# Takashi Osono

List of Publications by Year
in descending order



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|---|---|---|---|
| 127 papers | 4,419 citations | 81900 39 h-index | 128289 60 g-index |
| 131 all docs | 131 docs citations | 131 times ranked | 4323 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Occurrence, hyphal growth rate, and carbon source utilization of fungi from continental Antarctica. Polar Science, 2022, 31, 100738. | 1.2 | 1 |
| 2 | Metabolic Diversity of Xylariaceous Fungi Associated with Leaf Litter Decomposition. Journal of Fungi (Basel, Switzerland), 2022, 8, 701. | 3.5 | 2 |
| 3 | Taxonomic, functional, and phylogenetic diversity of fungi in a forest-tundra ecotone in QuÃ©bec. Polar Science, 2021, 27, 100594. | 1.2 | 5 |
| 4 | Integrative assessment of the effects of shrub coverage on soil respiration in a tundra ecosystem. Polar Science, 2021, 27, 100562. | 1.2 | 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. | 3.3 | 5 |
| 6 | Prolonged impacts of past agriculture and ungulate overabundance on soil fungal communities in restored forests. Environmental DNA, 2021, 3, 930-939. | 5.8 | 2 |
| 7 | Variability of decomposing ability among fungi associated with the bleaching of subtropical leaf litter. Mycologia, 2021, 113, 703-714. | 1.9 | 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. | 3.0 | 3 |
| 9 | Functionally explicit partitioning of plant Î²-diversity reveal soil fungal assembly in the subarctic tundra. FEMS Microbiology Ecology, 2021, 97, . | 2.7 | 1 |
| 10 | Diversity and host recurrence of fungi associated with the bleached leaf litter in a subtropical forest. Fungal Ecology, 2021, 54, 101113. | 1.6 | 0 |
| 11 | Bacterial 16S rDNA and alkaline phosphatase gene diversity in soil applied with composted aquatic plants. Limnology, 2020, 21, 357-364. | 1.5 | 5 |
| 12 | Positive interaction facilitates landscape homogenization by shrub expansion in the forestâ€“tundra ecotone. Journal of Vegetation Science, 2020, 31, 234-244. | 2.2 | 6 |
| 13 | Functional diversity of ligninolytic fungi associated with leaf litter decomposition. Ecological Research, 2020, 35, 30-43. | 1.5 | 44 |
| 14 | Decomposition of Organic Chemical Components in Wood by Tropical Xylaria Species. Journal of Fungi (Basel, Switzerland), 2020, 6, 186. | 3.5 | 4 |
| 15 | Diversity and Geographic Distribution of Ligninolytic Fungi Associated With Castanopsis sieboldii Leaf Litter in Japan. Frontiers in Microbiology, 2020, 11, 595427. | 3.5 | 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. | 2.4 | 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, . | 2.7 | 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. | 1.5 | 5 |

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|---|---|---|---|
| 19 | Light quality determines primary production in nutrient-poor small lakes. Scientific Reports, 2019, 9, 4639. | 3.3 | 18 |
| 20 | Biogeographic Patterns of Ectomycorrhizal Fungal Communities Associated With Castanopsis sieboldii Across the Japanese Archipelago. Frontiers in Microbiology, 2019, 10, 2656. | 3.5 | 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. | 1.2 | 9 |
| 22 | Fungal succession and decomposition of composted aquatic plants applied to soil. Fungal Ecology, 2018, 35, 34-41. | 1.6 | 11 |
| 23 | Leaf litter decomposition of 12 tree species in a subtropical forest in Japan. Ecological Research, 2017, 32, 413-422. | 1.5 | 21 |
| 24 | Biodiversityâ€"ecosystem function relationships change through primary succession. Oikos, 2017, 126, 1637-1649. | 2.7 | 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. | 3.2 | 12 |
| 26 | Geographical distributions of rhytismataceous fungi on Camellia japonica leaf litter in Japan. Fungal Ecology, 2017, 26, 37-44. | 1.6 | 8 |
| 27 | Abundant deposits of nutrients inside lakebeds of Antarctic oligotrophic lakes. Polar Biology, 2017, 40, 603-613. | 1.2 | 16 |
| 28 | Abundance, richness, and succession of microfungi in relation to chemical changes in Antarctic moss profiles. Polar Biology, 2017, 40, 2457-2468. | 1.2 | 11 |
| 29 | Disentangling relationships between plant diversity and decomposition processes under forest restoration. Journal of Applied Ecology, 2017, 54, 80-90. | 4.0 | 71 |
| 30 | Diversity and community assembly of moss-associated fungi in ice-free coastal outcrops of continental Antarctica. Fungal Ecology, 2016, 24, 94-101. | 1.6 | 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. | 1.2 | 30 |
| 32 | Low multifunctional redundancy of soil fungal diversity at multiple scales. Ecology Letters, 2016, 19, 249-259. | 6.4 | 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. | 2.7 | 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. | 2.7 | 72 |
| 35 | Decomposing ability of diverse litter-decomposer macrofungi in subtropical, temperate, and subalpine forests. Journal of Forest Research, 2015, 20, 272-280. | 1.4 | 10 |
| 36 | Hyphal length in the forest floor and soil of subtropical, temperate, and subalpine forests. Journal of Forest Research, 2015, 20, 69-76. | 1.4 | 9 |

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|---|---|---|---|
| 37 | Beech cupules share endophytic fungi with leaves and twigs. Mycoscience, 2015, 56, 252-256. | 0.8 | 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. | 1.4 | 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. | 1.5 | 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. | 3.0 | 28 |
| 41 | Bleaching of leaf litter and associated microfungi in subboreal and subalpine forests. Canadian Journal of Microbiology, 2015, 61, 735-743. | 1.7 | 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. | 1.4 | 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. | 1.1 | 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. | 1.2 | 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. | 1.2 | 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. | 1.5 | 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. | 1.6 | 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. | 3.7 | 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. | 3.5 | 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. | 1.9 | 24 |
| 54 | Diversity and ubiquity of xylariaceous endophytes in live and dead leaves of temperate forest trees. Mycoscience, 2013, 54, 54-61. | 0.8 | 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. | 1.2 | 14 |
| 56 | Microfungi associated with a myrmecophyte Macaranga bancana. Tropics, 2013, 22, 19-25. | 0.8 | 2 |
| 57 | Fungal succession and decomposition of beech cupule litter. Ecological Research, 2012, 27, 735-743. | 1.5 | 13 |
| 58 | Abundance and diversity of fungi in relation to chemical changes in arctic moss profiles. Polar Science, 2012, 6, 121-131. | 1.2 | 15 |
| 59 | Endophytic fungi associated with leaves of Betulaceae in Japan. Canadian Journal of Microbiology, 2012, 58, 507-515. | 1.7 | 16 |
| 60 | Microfungal diversity associated with Kindbergia oregana in successional forests of British Columbia. Ecological Research, 2012, 27, 35-41. | 1.5 | 11 |
| 61 | Fungal decomposition of woody debris of Castanopsis sieboldii in a subtropical oldâ€growth forest. Ecological Research, 2012, 27, 211-218. | 1.5 | 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. | 1.4 | 5 |
| 63 | Decomposition of wood, petiole and leaf litter by Xylaria species from northern Thailand. Fungal Ecology, 2011, 4, 210-218. | 1.6 | 27 |
| 64 | Wood decomposing abilities of diverse lignicolous fungi on nondecayed and decayed beech wood. Mycologia, 2011, 103, 474-482. | 1.9 | 74 |
| 65 | Selective lignin decomposition and nitrogen mineralization in forest litter colonized by Clitocybe sp.. European Journal of Soil Biology, 2011, 47, 114-121. | 3.2 | 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. | 1.6 | 37 |
| 67 | Colonization and lignin decomposition of pine needle litter by Lophodermium pinastri. Forest Pathology, 2011, 41, 156-162. | 1.1 | 29 |
| 68 | Effects of temperature and litter type on fungal growth and decomposition of leaf litter. Mycoscience, 2011, 52, 327-332. | 0.8 | 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. | 0.8 | 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. | 1.5 | 23 |
| 71 | Decomposition of grass leaves by ligninolytic litterâ€decomposing fungi. Grassland Science, 2010, 56, 31-36. | 1.1 | 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. | 0.8 | 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. | 1.4 | 61 |
| 74 | Effects of attack of saprobic fungi on twig litter decomposition by endophytic fungi. Ecological Research, 2009, 24, 1067-1073. | 1.5 | 54 |
| 75 | Inter- and intraspecific variations of the chemical properties of high-Arctic mosses along water-regime gradients. Polar Science, 2009, 3, 134-138. | 1.2 | 5 |
| 76 | Altitudinal distribution of microfungi associated withBetula ermaniileaf litter on Mt. Rishiri, northern Japan. Canadian Journal of Microbiology, 2009, 55, 783-789. | 1.7 | 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. | 1.7 | 35 |
| 78 | Carbon isotope dynamics during leaf litter decomposition with reference to lignin fractions. Ecological Research, 2008, 23, 51-55. | 1.5 | 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. | 1.5 | 56 |
| 80 | Fungal colonization and decomposition ofCastanopsis sieboldiileaves in a subtropical forest. Ecological Research, 2008, 23, 909-917. | 1.5 | 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. | 1.7 | 19 |
| 82 | Endophytic and epiphytic phyllosphere fungi ofCamellia japonica: seasonal and leaf age-dependent variations. Mycologia, 2008, 100, 387-391. | 1.9 | 97 |
| 83 | Microfungi associated with Abies needles and Betula leaf litter in a subalpine coniferous forest. Canadian Journal of Microbiology, 2007, 53, 1-7. | 1.7 | 33 |
| 84 | Ecology of ligninolytic fungi associated with leaf litter decomposition. Ecological Research, 2007, 22, 955-974. | 1.5 | 347 |
| 85 | Endophytic and epiphytic phyllosphere fungi of red-osier dogwood (Cornus stolonifera) in British Columbia. Mycoscience, 2007, 48, 47-52. | 0.8 | 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. | 1.4 | 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. | 1.7 | 177 |
| 88 | Fungal decomposition ofAbiesneedle andBetulaleaf litter. Mycologia, 2006, 98, 172-179. | 1.9 | 66 |
| 89 | Pattern of natural 15N abundance in lakeside forest ecosystem affected by cormorant-derived nitrogen. Hydrobiologia, 2006, 567, 69-86. | 2.0 | 32 |
| 90 | Development and seasonal variations of Lophodermium populations on Pinus thunbergii needle litter. Mycoscience, 2006, 47, 242-247. | 0.8 | 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. | 8.8 | 47 |
| 92 | Reduction of fungal growth and lignin decomposition in needle litter by avian excreta. Soil Biology and Biochemistry, 2006, 38, 1623-1630. | 8.8 | 33 |
| 93 | Fungal colonization as affected by litter depth and decomposition stage of needle litter. Soil Biology and Biochemistry, 2006, 38, 2743-2752. | 8.8 | 41 |
| 94 | Consequences of gall tissues as a food resource for a tortricid moth attacking cecidomyiid galls. Canadian Entomologist, 2006, 138, 390-398. | 0.8 | 9 |
| 95 | Fungal decomposition of Abies needle and Betula leaf litter. Mycologia, 2006, 98, 172-179. | 1.9 | 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. | 1.9 | 43 |
| 98 | Decomposition of Japanese beech wood by diverse fungi isolated from a cool temperate deciduous forest. Mycoscience, 2005, 46, 97-101. | 0.8 | 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. | 0.8 | 9 |
| 100 | Seasonal and leaf age-dependent changes in occurrence of phyllosphere fungi of giant dogwood. Mycoscience, 2005, 46, 273-279. | 0.8 | 26 |
| 101 | Colonization and lignin decomposition of Camellia japonica leaf litter by endophytic fungi. Mycoscience, 2005, 46, 280-286. | 0.8 | 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. | 1.5 | 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. | 1.5 | 35 |
| 104 | Fungal succession and decomposition of Camellia japonica leaf litter. Ecological Research, 2005, 20, 599-609. | 1.5 | 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. | 3.7 | 58 |
| 106 | Colonization and succession of fungi during decomposition of Swida controversa leaf litter. Mycologia, 2005, 97, 589-597. | 1.9 | 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. | 1.5 | 106 |
| 108 | Phyllosphere fungi on living and decomposing leaves of giant dogwood. Mycoscience, 2004, 45, 35-41. | 0.8 | 47 |

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|---|---|---|---|
| 109 | Distribution of phyllosphere fungi within the canopy of giant dogwood. Mycoscience, 2004, 45, 161-168. | 0.8 | 31 |
| 110 | Potassium, calcium, and magnesium dynamics during litter decomposition in a cool temperate forest. Journal of Forest Research, 2004, 9, 23-31. | 1.4 | 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. | 3.2 | 70 |
| 112 | Effects of prior decomposition of beech leaf litter by phyllosphere fungi on substrate utilization by fungal decomposers. Mycoscience, 2003, 44, 41-45. | 0.8 | 44 |
| 113 | Colonization of Japanese beech leaves by phyllosphere fungi. Mycoscience, 2003, 44, 437-441. | 0.8 | 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. | 8.8 | 52 |
| 115 | Roles of Diverse Fungi in Larch Needle-Litter Decomposition. Mycologia, 2003, 95, 820. | 1.9 | 33 |
| 116 | Roles of diverse fungi in larch needle-litter decomposition. Mycologia, 2003, 95, 820-826. | 1.9 | 64 |
| 117 | Roles of diverse fungi in larch needle-litter decomposition. Mycologia, 2003, 95, 820-6. | 1.9 | 5 |
| 118 | Comparison of litter decomposing ability among diverse fungi in a cool temperate deciduous forest in Japan. Mycologia, 2002, 94, 421-427. | 1.9 | 145 |
| 119 | Phyllosphere fungi on leaf litter of Fagus crenata: occurrence, colonization, and succession. Canadian Journal of Botany, 2002, 80, 460-469. | 1.1 | 71 |
| 120 | Comparison of Litter Decomposing Ability among Diverse Fungi in a Cool Temperate Deciduous Forest in Japan. Mycologia, 2002, 94, 421. | 1.9 | 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. | 8.8 | 41 |
| 122 | Comparison of litter decomposing ability among diverse fungi in a cool temperate deciduous forest in Japan. Mycologia, 2002, 94, 421-7. | 1.9 | 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. | 3.2 | 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. | 1.5 | 143 |
| 125 | Title is missing!. Water, Air, and Soil Pollution, 2001, 130, 679-684. | 2.4 | 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. | 3.2 | 59 |

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|---|---|---|---|
| 127 | Distribution and functional data of fungal families. Ecological Research, 0, , . | 1.5 | 0 |