Takashi Osono

List of Publications by Year
in descending order

127	4,419	81839	128225
papers	citations	39 h-index	60 g-index

131	131	131	4323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Occurrence, hyphal growth rate, and carbon source utilization of fungi from continental Antarctica. Polar Science, 2022, 31, 100738.	0.5	1
2	Metabolic Diversity of Xylariaceous Fungi Associated with Leaf Litter Decomposition. Journal of Fungi (Basel, Switzerland), 2022, 8, 701.	1.5	2
3	Taxonomic, functional, and phylogenetic diversity of fungi in a forest-tundra ecotone in QuÃ©bec. Polar Science, 2021, 27, 100594.	0.5	5
4	Integrative assessment of the effects of shrub coverage on soil respiration in a tundra ecosystem. Polar Science, 2021, 27, 100562.	0.5	0
5	Bleaching of leaf litter accelerates the decomposition of recalcitrant components and mobilization of nitrogen in a subtropical forest. Scientific Reports, 2021, 11, 1787.	1.6	5
6	Prolonged impacts of past agriculture and ungulate overabundance on soil fungal communities in restored forests. Environmental DNA, 2021, 3, 930-939.	3.1	2
7	Variability of decomposing ability among fungi associated with the bleaching of subtropical leaf litter. Mycologia, 2021, 113, 703-714.	0.8	4
8	The ectomycorrhizal fungal communities react differently to climatic, edaphic and spatial variables depending on their host species. Journal of Biogeography, 2021, 48, 2550-2561.	1.4	3
9	Functionally explicit partitioning of plant Î²-diversity reveal soil fungal assembly in the subarctic tundra. FEMS Microbiology Ecology, 2021, 97, .	1.3	1
10	Diversity and host recurrence of fungi associated with the bleached leaf litter in a subtropical forest. Fungal Ecology, 2021, 54, 101113.	0.7	0
11	Bacterial 16S rDNA and alkaline phosphatase gene diversity in soil applied with composted aquatic plants. Limnology, 2020, 21, 357-364.	0.8	5
12	Positive interaction facilitates landscape homogenization by shrub expansion in the forestâ€“tundra ecotone. Journal of Vegetation Science, 2020, 31, 234-244.	1.1	6
13	Functional diversity of ligninolytic fungi associated with leaf litter decomposition. Ecological Research, 2020, 35, 30-43.	0.7	44
14	Decomposition of Organic Chemical Components in Wood by Tropical Xylaria Species. Journal of Fungi (Basel, Switzerland), 2020, 6, 186.	1.5	4
15	Diversity and Geographic Distribution of Ligninolytic Fungi Associated With Castanopsis sieboldii Leaf Litter in Japan. Frontiers in Microbiology, 2020, 11, 595427.	1.5	7
16	Evaluation of host effects on ectomycorrhizal fungal community compositions in a forested landscape in northern Japan. Royal Society Open Science, 2020, 7, 191952.	1.1	10
17	Two-years of investigation revealed the inconsistency of seasonal dynamics of an ectomycorrhizal fungal community in Japanese cool-temperate forest across years. FEMS Microbiology Ecology, 2020, 96, .	1.3	3
18	Identifying microbial drivers promoting plant growth on soil amended with composted aquatic plant: insight into nutrient transfer from aquatic to terrestrial systems. Limnology, 2020, 21, 443-452.	0.8	5

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19	Light quality determines primary production in nutrient-poor small lakes. Scientific Reports, 2019, 9, 4639.	1.6	18
20	Biogeographic Patterns of Ectomycorrhizal Fungal Communities Associated With Castanopsis sieboldii Across the Japanese Archipelago. Frontiers in Microbiology, 2019, 10, 2656.	1.5	8
21	Taxonomic, functional, and phylogenetic diversity of fungi along primary successional and elevational gradients near Mount Robson, British Columbia. Polar Science, 2019, 21, 165-171.	0.5	9
22	Fungal succession and decomposition of composted aquatic plants applied to soil. Fungal Ecology, 2018, 35, 34-41.	0.7	11
23	Leaf litter decomposition of 12 tree species in a subtropical forest in Japan. Ecological Research, 2017, 32, 413-422.	0.7	21
24	Biodiversityâ€“ecosystem function relationships change through primary succession. Oikos, 2017, 126, 1637-1649.	1.2	37
25	Litter quality control of decomposition of leaves, twigs, and sapwood by the white-rot fungus Trametes versicolor. European Journal of Soil Biology, 2017, 80, 1-8.	1.4	12
26	Geographical distributions of rhytismataceous fungi on Camellia japonica leaf litter in Japan. Fungal Ecology, 2017, 26, 37-44.	0.7	8
27	Abundant deposits of nutrients inside lakebeds of Antarctic oligotrophic lakes. Polar Biology, 2017, 40, 603-613.	0.5	16
28	Abundance, richness, and succession of microfungi in relation to chemical changes in Antarctic moss profiles. Polar Biology, 2017, 40, 2457-2468.	0.5	11
29	Disentangling relationships between plant diversity and decomposition processes under forest restoration. Journal of Applied Ecology, 2017, 54, 80-90.	1.9	71
30	Diversity and community assembly of moss-associated fungi in ice-free coastal outcrops of continental Antarctica. Fungal Ecology, 2016, 24, 94-101.	0.7	29
31	Accumulation of carbon and nitrogen in vegetation and soils of deglaciated area in Ellesmere Island, high-Arctic Canada. Polar Science, 2016, 10, 288-296.	0.5	30
32	Low multifunctional redundancy of soil fungal diversity at multiple scales. Ecology Letters, 2016, 19, 249-259.	3.0	128
33	Temporal distance decay of similarity of ectomycorrhizal fungal community composition in a subtropical evergreen forest in Japan. FEMS Microbiology Ecology, 2016, 92, fiw061.	1.3	36
34	Disentangling the relative importance of host tree community, abiotic environment and spatial factors on ectomycorrhizal fungal assemblages along an elevation gradient. FEMS Microbiology Ecology, 2016, 92, fiw044.	1.3	72
35	Decomposing ability of diverse litter-decomposer macrofungi in subtropical, temperate, and subalpine forests. Journal of Forest Research, 2015, 20, 272-280.	0.7	10
36	Hyphal length in the forest floor and soil of subtropical, temperate, and subalpine forests. Journal of Forest Research, 2015, 20, 69-76.	0.7	9

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37	Beech cupules share endophytic fungi with leaves and twigs. Mycoscience, 2015, 56, 252-256.	0.3	16
38	Effects of litter type, origin of isolate, and temperature on decomposition of leaf litter by macrofungi. Journal of Forest Research, 2015, 20, 77-84.	0.7	11
39	Mass, nitrogen content, and decomposition of woody debris in forest stands affected by excreta deposited in nesting colonies of Great Cormorant. Ecological Research, 2015, 30, 555-561.	0.7	7
40	Functional redundancy of multiple forest taxa along an elevational gradient: predicting the consequences of nonâ€random species loss. Journal of Biogeography, 2015, 42, 1383-1396.	1.4	28
41	Bleaching of leaf litter and associated microfungi in subboreal and subalpine forests. Canadian Journal of Microbiology, 2015, 61, 735-743.	0.8	7
42	Diversity, resource utilization, and phenology of fruiting bodies of litter-decomposing macrofungi in subtropical, temperate, and subalpine forests. Journal of Forest Research, 2015, 20, 60-68.	0.7	12
43	Application of 13C NMR spectroscopy to characterize organic chemical components of decomposing coarse woody debris from different climatic regions. Annals of Forest Research, 2015, 58, 3.	0.6	6
44	Comparison of the diversity, composition, and host recurrence of xylariaceous endophytes in subtropical, cool temperate, and subboreal regions in Japan. Population Ecology, 2014, 56, 289-300.	0.7	20
45	Diversity and Ecology of Endophytic and Epiphytic Fungi of Tree Leaves in Japan: A Review. , 2014, , 3-26.		12
46	Fungal colonization and decomposition of leaves and stems of Salix arctica on deglaciated moraines in high-Arctic Canada. Polar Science, 2014, 8, 207-216.	0.5	10
47	Species Diversity and Community Structure. SpringerBriefs in Biology, 2014, , .	0.5	4
48	Accumulation and decay dynamics of coarse woody debris in a Japanese oldâ€growth subalpine coniferous forest. Ecological Research, 2014, 29, 257-269.	0.7	29
49	Resource utilization of wood decomposers: mycelium nuclear phases and host tree species affect wood decomposition by Dacrymycetes. Fungal Ecology, 2014, 9, 11-16.	0.7	7
50	Plant species effect on the decomposition and chemical changes of leaf litter in grassland and pine and oak forest soils. Plant and Soil, 2014, 376, 411-421.	1.8	41
51	Metagenomic Approach Yields Insights into Fungal Diversity and Functioning. SpringerBriefs in Biology, 2014, , 1-23.	0.5	20
52	The roles of microorganisms in litter decomposition and soil formation. Biogeochemistry, 2014, 118, 471-486.	1.7	72
53	Assessment of the fungal diversity and succession of ligninolytic endophytes in Camellia japonica leaves using clone library analysis. Mycologia, 2013, 105, 837-843.	0.8	24
54	Diversity and ubiquity of xylariaceous endophytes in live and dead leaves of temperate forest trees. Mycoscience, 2013, 54, 54-61.	0.3	26

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55	Microfungi associated with withering willow wood in ground contact near Syowa Station, East Antarctica for 40Âyears. Polar Biology, 2013, 36, 919-924.	0.5	14
56	Microfungi associated with a myrmecophyte Macaranga bancana. Tropics, 2013, 22, 19-25.	0.2	2
57	Fungal succession and decomposition of beech cupule litter. Ecological Research, 2012, 27, 735-743.	0.7	13
58	Abundance and diversity of fungi in relation to chemical changes in arctic moss profiles. Polar Science, 2012, 6, 121-131.	0.5	15
59	Endophytic fungi associated with leaves of Betulaceae in Japan. Canadian Journal of Microbiology, 2012, 58, 507-515.	0.8	16
60	Microfungal diversity associated with Kindbergia oregana in successional forests of British Columbia. Ecological Research, 2012, 27, 35-41.	0.7	11
61	Fungal decomposition of woody debris of Castanopsis sieboldii in a subtropical oldâ€growth forest. Ecological Research, 2012, 27, 211-218.	0.7	16
62	Colonization and decomposition of leaf litter by ligninolytic fungi inAcacia mangiumplantations and adjacent secondary forests. Journal of Forest Research, 2012, 17, 51-57.	0.7	5
63	Decomposition of wood, petiole and leaf litter by Xylaria species from northern Thailand. Fungal Ecology, 2011, 4, 210-218.	0.7	27
64	Wood decomposing abilities of diverse lignicolous fungi on nondecayed and decayed beech wood. Mycologia, 2011, 103, 474-482.	0.8	74
65	Selective lignin decomposition and nitrogen mineralization in forest litter colonized by Clitocybe sp.. European Journal of Soil Biology, 2011, 47, 114-121.	1.4	25
66	Diversity and functioning of fungi associated with leaf litter decomposition in Asian forests of different climatic regions. Fungal Ecology, 2011, 4, 375-385.	0.7	37
67	Colonization and lignin decomposition of pine needle litter by Lophodermium pinastri. Forest Pathology, 2011, 41, 156-162.	0.5	29
68	Effects of temperature and litter type on fungal growth and decomposition of leaf litter. Mycoscience, 2011, 52, 327-332.	0.3	18
69	Internal transcribed spacer haplotype diversity and their geographical distribution in Dasyscyphella longistipitata (Hyaloscyphaceae, Helotiales) occurring on Fagus crenata cupules in Japan. Mycoscience, 2010, 51, 116-122.	0.3	7
70	Beech log decomposition by woodâ€inhabiting fungi in a cool temperate forest floor: a quantitative analysis focused on the decay activity of a dominant basidiomycete Omphalotus guepiniformis. Ecological Research, 2010, 25, 959-966.	0.7	23
71	Decomposition of grass leaves by ligninolytic litterâ€decomposing fungi. Grassland Science, 2010, 56, 31-36.	0.6	21
72	Effects of prior decomposition of Camellia japonica leaf litter by an endophytic fungus on the subsequent decomposition by fungal colonizers. Mycoscience, 2009, 50, 52-55.	0.3	42

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73	Dynamics of physicochemical properties and occurrence of fungal fruit bodies during decomposition of coarse woody debris ofFagus crenata. Journal of Forest Research, 2009, 14, 20-29.	0.7	61
74	Effects of attack of saprobic fungi on twig litter decomposition by endophytic fungi. Ecological Research, 2009, 24, 1067-1073.	0.7	54
75	Inter- and intraspecific variations of the chemical properties of high-Arctic mosses along water-regime gradients. Polar Science, 2009, 3, 134-138.	0.5	5
76	Altitudinal distribution of microfungi associated withBetula ermaniileaf litter on Mt. Rishiri, northern Japan. Canadian Journal of Microbiology, 2009, 55, 783-789.	0.8	18
77	Microfungus communities of Japanese beech logs at different stages of decay in a cool temperate deciduous forest. Canadian Journal of Forest Research, 2009, 39, 1606-1614.	0.8	35
78	Carbon isotope dynamics during leaf litter decomposition with reference to lignin fractions. Ecological Research, 2008, 23, 51-55.	0.7	51
79	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. Ecological Research, 2008, 23, 363-370.	0.7	56
80	Fungal colonization and decomposition ofCastanopsis sieboldiileaves in a subtropical forest. Ecological Research, 2008, 23, 909-917.	0.7	35
81	Colonization and decomposition of salal (Gaultheria shallon) leaf litter by saprobic fungi in successional forests on coastal British Columbia. Canadian Journal of Microbiology, 2008, 54, 427-434.	0.8	19
82	Endophytic and epiphytic phyllosphere fungi ofCamellia japonica: seasonal and leaf age-dependent variations. Mycologia, 2008, 100, 387-391.	0.8	97
83	Microfungi associated with Abies needles and Betula leaf litter in a subalpine coniferous forest. Canadian Journal of Microbiology, 2007, 53, 1-7.	0.8	33
84	Ecology of ligninolytic fungi associated with leaf litter decomposition. Ecological Research, 2007, 22, 955-974.	0.7	347
85	Endophytic and epiphytic phyllosphere fungi of red-osier dogwood (Cornus stolonifera) in British Columbia. Mycoscience, 2007, 48, 47-52.	0.3	12
86	Effects of clear-cutting on decomposition processes in leaf litter and the nitrogen and lignin dynamics in a temperate secondary forest. Journal of Forest Research, 2007, 12, 247-254.	0.7	14
87	Role of phyllosphere fungi of forest trees in the development of decomposer fungal communities and decomposition processes of leaf litter. Canadian Journal of Microbiology, 2006, 52, 701-716.	0.8	177
88	Fungal decomposition ofAbiesneedle andBetulaleaf litter. Mycologia, 2006, 98, 172-179.	0.8	66
89	Pattern of natural 15N abundance in lakeside forest ecosystem affected by cormorant-derived nitrogen. Hydrobiologia, 2006, 567, 69-86.	1.0	32
90	Development and seasonal variations of Lophodermium populations on Pinus thunbergii needle litter. Mycoscience, 2006, 47, 242-247.	0.3	19

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91	Immobilization of avian excreta-derived nutrients and reduced lignin decomposition in needle and twig litter in a temperate coniferous forest. Soil Biology and Biochemistry, 2006, 38, 517-525.	4.2	47
92	Reduction of fungal growth and lignin decomposition in needle litter by avian excreta. Soil Biology and Biochemistry, 2006, 38, 1623-1630.	4.2	33
93	Fungal colonization as affected by litter depth and decomposition stage of needle litter. Soil Biology and Biochemistry, 2006, 38, 2743-2752.	4.2	41
94	Consequences of gall tissues as a food resource for a tortricid moth attacking cecidomyiid galls. Canadian Entomologist, 2006, 138, 390-398.	0.4	9
95	Fungal decomposition of Abies needle and Betula leaf litter. Mycologia, 2006, 98, 172-179.	0.8	88
96	Pattern of natural 15N abundance in lakeside forest ecosystem affected by cormorant-derived nitrogen. , 2006, , 69-86.		7
97	Colonization and succession of fungi during decomposition ofSwida controversaleaf litter. Mycologia, 2005, 97, 589-597.	0.8	43
98	Decomposition of Japanese beech wood by diverse fungi isolated from a cool temperate deciduous forest. Mycoscience, 2005, 46, 97-101.	0.3	30
99	Small-scale variation in chemical property within logs of Japanese beech in relation to spatial distribution and decay ability of fungi. Mycoscience, 2005, 46, 209-214.	0.3	9
100	Seasonal and leaf age-dependent changes in occurrence of phyllosphere fungi of giant dogwood. Mycoscience, 2005, 46, 273-279.	0.3	26
101	Colonization and lignin decomposition of Camellia japonica leaf litter by endophytic fungi. Mycoscience, 2005, 46, 280-286.	0.3	62
102	Decomposition of organic chemical components in relation to nitrogen dynamics in leaf litter of 14 tree species in a cool temperate forest. Ecological Research, 2005, 20, 41-49.	0.7	88
103	Limit values for decomposition and convergence process of lignocellulose fraction in decomposing leaf litter of 14 tree species in a cool temperate forest. Ecological Research, 2005, 20, 51-58.	0.7	35
104	Fungal succession and decomposition of Camellia japonica leaf litter. Ecological Research, 2005, 20, 599-609.	0.7	64
105	Nitrogen and phosphorus enrichment and balance in forests colonized by cormorants: Implications of the influence of soil adsorption. Plant and Soil, 2005, 268, 89-101.	1.8	58
106	Colonization and succession of fungi during decomposition of Swida controversa leaf litter. Mycologia, 2005, 97, 589-597.	0.8	58
107	Accumulation and release of nitrogen and phosphorus in relation to lignin decomposition in leaf litter of 14 tree species. Ecological Research, 2004, 19, 593-602.	0.7	106
108	Phyllosphere fungi on living and decomposing leaves of giant dogwood. Mycoscience, 2004, 45, 35-41.	0.3	47

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109	Distribution of phyllosphere fungi within the canopy of giant dogwood. Mycoscience, 2004, 45, 161-168.	0.3	31
110	Potassium, calcium, and magnesium dynamics during litter decomposition in a cool temperate forest. Journal of Forest Research, 2004, 9, 23-31.	0.7	61
111	Substrate-associated seedling recruitment and establishment of major conifer species in an old-growth subalpine forest in central Japan. Forest Ecology and Management, 2004, 196, 287-297.	1.4	70
112	Effects of prior decomposition of beech leaf litter by phyllosphere fungi on substrate utilization by fungal decomposers. Mycoscience, 2003, 44, 41-45.	0.3	44
113	Colonization of Japanese beech leaves by phyllosphere fungi. Mycoscience, 2003, 44, 437-441.	0.3	26
114	Fungal ingrowth on forest floor and decomposing needle litter of Chamaecyparis obtusa in relation to resource availability and moisture condition. Soil Biology and Biochemistry, 2003, 35, 1423-1431.	4.2	52
115	Roles of Diverse Fungi in Larch Needle-Litter Decomposition. Mycologia, 2003, 95, 820.	0.8	33
116	Roles of diverse fungi in larch needle-litter decomposition. Mycologia, 2003, 95, 820-826.	0.8	64
117	Roles of diverse fungi in larch needle-litter decomposition. Mycologia, 2003, 95, 820-6.	0.8	5
118	Comparison of litter decomposing ability among diverse fungi in a cool temperate deciduous forest in Japan. Mycologia, 2002, 94, 421-427.	0.8	145
119	Phyllosphere fungi on leaf litter of Fagus crenata: occurrence, colonization, and succession. Canadian Journal of Botany, 2002, 80, 460-469.	1.2	71
120	Comparison of Litter Decomposing Ability among Diverse Fungi in a Cool Temperate Deciduous Forest in Japan. Mycologia, 2002, 94, 421.	0.8	77
121	Abundance, diversity, and species composition of fungal communities in a temperate forest affected by excreta of the Great Cormorant Phalacrocorax carbo. Soil Biology and Biochemistry, 2002, 34, 1537-1547.	4.2	41
122	Comparison of litter decomposing ability among diverse fungi in a cool temperate deciduous forest in Japan. Mycologia, 2002, 94, 421-7.	0.8	24
123	Effects of organic chemical quality and mineral nitrogen addition on lignin and holocellulose decomposition of beech leaf litter by Xylaria sp.. European Journal of Soil Biology, 2001, 37, 17-23.	1.4	63
124	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. Ecological Research, 2001, 16, 649-670.	0.7	143
125	Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 679-684.	1.1	33
126	Decomposing ability of interior and surface fungal colonizers of beech leaves with reference to lignin decomposition. European Journal of Soil Biology, 1999, 35, 51-56.	1.4	59

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127	Distribution and functional data of fungal families. Ecological Research, 0, , .	0.7	0