plant Nutrition, 2003, 49, 369-377.	0.8	24
70	Modeling Ponded Infiltration in Fine Textured Soils with Coarse Interlayer. Soil Science Society of America Journal, 2014, 78, 745-753.	1.2	24
71	Effect of plant-mediated oxygen supply and drainage on greenhouse gas emission from a tropical peatland in Central Kalimantan, Indonesia. Soil Science and Plant Nutrition, 2014, 60, 216-230.	0.8	24
72	Linking N2O emission to soil mineral N as estimated by CO2 emission and soil C/N ratio. Soil Biology and Biochemistry, 2009, 41, 2593-2597.	4.2	23

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73	Carbon Sequestration and Contribution of CO2, CH4 and N2O Fluxes to Global Warming Potential from Paddy-Fallow Fields on Mineral Soil Beneath Peat in Central Hokkaido, Japan. Agriculture (Switzerland), 2020, 10, 6.	1.4	23
74	Dissolved N₂O, CH₄, and CO₂in pipe drainage, seepage, and stream water in a livestock farm in Hokkaido, Japan. Soil Science and Plant Nutrition, 2002, 48, 433-439.	0.8	22
75	Effect of nitrogen deposition on CH⁴uptake in forest soils in Hokkaido, Japan. Soil Science and Plant Nutrition, 2004, 50, 1187-1194.	0.8	22
76	N₂O and CH₄fluxes from a volcanic grassland soil in Nasu, Japan: Comparison between manure plus fertilizer plot and fertilizer-only plot. Soil Science and Plant Nutrition, 2008, 54, 606-617.	0.8	22
77	Greenhouse gas emissions after a prescribed fire in white birch-dwarf bamboo stands in northern Japan, focusing on the role of charcoal. European Journal of Forest Research, 2011, 130, 1031-1044.	1.1	22
78	Evaluating the effect of liming on N2O fluxes from denitrification in an Andosol using the acetylene inhibition and 15N isotope tracer methods. Biology and Fertility of Soils, 2018, 54, 71-81.	2.3	22
79	Afforestation of loess soils: Old and new organic carbon in aggregates and density fractions. Catena, 2019, 177, 49-56.	2.2	22
80	Impact of nitrogen cycling on stream water quality in a basin associated with forest, grassland, and animal husbandry, Hokkaido, Japan. Ecological Engineering, 2005, 24, 509-515.	1.6	21
81	Assessment of river water quality during snowmelt and base flow periods in two catchment areas with different land use. Environmental Monitoring and Assessment, 2008, 137, 251-260.	1.3	21
82	Evaluation of the soil carbon budget under different upland cropping systems in central Hokkaido, Japan. Soil Science and Plant Nutrition, 2008, 54, 650-661.	0.8	21
83	Characteristics of fire-generated gas emission observed during a large peatland fire in 2009 at Kalimantan, Indonesia. Atmospheric Environment, 2013, 74, 177-181.	1.9	21
84	Soil carbon stocks and carbon sequestration rates in seminatural grassland in Aso region, Kumamoto, Southern Japan. Global Change Biology, 2013, 19, 1676-1687.	4.2	21
85	Variation in Soil Properties Regulate Greenhouse Gas Fluxes and Global Warming Potential in Three Land Use Types on Tropical Peat. Atmosphere, 2018, 9, 465.	1.0	21
86	Effects of fire on soil organic carbon, soil total nitrogen, and soil properties under rotational shifting cultivation in northern Thailand. Journal of Environmental Management, 2022, 302, 113978.	3.8	21
87	Dissolved N₂O, CH₄, and CO₂emissions from subsurface-drainage in a structured clay soil cultivated with onion in Central Hokkaido, Japan. Soil Science and Plant Nutrition, 2003, 49, 31-38.	0.8	20
88	An eco-balance approach to the evaluation of historical changes in nitrogen loads at a regional scale. Agricultural Systems, 2007, 94, 165-176.	3.2	20
89	Nitrous oxide and nitric oxide fluxes from cornfield, grassland, pasture and forest in a watershed in Southern Hokkaido, Japan. Soil Science and Plant Nutrition, 2008, 54, 662-680.	0.8	20
90	Nitrous oxide fluxes from upland soils in central Hokkaido, Japan. Journal of Environmental Sciences, 2008, 20, 1312-1322.	3.2	20

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91	Characteristics and issues related to regional-scale modeling of nitrogen flows. Soil Science and Plant Nutrition, 2009, 55, 1-12.	0.8	20
92	Nitrous oxide emissions and nitrogen cycling in managed grassland in Southern Hokkaido, Japan. Soil Science and Plant Nutrition, 2010, 56, 676-688.	0.8	20
93	Effects of changes in the soil environment associated with heavy precipitation on soil greenhouse gas fluxes in a Siberian larch forest near Yakutsk. Soil Science and Plant Nutrition, 2010, 56, 645-662.	0.8	19
94	Coupled control of land use and topography on nitrate-nitrogen dynamics in three adjacent watersheds. Catena, 2012, 97, 1-11.	2.2	19
95	Modeling the biomass of energy crops: Descriptions, strengths and prospective. Journal of Integrative Agriculture, 2017, 16, 1197-1210.	1.7	19
96	Mitigating Global Warming Potential and Greenhouse Gas Intensities by Applying Composted Manure in Cornfield: A 3-Year Field Study in an Andosol Soil. Agriculture (Switzerland), 2017, 7, 13.	1.4	19
97	Effects of Three Types of Organic Fertilizers on Greenhouse Gas Emissions in a Grassland on Andosol in Southern Hokkaido, Japan. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	19
98	Modeling the Water Balance Processes for Understanding the Components of River Discharge in a Non-conservative Watershed. Transactions of the ASABE, 2011, 54, 2171-2180.	1.1	19
99	Impact of land use change on greenhouse gases emissions in peatland: a review. International Agrophysics, 2019, 33, 167-173.	0.7	18
100	Effects of soil structural discontinuity on root and shoot growth and water use of maize. Plant and Soil, 1993, 157, 65-74.	1.8	17
101	Nitrogen Cycling with Respect to Environmental Load in Farm Systems in Southwest China. Nutrient Cycling in Agroecosystems, 2005, 73, 119-134.	1.1	17
102	Nitrous and nitric oxide emissions from a cornfield and managed grassland: 11 years of continuous measurement with manure and fertilizer applications, and land-use change. Soil Science and Plant Nutrition, 2017, 63, 185-199.	0.8	16
103	Importance of Internal Proton Production for the Proton Budget in Japanese Forested Ecosystems. Water, Air, and Soil Pollution, 2001, 130, 685-690.	1.1	15
104	Analysis of the C2H2 inhibition-based N2O production curve to characterize the N2O-reducing activity of denitrifying communities in soil. Geoderma, 2008, 146, 269-276.	2.3	15
105	Diffusivity Models and Greenhouse Gases Fluxes from a Forest, Pasture, Grassland and Corn Field in Northern Hokkaido, Japan. Pedosphere, 2010, 20, 747-760.	2.1	15
106	Evaluation of N2O and CO2 hot moments in managed grassland and cornfield, southern Hokkaido, Japan. Catena, 2015, 133, 1-13.	2.2	15
107	Soil N2O Emissions under Different N Rates in an Oil Palm Plantation on Tropical Peatland. Agriculture (Switzerland), 2019, 9, 213.	1.4	15
108	Seasonal carbon dynamics and the effects of manure application on carbon budget of a managed grassland in a temperate, humid region in <scp>J</scp>apan. Grassland Science, 2014, 60, 76-91.	0.6	14

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109	Effects of environmental factors on temporal variation in annual carbon dioxide and nitrous oxide emissions from an unfertilized bare field on Gray Lowland soil in Mikasa, Hokkaido, Japan. Soil Science and Plant Nutrition, 2010, 56, 663-675.	0.8	13
110	Influence of Agricultural Activity on Nitrogen Budget in Chinese and Japanese Watersheds. Pedosphere, 2012, 22, 137-151.	2.1	13
111	Active N₂O emission from bacterial microbiota of Andisol farmland and characterization of some N₂O emitters. Journal of Basic Microbiology, 2012, 52, 477-486.	1.8	13
112	Hierarchical Bayesian models for soil CO₂flux using soil texture: a case study in central Hokkaido, Japan. Soil Science and Plant Nutrition, 2015, 61, 116-132.	0.8	13
113	Impact of burning on soil organic carbon of maize-upland rice system in Mae Chaem Basin of Northern Thailand. Geoderma, 2021, 392, 115002.	2.3	13
114	Influence of long-term changes in nitrogen flows on the environment: a case study of a city in Hokkaido, Japan. Nutrient Cycling in Agroecosystems, 2004, 70, 271-282.	1.1	12
115	Manure application has an effect on the carbon budget of a managed grassland in southern Hokkaido, Japan. Soil Science and Plant Nutrition, 2015, 61, 856-872.	0.8	12
116	Physiological and Genotypic Characteristics of Nitrous Oxide (N₂O)-Emitting <i>Pseudomonas</i> Species Isolated from Dent Corn Andisol Farmland in Hokkaido, Japan. Microbes and Environments, 2016, 31, 93-103.	0.7	12
117	Do tillage and conversion of grassland to cropland always deplete soil organic carbon?. Soil Science and Plant Nutrition, 2020, 66, 76-83.	0.8	12
118	Assessing Soil Organic Carbon, Soil Nutrients and Soil Erodibility under Terraced Paddy Fields and Upland Rice in Northern Thailand. Agronomy, 2022, 12, 537.	1.3	12
119	Evapotranspiration in cracked clay field soil. Soil Science and Plant Nutrition, 1988, 34, 547-555.	0.8	11
120	Effect of nitrogen fertilization on methane flux in a structured clay soil cultivated with onion in Central Hokkaido, Japan. Soil Science and Plant Nutrition, 2002, 48, 797-804.	0.8	11
121	Estimating sediment and particulate organic nitrogen and particulate organic phosphorous yields from a volcanic watershed characterized by forest and agriculture using SWAT model. Annales De Limnologie, 2015, 51, 23-35.	0.6	11
122	Practices sustaining soil organic matter and rice yield in a tropical monsoon region. Soil Science and Plant Nutrition, 2017, , 1-14.	0.8	11
123	The Source-Sink Effect of Clayey Soil Peds on Solute Transport. Soil Science and Plant Nutrition, 1985, 31, 199-213.	0.8	10
124	Magnitude of nitrogen pollution in stream water due to intensive livestock farming practices. Soil Science and Plant Nutrition, 2002, 48, 883-887.	0.8	10
125	Changes in net ecosystem production associated with forest fire in taiga ecosystems, near Yakutsk, Russia. Soil Science and Plant Nutrition, 2003, 49, 493-501.	0.8	10
126	Evaluating the contribution of point and non-point sources of nitrogen pollution in stream water in a rural area of Central Hokkaido, Japan. Soil Science and Plant Nutrition, 2004, 50, 109-117.	0.8	10

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127	Flood effect on CH₄emission from the alas in Central Yakutia, East Siberia. Soil Science and Plant Nutrition, 2014, 60, 242-253.	0.8	10
128	Snowmelt and the hydrological interaction of forest-grassland ecosystems in Central Yakutia, eastern Siberia. Hydrological Processes, 2015, 29, 3074-3083.	1.1	10
129	Effect of manure application on seasonal carbon fluxes in a temperate managed grassland in Southern Hokkaido, Japan. Catena, 2015, 133, 474-485.	2.2	9
130	Estimating agro-ecosystem carbon balance of northern Japan, and comparing the change in carbon stock by soil inventory and net biome productivity. Science of the Total Environment, 2016, 554-555, 293-302.	3.9	9
131	Integrated Effects of Land Use and Topography on Streamflow Response to Precipitation in an Agriculture-Forest Dominated Northern Watershed. Water (Switzerland), 2018, 10, 633.	1.2	9
132	A plate model for solute transport through aggregated soil columns. I. Theoretical description. Geoderma, 1991, 50, 13-23.	2.3	8
133	Short-term effect of urea on CH4flux under the oil palm (Elaeis guineensis) on tropical peatland in Sarawak, Malaysia. Soil Science and Plant Nutrition, 2006, 52, 788-792.	0.8	8
134	Eco-balance analysis of six agricultural land uses in the Ikushunbetsu watershed. Soil Science and Plant Nutrition, 2007, 53, 373-386.	0.8	8
135	Hierarchical Bayesian calibration of nitrous oxide (N2O) and nitrogen monoxide (NO) flux module of an agro-ecosystem model: ECOSSE. Ecological Modelling, 2015, 316, 14-27.	1.2	8
136	Assessing potassium environmental losses from a dairy farming watershed with the modified SWAT model. Agricultural Water Management, 2016, 175, 91-104.	2.4	8
137	Soil carbon and nitrogen and tomato yield response to cover crop management. Agronomy Journal, 2020, 112, 1636-1648.	0.9	8
138	Evaluation of the impact of paddy fields on stream water nitrogen concentration in Central Hokkaido. Soil Science and Plant Nutrition, 2004, 50, 45-55.	0.8	7
139	Soil greenhouse gas fluxes and net global warming potential from intensively cultivated vegetable fields in southwestern China. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	1.7	7
140	Effects of methyl viologen dichloride and other chemicals on nitrous oxide (N₂O) emission and repression by pseudomonad denitrifiers isolated from corn farmland soil in Hokkaido, Japan. Journal of Pesticide Sciences, 2014, 39, 115-120.	0.8	7
141	Characteristics of nutrient load in a stream flowing through a livestock farm during spring snowmelt. Soil Science and Plant Nutrition, 2003, 49, 301-305.	0.8	6
142	Clear increases in acetylene reduction by soil bacteria from an East Siberian Taiga forest bed under conditions mimicking the natural soil environment. Soil Science and Plant Nutrition, 2010, 56, 716-724.	0.8	6
143	Simulation of stream nitrate-nitrogen export using the Soil and Water Assessment Tool model in a dairy farming watershed with an external water source. Journal of Soils and Water Conservation, 2014, 69, 75-85.	0.8	6
144	Factors controlling the long-term temporal and spatial patterns of nitrate-nitrogen export in a dairy farming watershed. Environmental Monitoring and Assessment, 2015, 187, 206.	1.3	6

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145	Nitrous oxide fluxes from soil under different crops and fertilizer management. Plant, Soil and Environment, 2015, 61, 385-392.	1.0	6
146	Methane and Nitrous Oxide Emissions from Tropical Peat Soil. , 2016, , 339-351.		6
147	Changes of Soil C Stock under Establishment and Abandonment of Arable Lands in Permafrost Areaâ€"Central Yakutia. Atmosphere, 2018, 9, 308.	1.0	6
148	Carbon stock estimation and changes associated with thermokarst activity, forest disturbance, and land use changes in Eastern Siberia. Geoderma Regional, 2018, 14, e00171.	0.9	6
149	Response of hydrological processes to climate and land use changes in Hiso River watershed, Fukushima, Japan. Physics and Chemistry of the Earth, 2021, 123, 103010.	1.2	6
150	A plate model for solute transport through aggregated soil columns. II. Experimental results and application of the model. Geoderma, 1991, 50, 25-36.	2.3	5
151	Eco-balance analysis of land use combinations to minimize environmental impacts and maximize farm income in northern Japan. Sustainability Science, 2010, 5, 19-27.	2.5	5
152	Real time monitoring of gases emitted from soils using a multi-turn time-of-flight mass spectrometer â€œMULTUM-S IIâ€• Environmental Sciences: Processes and Impacts, 2014, 16, 2752-2757.	1.7	5
153	Understory Dwarf Bamboo Affects Microbial Community Structures and Soil Properties in a <i>Betula ermanii</i> Forest in Northern Japan. Microbes and Environments, 2017, 32, 103-111.	0.7	5
154	Emission of N2O from a clayey aquic soil cultivated with Onion plants. , 1997, , 555-556.		5
155	Significance of nitrification and vegetation uptake in proton budgets in forest surface soil. Soil Science and Plant Nutrition, 2001, 47, 253-264.	0.8	4
156	Assessing the impact of phosphorus cycling on river water P concentration in Hokkaido. Soil Science and Plant Nutrition, 2008, 54, 310-317.	0.8	4
157	Single and Sequential Extraction of Cadmium in Some Highly Calcareous Soils of Southwestern Iran. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	1.7	4
158	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 691-696.	1.1	3
159	Spatial variation in nitrogen deposition over five adjacent catchments in a larch forest. Soil Science and Plant Nutrition, 2003, 49, 741-746.	0.8	3
160	Nitrogen Flow in the Rural Ecosystem of Mikasa City in Hokkaido, Japan. Pedosphere, 2006, 16, 264-272.	2.1	3
161	Impact of Management Practices on Methane Emissions from Paddy Grown on Mineral Soil over Peat in Central Hokkaido, Japan. Atmosphere, 2018, 9, 212.	1.0	3
162	Mitigation Effect of Farmyard Manure Application on Greenhouse Gas Emissions from Managed Grasslands in Japan. , 2014, , 313-325.		3

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