

# Shiro Tsuyuzaki

## List of Publications by Year in descending order

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114  
papers

2,309  
citations

186209

28  
h-index

265120

42  
g-index

115  
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115  
docs citations

115  
times ranked

1565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of <i>Salix reinii</i> patches in spatio-temporal patterns of cohabitants on a Japanese volcano. <i>Journal of Plant Ecology</i> , 2022, 15, 71-84.	1.2	0
2	Differences in canopy and understorey diversities after the eruptions of Mount Usu, northern Japan – Impacts of early forest management. <i>Forest Ecology and Management</i> , 2022, 510, 120106.	1.4	3
3	Changes in Cell Wall Structure During Rhizoid Formation of <i>Silvetia babingtonii</i> (Fucales). <i>Journal of Applied Phycology</i> , 2022, 36, 1-10.	1.0	3
4	Remote sensing of forest diversities: the effect of image resolution and spectral plot extent. <i>International Journal of Remote Sensing</i> , 2021, 42, 5985-6002.	1.3	4
5	Comparison of vegetation patch dynamics after the eruptions of the volcano Mount Usu, northern Japan, in 1977 and 1978 and 2000, detected by imagery chronosequence. <i>Ecological Research</i> , 2021, 36, 329-339.	0.7	1
6	Quantification of laminarian zoospores in seawater by real-time PCR. <i>Phycological Research</i> , 2020, 68, 57-62.	0.8	3
7	The seed germination of berry-producing ericaceous shrubs in relation to dispersal by hare. <i>Botany Letters</i> , 2020, 167, 424-429.	0.7	0
8	Formation and establishment of neopolyploids from sterile hybrids in <i>Drosera</i> in a disturbed environment. <i>Folia Geobotanica</i> , 2020, 55, 185-193.	0.4	0
9	Predicting the probable impact of climate change on the distribution of threatened <i>Shorea robusta</i> forest in Purbachal, Bangladesh. <i>Global Ecology and Conservation</i> , 2020, 24, e01250.	1.0	8
10	Fronde size, shape and fertility of <i>Thelypteris confluens</i> (Thunb.) C. V. Morton in wetlands disturbed by human activities in Hokkaido, northern Japan. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2020, 269, 151630.	0.6	2
11	Succession of litter-decomposing microbial organisms in deciduous birch and oak forests, northern Japan. <i>Acta Oecologica</i> , 2019, 101, 103485.	0.5	8
12	Vegetation changes from 1984 to 2008 on Mount Usu, northern Japan, after the 1977 and 1978 eruptions. <i>Ecological Research</i> , 2019, 34, 813-820.	0.7	7
13	Tundra fire alters vegetation patterns more than the resultant thermokarst. <i>Polar Biology</i> , 2018, 41, 753-761.	0.5	11
14	The effects of shrub patch sizes on the colonization of pioneer plants on the volcano Mount Koma, northern Japan. <i>Acta Oecologica</i> , 2018, 93, 48-55.	0.5	5
15	Hierarchical classification of land use types using multiple vegetation indices to measure the effects of urbanization. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 342.	1.3	8
16	Genetic diversity within populations of an arctic alpine species declines with decreasing latitude across the Northern Hemisphere. <i>Journal of Biogeography</i> , 2017, 44, 2740-2751.	1.4	21
17	Geomorphological and geochemistry changes in permafrost after the 2002 tundra wildfire in Kougurok, Seward Peninsula, Alaska. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 1697-1715.	1.0	20
18	Changes in microbial community composition in the leaf litter of successional communities after volcanic eruptions of Mount Usu, northern Japan. <i>Journal of Mountain Science</i> , 2016, 13, 1652-1662.	0.8	8

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19	The responses of an early ( <i>Rhynchospora alba</i> ) and a late ( <i>Molinia japonica</i> ) colonizer to solar radiation in a boreal wetland after peat mining. <i>Wetlands Ecology and Management</i> , 2016, 24, 521-532.	0.7	2
20	Differences in nitrogen redistribution between early and late plant colonizers through ectomycorrhizal fungi on the volcano Mount Koma. <i>Ecological Research</i> , 2016, 31, 557-567.	0.7	6
21	Plant responses to nitrogen fertilization differ between post-mined and original peatlands. <i>Folia Geobotanica</i> , 2015, 50, 107-121.	0.4	11
22	Sexual and vegetative reproduction of the sympatric congeners <i>Drosera anglica</i> and <i>Drosera rotundifolia</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2015, 210, 60-65.	0.6	8
23	Hares promote seed dispersal and seedling establishment after volcanic eruptions. <i>Acta Oecologica</i> , 2015, 63, 22-27.	0.5	6
24	Spectral indices for remote sensing of phytomass, deciduous shrubs, and productivity in Alaskan Arctic tundra. <i>International Journal of Remote Sensing</i> , 2015, 36, 4344-4362.	1.3	13
25	Vegetation and Permafrost Thaw Depth 10 Years after a Tundra Fire in 2002, Seward Peninsula, Alaska. <i>Arctic, Antarctic, and Alpine Research</i> , 2015, 47, 547-559.	0.4	37
26	Occurrence patterns of facilitation by shade along a water gradient are mediated by species traits. <i>Acta Oecologica</i> , 2015, 62, 45-52.	0.5	6
27	Habitat Differentiation Between <i>Drosera anglica</i> and <i>D. rotundifolia</i> in a Post-Mined Peatland, Northern Japan. <i>Wetlands</i> , 2014, 34, 943-953.	0.7	7
28	The establishment patterns of tree seedlings are determined immediately after wildfire in a black spruce ( <i>Picea mariana</i> ) forest. <i>Plant Ecology</i> , 2014, 215, 327-337.	0.7	9
29	Effects of Water Level via Controlling Water Chemistry on Revegetation Patterns After Peat Mining. <i>Wetlands</i> , 2014, 34, 117-127.	0.7	13
30	Recovery of forest floor vegetation after a wildfire in a <i>Picea mariana</i> forest. <i>Ecological Research</i> , 2013, 28, 1061-1068.	0.7	9
31	The effects of litter accumulation through succession on seed bank formation for small- and large-seeded species. <i>Journal of Vegetation Science</i> , 2013, 24, 1062-1073.	1.1	31
32	Facilitation by tussock-forming species on seedling establishment collapses in an extreme drought year in a post-mined <i>Sphagnum</i> peatland. <i>Journal of Vegetation Science</i> , 2013, 24, 473-483.	1.1	41
33	Characteristics of leaf shapes among two parental <i>Drosera</i> species and a hybrid examined by canonical discriminant analysis and a hierarchical Bayesian model. <i>American Journal of Botany</i> , 2013, 100, 817-823.	0.8	12
34	Mechanism of facilitation by sedge and cotton-grass tussocks on seedling establishment in a post-mined peatland. <i>Plant Ecology</i> , 2012, 213, 1729-1737.	0.7	9
35	Response of riparian vegetation to the removal of the invasive forb, <i>Solidago gigantea</i> , and its litter layer. <i>Weed Biology and Management</i> , 2012, 12, 63-70.	0.6	7
36	Effect of a deciduous shrub on microclimate along an elevation gradient, Mount Koma, northern Japan. <i>Climate Research</i> , 2012, 51, 1-10.	0.4	6

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37	Dispersal timing, palatability and caching of acorns of <i>Aesculus turbinata</i> Bl. <i>Plant Biosystems</i> , 2011, 145, 798-801.	0.8	2
38	Fire severity affects vegetation and seed bank in a wetland. <i>Applied Vegetation Science</i> , 2011, 14, 350-357.	0.9	17
39	Distribution pattern of exotic plants in the metropolitan area of Sapporo (Japan) in relation to life form and immigration date. <i>Feddes Repertorium</i> , 2011, 122, 275-286.	0.2	0
40	Seedling establishment of late colonizer is facilitated by seedling and overstory of early colonizer in a post-mined peatland. <i>Plant Ecology</i> , 2011, 212, 369-381.	0.7	10
41	Quick Recovery of Carbon Dioxide Exchanges in a Burned Black Spruce Forest in Interior Alaska. <i>Scientific Online Letters on the Atmosphere</i> , 2011, 7, 105-108.	0.6	22
42	Baidzharakhs (relic mounds) increase plant community diversity by interrupting zonal vegetation distribution along the Arctic Sea, northern Siberia. <i>Polar Biology</i> , 2010, 33, 565-570.	0.5	4
43	Effects of sedge and cottongrass tussocks on plant establishment patterns in a post-mined peatland, northern Japan. <i>Wetlands Ecology and Management</i> , 2010, 18, 135-148.	0.7	47
44	Seed survival for three decades under thick tephra. <i>Seed Science Research</i> , 2010, 20, 201-207.	0.8	6
45	Roadside grassland vegetation in an oak forest, Oak Creek Wildlife Area, the Cascade Range, USA. <i>IForest</i> , 2010, 3, 52-55.	0.5	1
46	Spectral vegetation indices for estimating shrub cover, green phytomass and leaf turnover in a sedge-shrub tundra. <i>International Journal of Remote Sensing</i> , 2009, 30, 1651-1658.	1.3	17
47	Recovery of surface albedo and plant cover after wildfire in a <i>Picea mariana</i> forest in interior Alaska. <i>Climatic Change</i> , 2009, 93, 517-525.	1.7	25
48	Comparisons of recruitment, survival, and growth in invasive and native saplings on a volcano. <i>Plant Ecology</i> , 2009, 202, 235-245.	0.7	9
49	Relationships between the developments of seedbank, standing vegetation and litter in a post-mined peatland. <i>Plant Ecology</i> , 2009, 203, 217-228.	0.7	29
50	A chronosequence approach for detecting revegetation patterns after <i>Sphagnum</i> peat mining, northern Japan. <i>Ecological Research</i> , 2009, 24, 237-246.	0.7	50
51	Maintenance of an abrupt boundary between needle-leaved and broad-leaved forests in a wetland near coast. <i>Journal of Forestry Research</i> , 2009, 20, 91-98.	1.7	2
52	Causes of plant community divergence in the early stages of volcanic succession. <i>Journal of Vegetation Science</i> , 2009, 20, 959-969.	1.1	50
53	Effects of smoke, heat, darkness and cold stratification on seed germination of 40 species in a cool temperate zone in northern Japan. <i>Plant Biology</i> , 2009, 11, 369-378.	1.8	23
54	A preliminary report on the vegetation zonation of palsas in the Arctic National Wildlife Refuge, northern Alaska, USA. <i>Ecological Research</i> , 2008, 23, 787-793.	0.7	5

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55	Effects of microtopography and erosion on seedling colonisation and survival in the volcano Usu, northern Japan, after the 1977-78 eruptions. <i>Land Degradation and Development</i> , 2008, 19, 233-241.	1.8	17
56	Faunal Make-up and Abundance of Rodents 17 Years after Volcanic Eruptions. <i>Northwest Science</i> , 2007, 81, 333-336.	0.1	2
57	Mortality and Growth of Trees in Peat-swamp and Heath Forests in Central Kalimantan After Severe Drought. <i>Plant Ecology</i> , 2007, 188, 165-177.	0.7	95
58	Annual growth of invasive <i>Larix kaempferi</i> seedlings with reference to microhabitat and ectomycorrhizal colonization on a volcano. <i>Journal of Plant Research</i> , 2007, 120, 329-336.	1.2	4
59	PITS CONSERVE SPECIES DIVERSITY IN AN OVERGRAZED GRASSLAND. <i>Applied Ecology and Environmental Research</i> , 2007, 5, 25-36.	0.2	3
60	Survival and Changes in Germination Response of <i>Rumex obtusifolius</i> <i>Polygonum longisetum</i> and <i>Oenothera biennis</i> during Burial at Three Soil Depths. <i>American Journal of Environmental Sciences</i> , 2006, 2, 74-78.	0.3	7
61	Tree seedling performance in microhabitats along an elevational gradient on Mount Koma, Japan. <i>Journal of Vegetation Science</i> , 2005, 16, 647-654.	1.1	21
62	Distribution of different mycorrhizal classes on Mount Koma, northern Japan. <i>Mycorrhiza</i> , 2005, 15, 93-100.	1.3	20
63	Plant community dynamics on the volcano Mount Koma, northern Japan, after the 1996 eruption. <i>Folia Geobotanica</i> , 2005, 40, 319-330.	0.4	27
64	Differential establishment and survival of species in deciduous and evergreen shrub patches and on bare ground, Mt. Koma, Hokkaido, Japan. <i>Plant Ecology</i> , 2005, 175, 165-177.	0.7	46
65	<i>Miscanthus sinensis</i> grassland is an indicator plant community to predict forest regeneration and development on ski slopes in Japan. <i>Ecological Indicators</i> , 2005, 5, 109-115.	2.6	8
66	Tree seedling performance in microhabitats along an elevational gradient on Mount Koma, Japan. <i>Journal of Vegetation Science</i> , 2005, 16, 647.	1.1	4
67	Effects of scale-dependent factors on herbaceous vegetation patterns in a wetland, northern Japan. <i>Ecological Research</i> , 2004, 19, 349-355.	0.7	24
68	Seed dispersal and seedling establishment of <i>Rhus trichocarpa</i> promoted by a crow ( <i>Corvus</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 To</i>	2.1	46
69	Methods of estimating seed banks with reference to long-term seed burial. <i>Journal of Plant Research</i> , 2004, 117, 245-8.	1.2	27
70	Influence of a non-native invasive tree on primary succession at Mt. Koma, Hokkaido, Japan. <i>Plant Ecology</i> , 2003, 169, 307-315.	0.7	73
71	Distribution of plants in relation to microsites on recent volcanic substrates on Mount Koma, Hokkaido, Japan. <i>Ecological Research</i> , 2003, 18, 91-98.	0.7	49
72	Investigation of the Effects of Distance from River and Peat Depth on Tropical Wetland Forest Communities. <i>Tropics</i> , 2003, 12, 287-294.	0.2	7

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73	Vegetation development patterns on skislopes in lowland Hokkaido, northern Japan. <i>Biological Conservation</i> , 2002, 108, 239-246.	1.9	32
74	Arbuscular mycorrhizal distribution in relation to microsites on recent volcanic substrates of Mt. Koma, Hokkaido, Japan. <i>Mycorrhiza</i> , 2002, 12, 271-275.	1.3	21
75	Methane flux in grassy marshlands near Kolyma River, north-eastern Siberia. <i>Soil Biology and Biochemistry</i> , 2001, 33, 1419-1423.	4.2	20
76	Persistence of seed bank under thick volcanic deposits twenty years after eruptions of Mount Usu, Hokkaido Island, Japan. <i>American Journal of Botany</i> , 2001, 88, 1813-1817.	0.8	18
77	Woody plant establishment during the early stages of volcanic succession on Mount Usu, northern Japan. <i>Ecological Research</i> , 2001, 16, 451-457.	0.7	31
78	Characteristics of "Number of Veins" to Estimate Leaf Maturity in <i>Pteris mutilata</i> (Pteridaceae). <i>Journal of Plant Research</i> , 2000, 113, 415-418.	1.2	3
79	Ski Slope Vegetation of Mount Hood, Oregon, U.S.A.. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 283-292.	0.4	15
80	Vegetation structure in gullies developed by the melting of ice wedges along Kolyma River, northern Siberia. <i>Ecological Research</i> , 1999, 14, 385-391.	0.7	11
81	Natural regeneration patterns of the introduced larch, <i>Larix kaempferi</i> (Pinaceae), on the volcano Mount Koma, northern Japan. <i>BIODIVERSITY RESEARCH. Diversity and Distributions</i> , 1999, 5, 223-233.	1.9	56
82	Ski Slope Vegetation of Mount Hood, Oregon, U.S.A.. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 283.	0.4	15
83	Composition and dynamics of wetland seed banks on Mount St. Helens, Washington, USA. <i>Folia Geobotanica</i> , 1998, 33, 3-16.	0.4	56
84	Ski slope vegetation at Snoqualmie Pass, Washington State, USA, and a comparison with ski slope vegetation in temperate coniferous forest zones. <i>Ecological Research</i> , 1998, 13, 97-104.	0.7	10
85	Wetland development in early stages of volcanic succession. <i>Journal of Vegetation Science</i> , 1997, 8, 353-360.	1.1	18
86	Seedling establishment patterns on the Pumice Plain, Mount St. Helens, Washington. <i>Journal of Vegetation Science</i> , 1997, 8, 727-734.	1.1	80
87	Revegetation patterns and seedbank structure on abandoned pastures in northern Japan. <i>American Journal of Botany</i> , 1996, 83, 1422-1428.	0.8	12
88	Species diversities analyzed by density and cover in an early volcanic succession. <i>Plant Ecology</i> , 1996, 122, 151-156.	1.2	8
89	Tree regeneration patterns on Mount Usu, northern Japan, since the 1977-78 eruptions. <i>Plant Ecology</i> , 1996, 126, 191-198.	1.2	41
90	Vegetation Development Patterns in Erosive Areas on the Pumice Plains of Mount St. Helens. <i>American Midland Naturalist</i> , 1996, 135, 172.	0.2	38

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91	Revegetation Patterns and Seedbank Structure on Abandoned Pastures in Northern Japan. <i>American Journal of Botany</i> , 1996, 83, 1422.	0.8	9
92	Ski slope vegetation in central Honshu, Japan. <i>Environmental Management</i> , 1995, 19, 773-777.	1.2	18
93	Vegetation recovery patterns in early volcanic succession. <i>Journal of Plant Research</i> , 1995, 108, 241-248.	1.2	56
94	Species attributes in early primary succession on volcanoes. <i>Journal of Vegetation Science</i> , 1995, 6, 517-522.	1.1	84
95	Fate of plants from buried seeds on Volcano Usu, Japan, after the 1977-1978 eruptions. <i>American Journal of Botany</i> , 1994, 81, 395-399.	0.8	40
96	Fate of Plants from Buried Seeds on Volcano Usu, Japan, after the 1977-1978 Eruptions. <i>American Journal of Botany</i> , 1994, 81, 395.	0.8	13
97	Canonical correspondence analysis of early volcanic succession on Mt Usu, Japan. <i>Ecological Research</i> , 1994, 9, 143-150.	0.7	11
98	Rapid seed extraction from soils by a flotation method. <i>Weed Research</i> , 1994, 34, 433-436.	0.8	27
99	Environmental Deterioration Resulting from Ski-resort Construction in Japan. <i>Environmental Conservation</i> , 1994, 21, 121-125.	0.7	45
100	Recent vegetation and prediction of the successional sere on ski grounds in the highlands of Hokkaido, Northern Japan. <i>Biological Conservation</i> , 1993, 63, 255-260.	1.9	18
101	Size and shape of <i>Carex meyeriana</i> tussocks in an alpine wetland, northern Sichuan Province, China. <i>Canadian Journal of Botany</i> , 1992, 70, 2310-2312.	1.2	11
102	Survival characteristics of buried seeds 10 years after the eruption of the Usu volcano in northern Japan. <i>Canadian Journal of Botany</i> , 1991, 69, 2251-2256.	1.2	40
103	Species turnover and diversity during early stages of vegetation recovery on the volcano Usu, northern Japan. <i>Journal of Vegetation Science</i> , 1991, 2, 301-306.	1.1	50
104	Preliminary study on grassy marshland vegetation, western part of Sichuan province, China, in relation to yak-grazing. <i>Ecological Research</i> , 1990, 5, 271-276.	0.7	2
105	Species composition and soil erosion on a ski area in Hokkaido, northern Japan. <i>Environmental Management</i> , 1990, 14, 203-207.	1.2	18
106	Vegetation of alpine marshland and its neighboring areas, northern part of Sichuan Province, China. <i>Plant Ecology</i> , 1990, 88, 79-86.	1.2	12
107	ANALYSIS OF REVEGETATION DYNAMICS ON THE VOLCANO USU, NORTHERN JAPAN, DEFORESTED BY 1977-1978 ERUPTIONS. <i>American Journal of Botany</i> , 1989, 76, 1468-1477.	0.8	61
108	Analysis of Revegetation Dynamics on the Volcano Usu, Northern Japan, Deforested by 1977-1978 Eruptions. <i>American Journal of Botany</i> , 1989, 76, 1468.	0.8	22

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109	Contribution of buried seeds to revegetation after eruptions of the volcano Usu, Northern Japan. Botanical Magazine, 1989, 102, 511-520.	0.6	11
110	Buried seed populations on the volcano Mt. Usu, northern Japan, ten years after the 1977-78 eruptions. Ecological Research, 1989, 4, 167-173.	0.7	3
111	Adaptive Advantages of Ant-Dispersed Seeds in the Myrmecochorous Plant <i>Trillium Tschonoskii</i> (Liliaceae). Oikos, 1989, 54, 389.	1.2	72
112	Quantitative comparison of foliage development among <i>Dryopteris monticola</i> , <i>D. tokyoensis</i> and a putative hybrid, <i>D. kominatoensis</i> in Northern Japan. Botanical Magazine, 1988, 101, 267-280.	0.6	10
113	Origin of plants recovering on the volcano Usu, northern Japan, since the eruptions of 1977 and 1978. Plant Ecology, 1987, 73, 53-58.	1.2	44
114	Differences in C, N, $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ among plant functional types after a wildfire in a black spruce forest, interior Alaska. Canadian Journal of Forest Research, 0, , .	0.8	2