Shiro Tsuyuzaki

List of Publications by Year
in descending order

114 papers	2,309 citations	186265 28 h-index	265206 42 g-index
115 all docs	115 docs citations	115 times ranked	1565 citing authors

#	Article	IF	Citations
1	Mortality and Growth of Trees in Peat-swamp and Heath Forests in Central Kalimantan After Severe Drought. Plant Ecology, 2007, 188, 165-177.	1.6	95
2	Species attributes in early primary succession on volcanoes. Journal of Vegetation Science, 1995, 6, 517-522.	2.2	84
3	Seedling establishment patterns on the Pumice Plain, Mount St. Helens, Washington. Journal of Vegetation Science, 1997, 8, 727-734.	2.2	80
4	Influence of a non-native invasive tree on primary succession at Mt. Koma, Hokkaido, Japan. Plant Ecology, 2003, 169, 307-315.	1.6	73
5	Adaptive Advantages of Ant-Dispersed Seeds in the Myrmecochorous Plant Trillium Tschonoskii (Liliaceae). Oikos, 1989, 54, 389.	2.7	72
6	ANALYSIS OF REVEGETATION DYNAMICS ON THE VOLCANO USU, NORTHERN JAPAN, DEFORESTED BY 1977â€“1978 ERUPTIONS. American Journal of Botany, 1989, 76, 1468-1477.	1.7	61
7	Vegetation recovery patterns in early volcanic succession. Journal of Plant Research, 1995, 108, 241-248.	2.4	56
8	Composition and dynamics of wetland seed banks on Mount St. Helens, Washington, USA. Folia Geobotanica, 1998, 33, 3-16.	0.9	56
9	Natural regeneration patterns of the introduced larch, Larix kaempferi (Pinaceae), on the volcano Mount Koma, northern Japan. BIODIVERSITY RESEARCH. Diversity and Distributions, 1999, 5, 223-233.	4.1	56
10	Species turnover and diversity during early stages of vegetation recovery on the volcano Usu, northern Japan. Journal of Vegetation Science, 1991, 2, 301-306.	2.2	50
11	A chronosequence approach for detecting revegetation patterns after <i>Sphagnum</i>â€peat mining, northern Japan. Ecological Research, 2009, 24, 237-246.	1.5	50
12	Causes of plant community divergence in the early stages of volcanic succession. Journal of Vegetation Science, 2009, 20, 959-969.	2.2	50
13	Distribution of plants in relation to microsites on recent volcanic substrates on Mount Koma, Hokkaido, Japan. Ecological Research, 2003, 18, 91-98.	1.5	49
14	Effects of sedge and cottongrass tussocks on plant establishment patterns in a post-mined peatland, northern Japan. Wetlands Ecology and Management, 2010, 18, 135-148.	1.5	47
15	Seed dispersal and seedling establishment ofRhus trichocarpapromoted by a crow (Corvus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	4.5	46
16	Differential establishment and survival of species in deciduous and evergreen shrub patches and on bare ground, Mt. Koma, Hokkaido, Japan. Plant Ecology, 2005, 175, 165-177.	1.6	46
17	Environmental Deterioration Resulting from Ski-resort Construction in Japan. Environmental Conservation, 1994, 21, 121-125.	1.3	45
18	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

#	Article	IF	Citations
19	Tree regeneration patterns on Mount Usu, northern Japan, since the 1977?78 eruptions. Plant Ecology, 1996, 126, 191-198.	1.2	41
20	Facilitation by tussockâ€forming species on seedling establishment collapses in an extreme drought year in a postâ€mined <i><scp>S</scp>phagnum</i> peatland. Journal of Vegetation Science, 2013, 24, 473-483.	2.2	41
21	Survival characteristics of buried seeds 10 years after the eruption of the Usu volcano in northen Japan. Canadian Journal of Botany, 1991, 69, 2251-2256.	1.1	40
22	Fate of plants from buried seeds on Volcano Usu, Japan, after the 1977â€"1978 eruptions. American Journal of Botany, 1994, 81, 395-399.	1.7	40
23	Vegetation Development Patterns in Erosive Areas on the Pumice Plains of Mount St. Helens. American Midland Naturalist, 1996, 135, 172.	0.4	38
24	Vegetation and Permafrost Thaw Depth 10 Years after a Tundra Fire in 2002, Seward Peninsula, Alaska. Arctic, Antarctic, and Alpine Research, 2015, 47, 547-559.	1.1	37
25	Vegetation development patterns on skislopes in lowland Hokkaido, northern Japan. Biological Conservation, 2002, 108, 239-246.	4.1	32
26	Woody plant establishment during the early stages of volcanic succession on Mount Usu, northern Japan. Ecological Research, 2001, 16, 451-457.	1.5	31
27	The effects of litter accumulation through succession on seed bank formation for smallâ€and largeâ€seeded species. Journal of Vegetation Science, 2013, 24, 1062-1073.	2.2	31
28	Relationships between the developments of seedbank, standing vegetation and litter in a post-mined peatland. Plant Ecology, 2009, 203, 217-228.	1.6	29
29	Rapid seed extraction from soils by a flotation method. Weed Research, 1994, 34, 433-436.	1.7	27
30	Methods of estimating seed banks with reference to long-term seed burial. Journal of Plant Research, 2004, 117, 245-8.	2.4	27
31	Plant community dynamics on the volcano Mount Koma, northern Japan, after the 1996 eruption. Folia Geobotanica, 2005, 40, 319-330.	0.9	27
32	Recovery of surface albedo and plant cover after wildfire in a Picea mariana forest in interior Alaska. Climatic Change, 2009, 93, 517-525.	3.6	25
33	Effects of scale-dependent factors on herbaceous vegetation patterns in a wetland, northern Japan. Ecological Research, 2004, 19, 349-355.	1.5	24
34	Effects of smoke, heat, darkness and cold stratification on seed germination of 40 species in a cool temperate zone in northern Japan. Plant Biology, 2009, 11, 369-378.	3.8	23
35	Analysis of Revegetation Dynamics on the Volcano Usu, Northern Japan, Deforested by 1977-1978 Eruptions. American Journal of Botany, 1989, 76, 1468.	1.7	22
36	Quick Recovery of Carbon Dioxide Exchanges in a Burned Black Spruce Forest in Interior Alaska. Scientific Online Letters on the Atmosphere, 2011, 7, 105-108.	1.4	22

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37	Arbuscular mycorrhizal distribution in relation to microsites on recent volcanic substrates of Mt. Koma, Hokkaido, Japan. Mycorrhiza, 2002, 12, 271-275.	2.8	21
38	Tree seedling performance in microhabitats along an elevational gradient on Mount Koma, Japan. Journal of Vegetation Science, 2005, 16, 647-654.	2.2	21
39	Genetic diversity within populations of an arcticâ€“alpine species declines with decreasing latitude across the Northern Hemisphere. Journal of Biogeography, 2017, 44, 2740-2751.	3.0	21
40	Methane flux in grassy marshlands near Kolyma River, north-eastern Siberia. Soil Biology and Biochemistry, 2001, 33, 1419-1423.	8.8	20
41	Distribution of different mycorrhizal classes on Mount Koma, northern Japan. Mycorrhiza, 2005, 15, 93-100.	2.8	20
42	Geomorphological and geochemistry changes in permafrost after the 2002 tundra wildfire in Kougarok, Seward Peninsula, Alaska. Journal of Geophysical Research F: Earth Surface, 2016, 121, 1697-1715.	2.8	20
43	Species composition and soil erosion on a ski area in Hokkaido, northern Japan. Environmental Management, 1990, 14, 203-207.	2.7	18
44	Recent vegetation and prediction of the successional sere on ski grounds in the highlands of Hokkaido, Northern Japan. Biological Conservation, 1993, 63, 255-260.	4.1	18
45	Ski slope vegetation in central Honshu, Japan. Environmental Management, 1995, 19, 773-777.	2.7	18
46	Wetland development in early stages of volcanic succession. Journal of Vegetation Science, 1997, 8, 353-360.	2.2	18
47	Persistence of seed bank under thick volcanic deposits twenty years after eruptions of Mount Usu, Hokkaido Island, Japan. American Journal of Botany, 2001, 88, 1813-1817.	1.7	18
48	Effects of microtopography and erosion on seedling colonisation and survival in the volcano Usu, northern Japan, after the 1977â€“78 eruptions. Land Degradation and Development, 2008, 19, 233-241.	3.9	17
49	Spectral vegetation indices for estimating shrub cover, green phytomass and leaf turnover in a sedgeâ€shrub tundra. International Journal of Remote Sensing, 2009, 30, 1651-1658.	2.9	17
50	Fire severity affects vegetation and seed bank in a wetland. Applied Vegetation Science, 2011, 14, 350-357.	1.9	17
51	Ski Slope Vegetation of Mount Hood, Oregon, U.S.A.. Arctic, Antarctic, and Alpine Research, 1999, 31, 283-292.	1.1	15
52	Ski Slope Vegetation of Mount Hood, Oregon, U.S.A.. Arctic, Antarctic, and Alpine Research, 1999, 31, 283.	1.1	15
53	Fate of Plants from Buried Seeds on Volcano Usu, Japan, after the 1977-1978 Eruptions. American Journal of Botany, 1994, 81, 395.	1.7	13
54	Effects of Water Level via Controlling Water Chemistry on Revegetation Patterns After Peat Mining. Wetlands, 2014, 34, 117-127.	1.5	13

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55	Spectral indices for remote sensing of phytomass, deciduous shrubs, and productivity in Alaskan Arctic tundra. International Journal of Remote Sensing, 2015, 36, 4344-4362.	2.9	13
56	Vegetation of alpine marshland and its neighboring areas, northern part of Sichuan Province, China. Plant Ecology, 1990, 88, 79-86.	1.2	12
57	Revegetation patterns and seedbank structure on abandoned pastures in northern Japan. American Journal of Botany, 1996, 83, 1422-1428.	1.7	12
58	Characteristics of leaf shapes among two parental <i>Drosera</i> species and a hybrid examined by canonical discriminant analysis and a hierarchical Bayesian model. American Journal of Botany, 2013, 100, 817-823.	1.7	12
59	Contribution of buried seeds to revegetation after eruptions of the volcano Usu, Northern Japan. Botanical Magazine, 1989, 102, 511-520.	0.6	11
60	Size and shape of Carex meyeriana tussocks in an alpine wetland, northern Sichuan Province, China. Canadian Journal of Botany, 1992, 70, 2310-2312.	1.1	11
61	Canonical correspondence analysis of early volcanic succession on Mt Usu, Japan. Ecological Research, 1994, 9, 143-150.	1.5	11
62	Vegetation structure in gullies developed by the melting of ice wedges along Kolyma River, northern Siberia. Ecological Research, 1999, 14, 385-391.	1.5	11
63	Plant responses to nitrogen fertilization differ between post-mined and original peatlands. Folia Geobotanica, 2015, 50, 107-121.	0.9	11
64	Tundra fire alters vegetation patterns more than the resultant thermokarst. Polar Biology, 2018, 41, 753-761.	1.2	11
65	Quantitative comparison of foliage development amongDryopteris monticola, D. tokyoensis and a putative hybrid,D. kominatoensis in Northern Japan. Botanical Magazine, 1988, 101, 267-280.	0.6	10
66	Ski slope vegetation at Snoqualmie Pass, Washington State, USA, and a comparison with ski slope vegetation in temperate coniferous forest zones. Ecological Research, 1998, 13, 97-104.	1.5	10
67	Seedling establishment of late colonizer is facilitated by seedling and overstory of early colonizer in a post-mined peatland. Plant Ecology, 2011, 212, 369-381.	1.6	10
68	Revegetation Patterns and Seedbank Structure on Abandoned Pastures in Northern Japan. American Journal of Botany, 1996, 83, 1422.	1.7	9
69	Comparisons of recruitment, survival, and growth in invasive and native saplings on a volcano. Plant Ecology, 2009, 202, 235-245.	1.6	9
70	Mechanism of facilitation by sedge and cotton-grass tussocks on seedling establishment in a post-mined peatland. Plant Ecology, 2012, 213, 1729-1737.	1.6	9
71	Recovery of forestâ€floor vegetation after a wildfire in a <i>Picea mariana</i> forest. Ecological Research, 2013, 28, 1061-1068.	1.5	9
72	The establishment patterns of tree seedlings are determined immediately after wildfire in a black spruce (Picea mariana) forest. Plant Ecology, 2014, 215, 327-337.	1.6	9

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73	Species diversities analyzed by density and cover in an early volcanic succession. Plant Ecology, 1996, 122, 151-156.	1.2	8
74	Miscanthus sinensis grassland is an indicator plant community to predict forest regeneration and development on ski slopes in Japan. Ecological Indicators, 2005, 5, 109-115.	6.3	8
75	Sexual and vegetative reproduction of the sympatric congeners Drosera anglica and Drosera rotundifolia. Flora: Morphology, Distribution, Functional Ecology of Plants, 2015, 210, 60-65.	1.2	8
76	Changes in microbial community composition in the leaf litter of successional communities after volcanic eruptions of Mount Usu, northern Japan. Journal of Mountain Science, 2016, 13, 1652-1662.	2.0	8
77	Hierarchical classification of land use types using multiple vegetation indices to measure the effects of urbanization. Environmental Monitoring and Assessment, 2018, 190, 342.	2.7	8
78	Succession of litter-decomposing microbial organisms in deciduous birch and oak forests, northern Japan. Acta Oecologica, 2019, 101, 103485.	1.1	8
79	Predicting the probable impact of climate change on the distribution of threatened Shorea robusta forest in Purbachal, Bangladesh. Global Ecology and Conservation, 2020, 24, e01250.	2.1	8
80	Response of riparian vegetation to the removal of the invasive forb, <i>Solidago gigantea</i>, and its litter layer. Weed Biology and Management, 2012, 12, 63-70.	1.4	7
81	Habitat Differentiation Between Drosera anglica and D. rotundifolia in a Post-Mined Peatland, Northern Japan. Wetlands, 2014, 34, 943-953.	1.5	7
82	Vegetation changes from 1984 to 2008 on Mount Usu, northern Japan, after the 1977â€"1978 eruptions. Ecological Research, 2019, 34, 813-820.	1.5	7
83	Investigation of the Effects of Distance from River and Peat Depth on Tropical Wetland Forest Communities. Tropics, 2003, 12, 287-294.	0.8	7
84	Survival and Changes in Germination Response of Rumex obtusifolius Polygonum longisetum and Oenothera biennis during Burial at Three Soil Depths. American Journal of Environmental Sciences, 2006, 2, 74-78.	0.5	7
85	Seed survival for three decades under thick tephra. Seed Science Research, 2010, 20, 201-207.	1.7	6
86	Hares promote seed dispersal and seedling establishment after volcanic eruptions. Acta Oecologica, 2015, 63, 22-27.	1.1	6
87	Occurrence patterns of facilitation by shade along a water gradient are mediated by species traits. Acta Oecologica, 2015, 62, 45-52.	1.1	6
88	Differences in nitrogen redistribution between early and late plant colonizers through ectomycorrhizal fungi on the volcano Mount Koma. Ecological Research, 2016, 31, 557-567.	1.5	6
89	Effect of a deciduous shrub on microclimate along an elevation gradient, Mount Koma, northern Japan. Climate Research, 2012, 51, 1-10.	1.1	6
90	A preliminary report on the vegetation zonation of palsas in the Arctic National Wildlife Refuge, northern Alaska, USA. Ecological Research, 2008, 23, 787-793.	1.5	5

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91	The effects of shrub patch sizes on the colonization of pioneer plants on the volcano Mount Koma, northern Japan. Acta Oecologica, 2018, 93, 48-55.	1.1	5
92	Annual growth of invasive Larix kaempferi seedlings with reference to microhabitat and ectomycorrhizal colonization on a volcano. Journal of Plant Research, 2007, 120, 329-336.	2.4	4
93	Baidzharakhs (relic mounds) increase plant community diversity by interrupting zonal vegetation distribution along the Arctic Sea, northern Siberia. Polar Biology, 2010, 33, 565-570.	1.2	4
94	Remote sensing of forest diversities: the effect of image resolution and spectral plot extent. International Journal of Remote Sensing, 2021, 42, 5985-6002.	2.9	4
95	Tree seedling performance in microhabitats along an elevational gradient on Mount Koma, Japan. Journal of Vegetation Science, 2005, 16, 647.	2.2	4
96	Buried seed populations on the volcano Mt. Usu, northern Japan, ten years after the 1977-78 eruptions. Ecological Research, 1989, 4, 167-173.	1.5	3
97	Characteristics of â€œNumber of Veinsâ€•to Estimate Leaf Maturity in Pteris mutilata (Pteridaceae). Journal of Plant Research, 2000, 113, 415-418.	2.4	3
98	Quantification of laminarialean zoospores in seawater by realâ€time PCR. Phycological Research, 2020, 68, 57-62.	1.6	3
99	Changes in Cell Wall Structure During Rhizoid Formation of Silvetia babingtonii (Fucales,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.3	3
100	PITS CONSERVE SPECIES DIVERSITY IN AN OVERGRAZED GRASSLAND. Applied Ecology and Environmental Research, 2007, 5, 25-36.	0.5	3
101	Differences in canopy and understorey diversities after the eruptions of Mount Usu, northern Japan â€" Impacts of early forest management. Forest Ecology and Management, 2022, 510, 120106.	3.2	3
102	Preliminary study on grassy marshland vegetation, western part of Sichuan province, China, in relation to yak-grazing. Ecological Research, 1990, 5, 271-276.	1.5	2
103	Faunal Make-up and Abundance of Rodents 17 Years after Volcanic Eruptions. Northwest Science, 2007, 81, 333-336.	0.2	2
104	Maintenance of an abrupt boundary between needle-leaved and broad-leaved forests in a wetland near coast. Journal of Forestry Research, 2009, 20, 91-98.	3.6	2
105	Dispersal timing, palatability and caching of acorns of <i>Aesculus turbinata</i> Bl. Plant Biosystems, 2011, 145, 798-801.	1.6	2
106	The responses of an early (Rhynchospora alba) and a late (Molinia japonica) colonizer to solar radiation in a boreal wetland after peat mining. Wetlands Ecology and Management, 2016, 24, 521-532.	1.5	2
107	Frond size, shape and fertility of Thelypteris confluens (Thunb.) C. V. Morton in wetlands disturbed by human activities in Hokkaido, northern Japan. Flora: Morphology, Distribution, Functional Ecology of Plants, 2020, 269, 151630.	1.2	2
108	Differences in C, N, Î´13C and Î´15N among plant functional types after a wildfire in a black spruce forest, interior Alaska. Canadian Journal of Forest Research, 0, , .	1.7	2

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109	Roadside grassland vegetation in an oak forest, Oak Creek Wildlife Area, the Cascade Range, USA. IForest, 2010, 3, 52-55.	1.4	1
110	Comparison of vegetation patch dynamics after the eruptions of the volcano Mount Usu, northern Japan, in 1977â€“1978 and 2000, detected by imagery chronosequence. Ecological Research, 2021, 36, 329-339.	1.5	1
111	Distribution pattern of exotic plants in the metropolitan area of Sapporo (Japan) in relation to life form and immigration date. Feddes Repertorium, 2011, 122, 275-286.	0.5	0
112	The seed germination of berry-producing ericaceous shrubs in relation to dispersal by hare. Botany Letters, 2020, 167, 424-429.	1.4	0
113	Formation and establishment of neopolyploids from sterile hybrids in Drosera in a disturbed environment. Folia Geobotanica, 2020, 55, 185-193.	0.9	0
114	Role of<i>Salix reinii</i>patches in spatio-temporal patterns of cohabitants on a Japanese volcano. Journal of Plant Ecology, 2022, 15, 71-84.	2.3	0