Dries Huygens

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8341310/publications.pdf

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28 papers	1,734 citations	331538 21 h-index	501076 28 g-index
28 all docs	28 docs citations	28 times ranked	3273 citing authors

#	Article	IF	Citations
1	Maize biochars accelerate short-term soil nitrogen dynamics in a loamy sand soil. Soil Biology and Biochemistry, 2012, 55, 20-27.	4.2	289
2	Above-ground biomass and structure of 260 African tropical forests. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120295.	1.8	264
3	Soil nitrogen conservation mechanisms in a pristine south Chilean Nothofagus forest ecosystem. Soil Biology and Biochemistry, 2007, 39, 2448-2458.	4.2	155
4	Conventional tree heightâ€“diameter relationships significantly overestimate aboveground carbon stocks in the Central Congo Basin. Nature Communications, 2013, 4, 2269.	5.8	103
5	Environmental and health co-benefits for advanced phosphorus recovery. Nature Sustainability, 2019, 2, 1051-1061.	11.5	93
6	Functional role of DNRA and nitrite reduction in a pristine south Chilean Nothofagus forest. Biogeochemistry, 2008, 90, 243-258.	1.7	82
7	Agronomic efficiency of selected phosphorus fertilisers derived from secondary raw materials for European agriculture. A meta-analysis. Agronomy for Sustainable Development, 2018, 38, 1.	2.2	68
8	Kinetics of amino sugar formation from organic residues of different quality. Soil Biology and Biochemistry, 2013, 57, 814-821.	4.2	54
9	Ectomycorrhizal fungi enhance nitrogen and phosphorus nutrition of Nothofagus dombeyi under drought conditions by regulating assimilative enzyme activities. Physiologia Plantarum, 2009, 136, 426-436.	2.6	53
10	Litterfall and leaf litter decomposition in a central African tropical mountain forest and Eucalyptus plantation. Forest Ecology and Management, 2014, 326, 109-116.	1.4	51
11	Advances in 15N-tracing experiments: new labelling and data analysis approaches. Biochemical Society Transactions, 2011, 39, 279-283.	1.6	49
12	Increased fungal dominance in N2O emission hotspots along a natural pH gradient in organic forest soil. Biology and Fertility of Soils, 2013, 49, 715-721.	2.3	46
13	In situ gross nitrogen transformations differ between temperate deciduous and coniferous forest soils. Biogeochemistry, 2012, 108, 259-277.	1.7	44
14	Translocation and turnover of rhizodeposit carbon within soil microbial communities of an extensive grassland ecosystem. Plant and Soil, 2014, 376, 61-73.	1.8	42
15	Reconciling biodiversity and carbon stock conservation in an Afrotropical forest landscape. Science Advances, 2018, 4, eaar6603.	4.7	40
16	Effect of ectomycorrhizal colonization and drought on reactive oxygen species metabolism of Nothofagus dombeyi roots. Tree Physiology, 2009, 29, 1047-1057.	1.4	37
17	Importance of correct B value determination to quantify biological N2 fixation and N balances of faba beans (Vicia faba L.) via 15N natural abundance. Biology and Fertility of Soils, 2014, 50, 517-525.	2.3	37
18	Dryingâ€“rewetting effects on N cycling in grassland soils of varying microbial community composition and management intensity in south central Chile. Applied Soil Ecology, 2011, 48, 270-279.	2.1	35

#	Article	IF	Citations
19	Arbuscular mycorrhizal fungi contribute to 13C and 15N enrichment of soil organic matter in forest soils. Soil Biology and Biochemistry, 2009, 41, 858-861.	4.2	30
20	Hemiparasitic litter additions alter gross nitrogen turnover in temperate semi-natural grassland soils. Soil Biology and Biochemistry, 2014, 68, 419-428.	4.2	24
21	Temporal dynamics of the physical quality of an Andisol under a grazing system subjected to different pasture improvement strategies. Soil and Tillage Research, 2015, 145, 233-241.	2.6	24
22	The spatial distribution of acid phosphatase activity in ectomycorrhizal tissues depends on soil fertility and morphotype, and relates to host plant phosphorus uptake. Plant, Cell and Environment, 2012, 35, 126-135.	2.8	23
23	Temporal variation of rhizodeposit-C assimilating microbial communities in a natural wetland. Biology and Fertility of Soils, 2013, 49, 333-341.	2.3	22
24	Microbial nitrogen dynamics in south central Chilean agricultural and forest ecosystems located on an Andisol. Nutrient Cycling in Agroecosystems, 2011, 89, 175-187.	1.1	21
25	High winter diversity of arbuscular mycorrhizal fungal communities in shallow and deep grassland soils. Soil Biology and Biochemistry, 2013, 65, 236-244.	4.2	18
26	Soil nitrogen dynamics three years after a severe Araucariaâ€“Nothofagus forest fire. Austral Ecology, 2012, 37, 153-163.	0.7	15
27	Advances in coupling a commercial total organic carbon analyser with an isotope ratio mass spectrometer to determine the isotopic signal of the total dissolved nitrogen pool. Rapid Communications in Mass Spectrometry, 2005, 19, 3232-3238.	0.7	8
28	On-Line Technique To Determine the Isotopic Composition of Total Dissolved Nitrogen. Analytical Chemistry, 2007, 79, 8644-8649.	3.2	7