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List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Genesis, goals and achievements of Long-Term Ecological Research at the global scale: A critical review of ILTER and future directions. Science of the Total Environment, 2018, 626, 1439-1462.	8.0	191
2	Early stage litter decomposition across biomes. Science of the Total Environment, 2018, 628-629, 1369-1394.	8.0	177
3	Microbial community composition and activity in different Alpine vegetation zones. Soil Biology and Biochemistry, 2010, 42, 155-161.	8.8	156
4	Tracking, targeting, and conserving soil biodiversity. Science, 2021, 371, 239-241.	12.6	151
5	Soil organicâ€matter stocks and characteristics along an Alpine elevation gradient. Journal of Plant Nutrition and Soil Science, 2010, 173, 30-38.	1.9	133
6	Effects of land use on soil microbial biomass, activity and community structure at different soil depths in the Danube floodplain. European Journal of Soil Biology, 2017, 79, 14-20.	3.2	118
7	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). Methods in Ecology and Evolution, 2020, 11, 22-37.	5.2	68
8	Towards Harmonizing Leaf Litter Decomposition Studies Using Standard Tea Bags—A Field Study and Model Application. Forests, 2016, 7, 167.	2.1	57
9	Decomposition of beech (Fagus sylvatica) and pine (Pinus nigra) litter along an Alpine elevation gradient: Decay and nutrient release. Geoderma, 2015, 251-252, 92-104.	5.1	55
10	Spatial distribution of microbial biomass and residues across soil aggregate fractions at different elevations in the Central Austrian Alps. Geoderma, 2019, 339, 1-8.	5.1	55
11	<i>In situ</i> carbon turnover dynamics and the role of soil microorganisms therein: a climate warming study in an Alpine ecosystem. FEMS Microbiology Ecology, 2013, 83, 112-124.	2.7	48
12	Decomposition of European beech and Black pine foliar litter along an Alpine elevation gradient: Mass loss and molecular characteristics. Geoderma, 2012, 189-190, 522-531.	5.1	37
13	Lignin decomposition along an Alpine elevation gradient in relation to physicochemical and soil microbial parameters. Global Change Biology, 2014, 20, 2272-2285.	9.5	26
14	Contribution of carbonate weathering to the CO2 efflux from temperate forest soils. Biogeochemistry, 2015, 124, 273-290.	3.5	26
15	Variations in soil and microbial biomass C, N and fungal biomass ergosterol along elevation and depth gradients in Alpine ecosystems. Geoderma, 2019, 345, 93-103.	5.1	26
16	Microbial necromass formation, enzyme activities and community structure in two alpine elevation gradients with different bedrock types. Geoderma, 2021, 386, 114922.	5.1	26
17	Effects of Climate and Atmospheric Nitrogen Deposition on Early to Mid-Term Stage Litter Decomposition Across Biomes. Frontiers in Forests and Global Change, 2021, 4, .	2.3	20
18	Historic nitrogen deposition determines future climate change effects on nitrogen retention in temperate forests. Climatic Change, 2017, 144, 221-235.	3.6	19

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19	Soil organic carbon and microbial communities respond to vineyard management. Soil Use and Management, 2015, 31, 528-533.	4.9	18
20	Treeline advances and associated shifts in the ground vegetation alter fine root dynamics and mycelia production in the South and Polar Urals. Oecologia, 2017, 183, 571-586.	2.0	15
21	Direct and understorey-mediated indirect effects of human-induced environmental changes on litter decomposition in temperate forest. Soil Biology and Biochemistry, 2019, 138, 107579.	8.8	13
22	Climate and air pollution impacts on habitat suitability of Austrian forest ecosystems. PLoS ONE, 2017, 12, e0184194.	2.5	13
23	Ecosystem type drives tea litter decomposition and associated prokaryotic microbiome communities in freshwater and coastal wetlands at a continental scale. Science of the Total Environment, 2021, 782, 146819.	8.0	12
24	Mid-infrared spectroscopy for topsoil layer identification according to litter type and decompositional stage demonstrated on a large sample set of Austrian forest soils. Geoderma, 2011, 166, 162-170.	5.1	11
25	Harmonized data on early stage litter decomposition using tea material across Japan. Ecological Research, 2019, 34, 575-576.	1.5	8
26	Microbial diversity-ecosystem function relationships across environmental gradients. Research Ideas and Outcomes, 0, 6, .	1.0	8
27	Functional response of an Austrian forest soil to N addition. Environmental Research Communications, 2021, 3, 025001.	2.3	7
28	Variations in fungal community structure along elevation gradients in contrasting Austrian Alpine ecosystems. Applied Soil Ecology, 2022, 177, 104508.	4.3	7
29	Disentangling climate from soil nutrient effects on plant biomass production using a multispecies phytometer. Ecosphere, 2021, 12, e03719.	2.2	5
30	Temperature sensitivity of CO2 efflux in soils from two alpine elevation levels with distinct bedrock types. Applied Soil Ecology, 2021, 162, 103875.	4.3	3
31	Long- and Short-Term Inorganic Nitrogen Runoff from a Karst Catchment in Austria. Forests, 2020, 11, 1112.	2.1	2