

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5638671/publications.pdf>

Version: 2024-02-01

64
papers

4,750
citations

117625

34
h-index

110387

64
g-index

64
all docs

64
docs citations

64
times ranked

4763
citing authors

#	ARTICLE	IF	CITATIONS
1	Litter decomposition and organic matter turnover in northern forest soils. <i>Forest Ecology and Management</i> , 2000, 133, 13-22.	3.2	779
2	Effect of N deposition on decomposition of plant litter and soil organic matter in forest systems. <i>Environmental Reviews</i> , 1997, 5, 1-25.	4.5	560
3	Decomposition patterns for foliar litter – A theory for influencing factors. <i>Soil Biology and Biochemistry</i> , 2014, 78, 222-232.	8.8	255
4	Leaf litter decomposition – Estimates of global variability based on Yasso07 model. <i>Ecological Modelling</i> , 2009, 220, 3362-3371.	2.5	187
5	Litter quality in a north European transect versus carbon storage potential. <i>Plant and Soil</i> , 2002, 242, 83-92.	3.7	180
6	Contrasting dynamics and trait controls in first-order root compared with leaf litter decomposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10392-10397.	7.1	168
7	Factors influencing limit values for pine needle litter decomposition: a synthesis for boreal and temperate pine forest systems. <i>Biogeochemistry</i> , 2010, 100, 57-73.	3.5	157
8	Variation in litterfall-climate relationships between coniferous and broadleaf forests in Eurasia. <i>Global Ecology and Biogeography</i> , 2004, 13, 105-114.	5.8	129
9	Litter decomposition in a transect of Norway spruce forests: substrate quality and climate control. <i>Canadian Journal of Forest Research</i> , 2000, 30, 1136-1147.	1.7	123
10	Chemical composition and carbon mineralisation potential of Scots pine needles at different stages of decomposition. <i>Soil Biology and Biochemistry</i> , 1998, 30, 583-595.	8.8	118
11	Litter decomposition rate is dependent on litter Mn concentrations. <i>Biogeochemistry</i> , 2007, 82, 29-39.	3.5	116
12	Near infrared reflectance spectroscopy for determination of organic matter fractions including microbial biomass in coniferous forest soils. <i>Soil Biology and Biochemistry</i> , 2003, 35, 1587-1600.	8.8	110
13	Litter fall in some European coniferous forests as dependent on climate: a synthesis. <i>Canadian Journal of Forest Research</i> , 2001, 31, 292-301.	1.7	109
14	Humus buildup in boreal forests: effects of litter fall and its N concentration. <i>Canadian Journal of Forest Research</i> , 2001, 31, 988-998.	1.7	99
15	Review and synthesis of experimental data on organic matter decomposition with respect to the effect of temperature, moisture, and acidity. <i>Environmental Reviews</i> , 1998, 6, 25-40.	4.5	85
16	Decomposition of black locust and black pine leaf litter in two coeval forest stands on Mount Vesuvius and dynamics of organic components assessed through proximate analysis and NMR spectroscopy. <i>Soil Biology and Biochemistry</i> , 2012, 51, 1-15.	8.8	77
17	Changes in chemical composition of <i>Pinus sylvestris</i> needle litter during decomposition along a European coniferous forest climatic transect. <i>Soil Biology and Biochemistry</i> , 2003, 35, 801-812.	8.8	74
18	Variation in leaf nitrogen and phosphorus stoichiometry in <i>Picea abies</i> across Europe: An analysis based on local observations. <i>Forest Ecology and Management</i> , 2011, 261, 195-202.	3.2	68

#	ARTICLE	IF	CITATIONS
19	The relationship between rates of lignin and cellulose decay in aboveground forest litter. <i>Soil Biology and Biochemistry</i> , 2008, 40, 2620-2626.	8.8	60
20	Initial rates and limit values for decomposition of Scots pine and Norway spruce needle litter: a synthesis for N-fertilized forest stands. <i>Canadian Journal of Forest Research</i> , 2000, 30, 122-135.	1.7	59
21	Lignin decomposition in decaying leaves of <i>Fagus sylvatica</i> L. and needles of <i>Abies alba</i> Mill. <i>Soil Biology and Biochemistry</i> , 1996, 28, 101-106.	8.8	58
22	Manganese in the litter fall-forest floor continuum of boreal and temperate pine and spruce forest ecosystems – A review. <i>Forest Ecology and Management</i> , 2015, 358, 248-260.	3.2	58
23	Decomposition of ¹³ C-labelled plant material in a European 65°40' latitudinal transect of coniferous forest soils: simulation of climate change by translocation of soils. <i>Soil Biology and Biochemistry</i> , 2000, 32, 527-543.	8.8	57
24	Release pattern for potassium from decomposing forest needle and leaf litter. Long-term decomposition in a Scots pine forest. IX.. <i>Canadian Journal of Botany</i> , 1995, 73, 2019-2027.	1.1	54
25	Global pattern of leaf litter nitrogen and phosphorus in woody plants. <i>Annals of Forest Science</i> , 2010, 67, 811-811.	2.0	54
26	Carbon sequestration rates in organic layers of boreal and temperate forest soils - Sweden as a case study. <i>Global Ecology and Biogeography</i> , 2005, 14, 77-84.	5.8	50
27	A comparison of litterbag and direct observation methods of Scots pine needle decomposition measurement. <i>Soil Biology and Biochemistry</i> , 2005, 37, 2315-2318.	8.8	50
28	In situ formation of organically bound halogens during decomposition of Norway spruce needles: effects of fertilization. <i>Canadian Journal of Forest Research</i> , 1996, 26, 1040-1048.	1.7	47
29	Factors regulating litter mass loss and lignin degradation in late decomposition stages. <i>Plant and Soil</i> , 2009, 318, 217-228.	3.7	46
30	Sequestration of carbon in the humus layer of Swedish forests – direct measurements. <i>Canadian Journal of Forest Research</i> , 2009, 39, 962-975.	1.7	46
31	Limit values for plant litter decomposing in two contrasting soils – influence of litter elemental composition. <i>Acta Oecologica</i> , 2003, 24, 295-302.	1.1	45
32	Leaf litter nitrogen concentration as related to climatic factors in Eurasian forests. <i>Global Ecology and Biogeography</i> , 2006, 15, 438-444.	5.8	40
33	Title is missing!. <i>Biogeochemistry</i> , 2001, 54, 147-170.	3.5	36
34	Fungal mycelium and decomposition of needle litter in three contrasting coniferous forests. <i>Acta Oecologica</i> , 2002, 23, 247-259.	1.1	36
35	A test of manganese effects on decomposition in forest and cropland sites. <i>Soil Biology and Biochemistry</i> , 2019, 129, 178-183.	8.8	35
36	Decomposition of tree root litter in a climatic transect of coniferous forests in northern Europe: A synthesis. <i>Scandinavian Journal of Forest Research</i> , 1998, 13, 402-412.	1.4	34

#	ARTICLE	IF	CITATIONS
37	Influence of manganese on decomposition of common beech (<i>Fagus sylvatica</i> L.) leaf litter during field incubation. <i>Biogeochemistry</i> , 2015, 125, 349-358.	3.5	34
38	Decomposing litter; limit values; humus accumulation, locally and regionally. <i>Applied Soil Ecology</i> , 2018, 123, 494-508.	4.3	34
39	Late stage pine litter decomposition: Relationship to litter N, Mn, and acid unhydrolyzable residue (AUR) concentrations and climatic factors. <i>Forest Ecology and Management</i> , 2015, 358, 41-47.	3.2	32
40	Manganese dynamics in decomposing needle and leaf litter – a synthesis. <i>Canadian Journal of Forest Research</i> , 2013, 43, 1127-1136.	1.7	30
41	Response of fine root decomposition to different forms of N deposition in a temperate grassland. <i>Soil Biology and Biochemistry</i> , 2020, 147, 107845.	8.8	29
42	Modelling soil carbon sequestration of intensively monitored forest plots in Europe by three different approaches. <i>Forest Ecology and Management</i> , 2009, 258, 1780-1793.	3.2	27
43	Effects of different forms of N deposition on leaf litter decomposition and extracellular enzyme activities in a temperate grassland. <i>Soil Biology and Biochemistry</i> , 2019, 134, 78-80.	8.8	26
44	A climate response function explaining most of the variation of the forest floor needle mass and the needle decomposition in pine forests across Europe. <i>Plant and Soil</i> , 2006, 285, 97-114.	3.7	24
45	Limitless decomposition in leaf litter of Common beech: Patterns, nutrients and heavy metal's dynamics. <i>Pedobiologia</i> , 2014, 57, 131-138.	1.2	24
46	Formation of forest gaps accelerates C, N and P release from foliar litter during 4 years of decomposition in an alpine forest. <i>Biogeochemistry</i> , 2018, 139, 321-335.	3.5	24
47	Calculating the long-term stable nitrogen sink in northern European forests. <i>Acta Oecologica</i> , 2004, 26, 15-21.	1.1	23
48	Biogeographic patterns of nutrient resorption from <i>Quercus variabilis</i> leaves across China. <i>Plant Biology</i> , 2016, 18, 505-513.	3.8	23
49	Calcium in decomposing foliar litter – A synthesis for boreal and temperate coniferous forests. <i>Forest Ecology and Management</i> , 2017, 403, 137-144.	3.2	18
50	Humusica 1, article 2: Essential bases – Functional considerations. <i>Applied Soil Ecology</i> , 2018, 122, 22-41.	4.3	18
51	Increased atmospheric CO ₂ and litter quality. <i>Environmental Reviews</i> , 1998, 6, 1-12.	4.5	17
52	Nitrogen Dynamics in Decomposing Litter. <i>Advances in Ecological Research</i> , 2005, 38, 157-183.	2.7	17
53	Changes in nutrient concentrations and nutrient release in decomposing needle litter in monocultural systems of <i>Pinus contorta</i> and <i>Pinus sylvestris</i> – a comparison and synthesis. <i>Scandinavian Journal of Forest Research</i> , 1997, 12, 113-121.	1.4	16
54	Relationships between nitrogen, acid-unhydrolyzable residue, and climate among tree foliar litters. <i>Canadian Journal of Forest Research</i> , 2013, 43, 103-107.	1.7	14

#	ARTICLE	IF	CITATIONS
55	Methods in Studies of Organic Matter Decay. <i>Advances in Ecological Research</i> , 2005, 38, 291-331.	2.7	11
56	Litter Inhibitory Effects on Soil Microbial Biomass, Activity, and Catabolic Diversity in Two Paired Stands of <i>Robinia pseudoacacia</i> L. and <i>Pinus nigra</i> Arn.. <i>Forests</i> , 2018, 9, 766.	2.1	11
57	Climatic seasonality is linked to the occurrence of the mixed evergreen and deciduous broadleaved forests in China. <i>Ecosphere</i> , 2019, 10, e02862.	2.2	11
58	Changes in Substrate Composition and Rate-Regulating Factors during Decomposition. <i>Advances in Ecological Research</i> , 2005, 38, 101-155.	2.7	7
59	Estimated nitrogen concentrations in humus based on initial nitrogen concentrations in foliar litter: a synthesis. XII. Long-term decomposition in a Scots pine forest. <i>Canadian Journal of Botany</i> , 2000, 77, 1712-1722.	1.1	6
60	Major, trace and rare earth elements dynamics in decomposing litters on successional sites in a cool temperate region of South Korea. <i>Science of the Total Environment</i> , 2020, 749, 142352.	8.0	4
61	Climatic and Geographic Patterns in Decomposition. <i>Advances in Ecological Research</i> , 2005, 38, 227-261.	2.7	3
62	Origin and Structure of Secondary Organic Matter and Sequestration of C and N. <i>Advances in Ecological Research</i> , 2005, 38, 185-226.	2.7	3
63	Long-Term Effects of Climate and Litter Chemistry on Rates and Stable Fractions of Decomposing Scots Pine and Norway Spruce Needle Litter—A Synthesis. <i>Forests</i> , 2022, 13, 125.	2.1	3
64	Shifts in soil chemical and microbial properties across forest chronosequence on recent volcanic deposits. <i>Applied Soil Ecology</i> , 2021, 161, 103880.	4.3	2