

# Takashi Osono

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125 papers	3,527 citations	35 h-index	53 g-index
131 ext. papers	3,998 ext. citations	2.7 avg, IF	5.93 L-index

#	Paper	IF	Citations
125	Diversity and host recurrence of fungi associated with the bleached leaf litter in a subtropical forest. <i>Fungal Ecology</i> , <b>2021</b> , 54, 101113	4.1	
124	Prolonged impacts of past agriculture and ungulate overabundance on soil fungal communities in restored forests. <i>Environmental DNA</i> , <b>2021</b> , 3, 930-939	7.6	
123	Variability of decomposing ability among fungi associated with the bleaching of subtropical leaf litter. <i>Mycologia</i> , <b>2021</b> , 113, 703-714	2.4	1
122	Taxonomic, functional, and phylogenetic diversity of fungi in a forest-tundra ecotone in Québec. <i>Polar Science</i> , <b>2021</b> , 27, 100594	2.3	1
121	Integrative assessment of the effects of shrub coverage on soil respiration in a tundra ecosystem. <i>Polar Science</i> , <b>2021</b> , 27, 100562	2.3	
120	Bleaching of leaf litter accelerates the decomposition of recalcitrant components and mobilization of nitrogen in a subtropical forest. <i>Scientific Reports</i> , <b>2021</b> , 11, 1787	4.9	1
119	The ectomycorrhizal fungal communities react differently to climatic, edaphic and spatial variables depending on their host species. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 2550-2561	4.1	0
118	Occurrence, hyphal growth rate, and carbon source utilization of fungi from continental Antarctica. <i>Polar Science</i> , <b>2021</b> , 100738	2.3	0
117	Evaluation of host effects on ectomycorrhizal fungal community compositions in a forested landscape in northern Japan. <i>Royal Society Open Science</i> , <b>2020</b> , 7, 191952	3.3	6
116	Two-years of investigation revealed the inconsistency of seasonal dynamics of an ectomycorrhizal fungal community in Japanese cool-temperate forest across years. <i>FEMS Microbiology Ecology</i> , <b>2020</b> , 96,	4.3	2
115	Identifying microbial drivers promoting plant growth on soil amended with composted aquatic plant: insight into nutrient transfer from aquatic to terrestrial systems. <i>Limnology</i> , <b>2020</b> , 21, 443-452	1.7	4
114	Positive interaction facilitates landscape homogenization by shrub expansion in the forest-tundra ecotone. <i>Journal of Vegetation Science</i> , <b>2020</b> , 31, 234-244	3.1	3
113	Functional diversity of ligninolytic fungi associated with leaf litter decomposition. <i>Ecological Research</i> , <b>2020</b> , 35, 30-43	1.9	23
112	Decomposition of Organic Chemical Components in Wood by Tropical Species. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2020</b> , 6,	5.6	1
111	Diversity and Geographic Distribution of Ligninolytic Fungi Associated With Leaf Litter in Japan. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 595427	5.7	3
110	Bacterial 16S rDNA and alkaline phosphatase gene diversity in soil applied with composted aquatic plants. <i>Limnology</i> , <b>2020</b> , 21, 357-364	1.7	3
109	Light quality determines primary production in nutrient-poor small lakes. <i>Scientific Reports</i> , <b>2019</b> , 9, 4639	4.9	7

108	Biogeographic Patterns of Ectomycorrhizal Fungal Communities Associated With Across the Japanese Archipelago. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2656	5.7	3
107	Taxonomic, functional, and phylogenetic diversity of fungi along primary successional and elevational gradients near Mount Robson, British Columbia. <i>Polar Science</i> , <b>2019</b> , 21, 165-171	2.3	6
106	Fungal succession and decomposition of composted aquatic plants applied to soil. <i>Fungal Ecology</i> , <b>2018</b> , 35, 34-41	4.1	7
105	Leaf litter decomposition of 12 tree species in a subtropical forest in Japan. <i>Ecological Research</i> , <b>2017</b> , 32, 413-422	1.9	13
104	Biodiversity-Ecosystem function relationships change through primary succession. <i>Oikos</i> , <b>2017</b> , 126, 1637-1649	4	23
103	Litter quality control of decomposition of leaves, twigs, and sapwood by the white-rot fungus <i>Trametes versicolor</i> . <i>European Journal of Soil Biology</i> , <b>2017</b> , 80, 1-8	2.9	10
102	Geographical distributions of rhytismataceous fungi on <i>Camellia japonica</i> leaf litter in Japan. <i>Fungal Ecology</i> , <b>2017</b> , 26, 37-44	4.1	6
101	Abundant deposits of nutrients inside lakebeds of Antarctic oligotrophic lakes. <i>Polar Biology</i> , <b>2017</b> , 40, 603-613	2	13
100	Abundance, richness, and succession of microfungi in relation to chemical changes in Antarctic moss profiles. <i>Polar Biology</i> , <b>2017</b> , 40, 2457-2468	2	6
99	Disentangling relationships between plant diversity and decomposition processes under forest restoration. <i>Journal of Applied Ecology</i> , <b>2017</b> , 54, 80-90	5.8	47
98	Accumulation of carbon and nitrogen in vegetation and soils of deglaciated area in Ellesmere Island, high-Arctic Canada. <i>Polar Science</i> , <b>2016</b> , 10, 288-296	2.3	21
97	Low multifunctional redundancy of soil fungal diversity at multiple scales. <i>Ecology Letters</i> , <b>2016</b> , 19, 249-259	5.9	75
96	Temporal distance decay of similarity of ectomycorrhizal fungal community composition in a subtropical evergreen forest in Japan. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92, fiw061	4.3	21
95	Disentangling the relative importance of host tree community, abiotic environment and spatial factors on ectomycorrhizal fungal assemblages along an elevation gradient. <i>FEMS Microbiology Ecology</i> , <b>2016</b> , 92, fiw044	4.3	38
94	Diversity and community assembly of moss-associated fungi in ice-free coastal outcrops of continental Antarctica. <i>Fungal Ecology</i> , <b>2016</b> , 24, 94-101	4.1	20
93	Beech cupules share endophytic fungi with leaves and twigs. <i>Mycoscience</i> , <b>2015</b> , 56, 252-256	1.2	14
92	Effects of litter type, origin of isolate, and temperature on decomposition of leaf litter by macrofungi. <i>Journal of Forest Research</i> , <b>2015</b> , 20, 77-84	1.4	10
91	Mass, nitrogen content, and decomposition of woody debris in forest stands affected by excreta deposited in nesting colonies of Great Cormorant. <i>Ecological Research</i> , <b>2015</b> , 30, 555-561	1.9	5

90	Functional redundancy of multiple forest taxa along an elevational gradient: predicting the consequences of non-random species loss. <i>Journal of Biogeography</i> , <b>2015</b> , 42, 1383-1396	4.1	21
89	Bleaching of leaf litter and associated microfungi in subboreal and subalpine forests. <i>Canadian Journal of Microbiology</i> , <b>2015</b> , 61, 735-43	3.2	6
88	Diversity, resource utilization, and phenology of fruiting bodies of litter-decomposing macrofungi in subtropical, temperate, and subalpine forests. <i>Journal of Forest Research</i> , <b>2015</b> , 20, 60-68	1.4	10
87	Decomposing ability of diverse litter-decomposer macrofungi in subtropical, temperate, and subalpine forests. <i>Journal of Forest Research</i> , <b>2015</b> , 20, 272-280	1.4	7
86	Hyphal length in the forest floor and soil of subtropical, temperate, and subalpine forests. <i>Journal of Forest Research</i> , <b>2015</b> , 20, 69-76	1.4	5
85	Application of <sup>13</sup> C NMR spectroscopy to characterize organic chemical components of decomposing coarse woody debris from different climatic regions. <i>Annals of Forest Research</i> , <b>2015</b> , 58, 3	2.4	3
84	Resource utilization of wood decomposers: mycelium nuclear phases and host tree species affect wood decomposition by Dacrymycetes. <i>Fungal Ecology</i> , <b>2014</b> , 9, 11-16	4.1	7
83	Plant species effect on the decomposition and chemical changes of leaf litter in grassland and pine and oak forest soils. <i>Plant and Soil</i> , <b>2014</b> , 376, 411-421	4.2	35
82	Metagenomic Approach Yields Insights into Fungal Diversity and Functioning. <i>SpringerBriefs in Biology</i> , <b>2014</b> , 1-23	0.5	12
81	The roles of microorganisms in litter decomposition and soil formation. <i>Biogeochemistry</i> , <b>2014</b> , 118, 471-486	3.86	51
80	Diversity and Ecology of Endophytic and Epiphytic Fungi of Tree Leaves in Japan: A Review <b>2014</b> , 3-26		7
79	Fungal colonization and decomposition of leaves and stems of <i>Salix arctica</i> on deglaciated moraines in high-Arctic Canada. <i>Polar Science</i> , <b>2014</b> , 8, 207-216	2.3	8
78	Species Diversity and Community Structure. <i>SpringerBriefs in Biology</i> , <b>2014</b> ,	0.5	2
77	Accumulation and decay dynamics of coarse woody debris in a Japanese old-growth subalpine coniferous forest. <i>Ecological Research</i> , <b>2014</b> , 29, 257-269	1.9	22
76	Assessment of the fungal diversity and succession of ligninolytic endophytes in <i>Camellia japonica</i> leaves using clone library analysis. <i>Mycologia</i> , <b>2013</b> , 105, 837-43	2.4	18
75	Comparison of the diversity, composition, and host recurrence of xylariaceous endophytes in subtropical, cool temperate, and subboreal regions in Japan. <i>Population Ecology</i> , <b>2013</b> , 56, 289	2.1	5
74	Diversity and ubiquity of xylariaceous endophytes in live and dead leaves of temperate forest trees. <i>Mycoscience</i> , <b>2013</b> , 54, 54-61	1.2	22
73	Microfungi associated with withering willow wood in ground contact near Syowa Station, East Antarctica for 40 years. <i>Polar Biology</i> , <b>2013</b> , 36, 919-924	2	10

72	Microfungi associated with a myrmecophyte <i>Macaranga bancana</i> . <i>Tropics</i> , <b>2013</b> , 22, 19-25	0.9	1
71	Microfungal diversity associated with <i>Kindbergia oregana</i> in successional forests of British Columbia. <i>Ecological Research</i> , <b>2012</b> , 27, 35-41	1.9	10
70	Fungal decomposition of woody debris of <i>Castanopsis sieboldii</i> in a subtropical old-growth forest. <i>Ecological Research</i> , <b>2012</b> , 27, 211-218	1.9	13
69	Colonization and decomposition of leaf litter by ligninolytic fungi in <i>Acacia mangium</i> plantations and adjacent secondary forests. <i>Journal of Forest Research</i> , <b>2012</b> , 17, 51-57	1.4	5
68	Fungal succession and decomposition of beech cupule litter. <i>Ecological Research</i> , <b>2012</b> , 27, 735-743	1.9	11
67	Abundance and diversity of fungi in relation to chemical changes in arctic moss profiles. <i>Polar Science</i> , <b>2012</b> , 6, 121-131	2.3	12
66	Endophytic fungi associated with leaves of Betulaceae in Japan. <i>Canadian Journal of Microbiology</i> , <b>2012</b> , 58, 507-15	3.2	12
65	Decomposition of wood, petiole and leaf litter by <i>Xylaria</i> species from northern Thailand. <i>Fungal Ecology</i> , <b>2011</b> , 4, 210-218	4.1	24
64	Wood decomposing abilities of diverse lignicolous fungi on nondecayed and decayed beech wood. <i>Mycologia</i> , <b>2011</b> , 103, 474-82	2.4	54
63	Selective lignin decomposition and nitrogen mineralization in forest litter colonized by <i>Clitocybe</i> sp.. <i>European Journal of Soil Biology</i> , <b>2011</b> , 47, 114-121	2.9	21
62	Diversity and functioning of fungi associated with leaf litter decomposition in Asian forests of different climatic regions. <i>Fungal Ecology</i> , <b>2011</b> , 4, 375-385	4.1	30
61	Colonization and lignin decomposition of pine needle litter by <i>Lophodermium pinastri</i> . <i>Forest Pathology</i> , <b>2011</b> , 41, 156-162	1.2	28
60	Effects of temperature and litter type on fungal growth and decomposition of leaf litter. <i>Mycoscience</i> , <b>2011</b> , 52, 327-332	1.2	18
59	Decomposition of grass leaves by ligninolytic litter-decomposing fungi. <i>Grassland Science</i> , <b>2010</b> , 56, 31-36	3	18
58	Internal transcribed spacer haplotype diversity and their geographical distribution in <i>Dasyscyphella longistipitata</i> (Hyaloscyphaceae, Helotiales) occurring on <i>Fagus crenata</i> cupules in Japan. <i>Mycoscience</i> , <b>2010</b> , 51, 116-122	1.2	6
57	Beech log decomposition by wood-inhabiting fungi in a cool temperate forest floor: a quantitative analysis focused on the decay activity of a dominant basidiomycete <i>Omphalotus guepiniformis</i> . <i>Ecological Research</i> , <b>2010</b> , 25, 959-966	1.9	20
56	Effects of prior decomposition of <i>Camellia japonica</i> leaf litter by an endophytic fungus on the subsequent decomposition by fungal colonizers. <i>Mycoscience</i> , <b>2009</b> , 50, 52-55	1.2	31
55	Dynamics of physicochemical properties and occurrence of fungal fruit bodies during decomposition of coarse woody debris of <i>Fagus crenata</i> . <i>Journal of Forest Research</i> , <b>2009</b> , 14, 20-29	1.4	48

54	Effects of attack of saprobic fungi on twig litter decomposition by endophytic fungi. <i>Ecological Research</i> , <b>2009</b> , 24, 1067-1073	1.9	51
53	Inter- and intraspecific variations of the chemical properties of high-Arctic mosses along water-regime gradients. <i>Polar Science</i> , <b>2009</b> , 3, 134-138	2.3	4
52	Altitudinal distribution of microfungi associated with <i>Betula ermanii</i> leaf litter on Mt. Rishiri, northern Japan. <i>Canadian Journal of Microbiology</i> , <b>2009</b> , 55, 783-9	3.2	15
51	Microfungus communities of Japanese beech logs at different stages of decay in a cool temperate deciduous forest. <i>Canadian Journal of Forest Research</i> , <b>2009</b> , 39, 1606-1614	1.9	26
50	Colonization and decomposition of salal ( <i>Gaultheria shallon</i> ) leaf litter by saprobic fungi in successional forests on coastal British Columbia. <i>Canadian Journal of Microbiology</i> , <b>2008</b> , 54, 427-34	3.2	17
49	Endophytic and epiphytic phyllosphere fungi of <i>Camellia japonica</i> : seasonal and leaf age-dependent variations. <i>Mycologia</i> , <b>2008</b> , 100, 387-91	2.4	74
48	Carbon isotope dynamics during leaf litter decomposition with reference to lignin fractions. <i>Ecological Research</i> , <b>2008</b> , 23, 51-55	1.9	46
47	Changes in the structure and heterogeneity of vegetation and microsite environments with the chronosequence of primary succession on a glacier foreland in Ellesmere Island, high arctic Canada. <i>Ecological Research</i> , <b>2008</b> , 23, 363-370	1.9	45
46	Fungal colonization and decomposition of <i>Castanopsis sieboldii</i> leaves in a subtropical forest. <i>Ecological Research</i> , <b>2008</b> , 23, 909-917	1.9	32
45	Microfungi associated with <i>Abies</i> needles and <i>Betula</i> leaf litter in a subalpine coniferous forest. <i>Canadian Journal of Microbiology</i> , <b>2007</b> , 53, 1-7	3.2	27
44	Ecology of ligninolytic fungi associated with leaf litter decomposition. <i>Ecological Research</i> , <b>2007</b> , 22, 955-974	1.9	287
43	Endophytic and epiphytic phyllosphere fungi of red-osier dogwood ( <i>Cornus stolonifera</i> ) in British Columbia. <i>Mycoscience</i> , <b>2007</b> , 48, 47-52	1.2	9
42	Effects of clear-cutting on decomposition processes in leaf litter and the nitrogen and lignin dynamics in a temperate secondary forest. <i>Journal of Forest Research</i> , <b>2007</b> , 12, 247-254	1.4	14
41	Immobilization of avian excreta-derived nutrients and reduced lignin decomposition in needle and twig litter in a temperate coniferous forest. <i>Soil Biology and Biochemistry</i> , <b>2006</b> , 38, 517-525	7.5	40
40	Reduction of fungal growth and lignin decomposition in needle litter by avian excreta. <i>Soil Biology and Biochemistry</i> , <b>2006</b> , 38, 1623-1630	7.5	28
39	Fungal colonization as affected by litter depth and decomposition stage of needle litter. <i>Soil Biology and Biochemistry</i> , <b>2006</b> , 38, 2743-2752	7.5	36
38	Consequences of gall tissues as a food resource for a tortricid moth attacking cecidomyiid galls. <i>Canadian Entomologist</i> , <b>2006</b> , 138, 390-398	0.7	7
37	Fungal decomposition of <i>Abies</i> needle and <i>Betula</i> leaf litter. <i>Mycologia</i> , <b>2006</b> , 98, 172-9	2.4	83

36	Role of phyllosphere fungi of forest trees in the development of decomposer fungal communities and decomposition processes of leaf litter. <i>Canadian Journal of Microbiology</i> , <b>2006</b> , 52, 701-16	3.2	142
35	Fungal decomposition of Abies needle and Betula leaf litter. <i>Mycologia</i> , <b>2006</b> , 98, 172-179	2.4	58
34	Pattern of natural 15N abundance in lakeside forest ecosystem affected by cormorant-derived nitrogen. <i>Hydrobiologia</i> , <b>2006</b> , 567, 69-86	2.4	30
33	Development and seasonal variations of Lophodermium populations on Pinus thunbergii needle litter. <i>Mycoscience</i> , <b>2006</b> , 47, 242-247	1.2	18
32	Pattern of natural 15N abundance in lakeside forest ecosystem affected by cormorant-derived nitrogen <b>2006</b> , 69-86		1
31	Colonization and succession of fungi during decomposition of Swida controversa leaf litter. <i>Mycologia</i> , <b>2005</b> , 97, 589-597	2.4	33
30	Decomposition of Japanese beech wood by diverse fungi isolated from a cool temperate deciduous forest. <i>Mycoscience</i> , <b>2005</b> , 46, 97-101	1.2	29
29	Small-scale variation in chemical property within logs of Japanese beech in relation to spatial distribution and decay ability of fungi. <i>Mycoscience</i> , <b>2005</b> , 46, 209-214	1.2	9
28	Seasonal and leaf age-dependent changes in occurrence of phyllosphere fungi of giant dogwood. <i>Mycoscience</i> , <b>2005</b> , 46, 273-279	1.2	22
27	Colonization and lignin decomposition of Camellia japonica leaf litter by endophytic fungi. <i>Mycoscience</i> , <b>2005</b> , 46, 280-286	1.2	47
26	Decomposition of organic chemical components in relation to nitrogen dynamics in leaf litter of 14 tree species in a cool temperate forest. <i>Ecological Research</i> , <b>2005</b> , 20, 41-49	1.9	77
25	Limit values for decomposition and convergence process of lignocellulose fraction in decomposing leaf litter of 14 tree species in a cool temperate forest. <i>Ecological Research</i> , <b>2005</b> , 20, 51-58	1.9	30
24	Fungal succession and decomposition of Camellia japonica leaf litter. <i>Ecological Research</i> , <b>2005</b> , 20, 599-609	1.9	56
23	Nitrogen and phosphorus enrichment and balance in forests colonized by cormorants: Implications of the influence of soil adsorption. <i>Plant and Soil</i> , <b>2005</b> , 268, 89-101	4.2	52
22	Colonization and succession of fungi during decomposition of Swida controversa leaf litter. <i>Mycologia</i> , <b>2005</b> , 97, 589-597	2.4	51
21	Accumulation and release of nitrogen and phosphorus in relation to lignin decomposition in leaf litter of 14 tree species. <i>Ecological Research</i> , <b>2004</b> , 19, 593-602	1.9	84
20	Phyllosphere fungi on living and decomposing leaves of giant dogwood. <i>Mycoscience</i> , <b>2004</b> , 45, 35-41	1.2	37
19	Distribution of phyllosphere fungi within the canopy of giant dogwood. <i>Mycoscience</i> , <b>2004</b> , 45, 161-168	1.2	26

18	Potassium, calcium, and magnesium dynamics during litter decomposition in a cool temperate forest. <i>Journal of Forest Research</i> , <b>2004</b> , 9, 23-31	1.4	50
17	Substrate-associated seedling recruitment and establishment of major conifer species in an old-growth subalpine forest in central Japan. <i>Forest Ecology and Management</i> , <b>2004</b> , 196, 287-297	3.9	58
16	Roles of diverse fungi in larch needle-litter decomposition. <i>Mycologia</i> , <b>2003</b> , 95, 820-826	2.4	55
15	Effects of prior decomposition of beech leaf litter by phyllosphere fungi on substrate utilization by fungal decomposers. <i>Mycoscience</i> , <b>2003</b> , 44, 41-45	1.2	37
14	Colonization of Japanese beech leaves by phyllosphere fungi. <i>Mycoscience</i> , <b>2003</b> , 44, 437-441	1.2	23
13	Fungal ingrowth on forest floor and decomposing needle litter of <i>Chamaecyparis obtusa</i> in relation to resource availability and moisture condition. <i>Soil Biology and Biochemistry</i> , <b>2003</b> , 35, 1423-1431	7.5	45
12	Roles of Diverse Fungi in Larch Needle-Litter Decomposition. <i>Mycologia</i> , <b>2003</b> , 95, 820	2.4	32
11	Roles of diverse fungi in larch needle-litter decomposition. <i>Mycologia</i> , <b>2003</b> , 95, 820-6	2.4	4
10	Comparison of litter decomposing ability among diverse fungi in a cool temperate deciduous forest in Japan. <i>Mycologia</i> , <b>2002</b> , 94, 421-427	2.4	128
9	Phyllosphere fungi on leaf litter of <i>Fagus crenata</i> : occurrence, colonization, and succession. <i>Canadian Journal of Botany</i> , <b>2002</b> , 80, 460-469		61
8	Comparison of Litter Decomposing Ability among Diverse Fungi in a Cool Temperate Deciduous Forest in Japan. <i>Mycologia</i> , <b>2002</b> , 94, 421	2.4	75
7	Abundance, diversity, and species composition of fungal communities in a temperate forest affected by excreta of the Great Cormorant <i>Phalacrocorax carbo</i> . <i>Soil Biology and Biochemistry</i> , <b>2002</b> , 34, 1537-1547	7.5	33
6	Comparison of litter decomposing ability among diverse fungi in a cool temperate deciduous forest in Japan. <i>Mycologia</i> , <b>2002</b> , 94, 421-7	2.4	22
5	Organic chemical and nutrient dynamics in decomposing beech leaf litter in relation to fungal ingrowth and succession during 3-year decomposition processes in a cool temperate deciduous forest in Japan. <i>Ecological Research</i> , <b>2001</b> , 16, 649-670	1.9	122
4	Forest Floor Quality and N Transformations in a Temperate Forest Affected by Avian-Derived N Deposition. <i>Water, Air, and Soil Pollution</i> , <b>2001</b> , 130, 679-684	2.6	24
3	Effects of organic chemical quality and mineral nitrogen addition on lignin and holocellulose decomposition of beech leaf litter by <i>Xylaria</i> sp.. <i>European Journal of Soil Biology</i> , <b>2001</b> , 37, 17-23	2.9	53
2	Decomposing ability of interior and surface fungal colonizers of beech leaves with reference to lignin decomposition. <i>European Journal of Soil Biology</i> , <b>1999</b> , 35, 51-56	2.9	53
1	Biogeographic patterns of ectomycorrhizal fungal communities associated with <i>Castanopsis sieboldii</i> across the Japanese archipelago		1

