

Dries Huygens

List of Publications by Year in descending order

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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	Environmental and health co-benefits for advanced phosphorus recovery. <i>Nature Sustainability</i> , 2019, 2, 1051-1061.	11.5	93
2	Reconciling biodiversity and carbon stock conservation in an Afrotropical forest landscape. <i>Science Advances</i> , 2018, 4, eaar6603.	4.7	40
3	Agronomic efficiency of selected phosphorus fertilisers derived from secondary raw materials for European agriculture. A meta-analysis. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	68
4	Temporal dynamics of the physical quality of an Andisol under a grazing system subjected to different pasture improvement strategies. <i>Soil and Tillage Research</i> , 2015, 145, 233-241.	2.6	24
5	Translocation and turnover of rhizodeposit carbon within soil microbial communities of an extensive grassland ecosystem. <i>Plant and Soil</i> , 2014, 376, 61-73.	1.8	42
6	Hemiparasitic litter additions alter gross nitrogen turnover in temperate semi-natural grassland soils. <i>Soil Biology and Biochemistry</i> , 2014, 68, 419-428.	4.2	24
7	Importance of correct B value determination to quantify biological N ₂ fixation and N balances of faba beans (<i>Vicia faba</i> L.) via 15N natural abundance. <i>Biology and Fertility of Soils</i> , 2014, 50, 517-525.	2.3	37
8	Litterfall and leaf litter decomposition in a central African tropical mountain forest and Eucalyptus plantation. <i>Forest Ecology and Management</i> , 2014, 326, 109-116.	1.4	51
9	Increased fungal dominance in N ₂ O emission hotspots along a natural pH gradient in organic forest soil. <i>Biology and Fertility of Soils</i> , 2013, 49, 715-721.	2.3	46
10	Temporal variation of rhizodeposit-C assimilating microbial communities in a natural wetland. <i>Biology and Fertility of Soils</i> , 2013, 49, 333-341.	2.3	22
11	Conventional tree height–diameter relationships significantly overestimate aboveground carbon stocks in the Central Congo Basin. <i>Nature Communications</i> , 2013, 4, 2269.	5.8	103
12	Kinetics of amino sugar formation from organic residues of different quality. <i>Soil Biology and Biochemistry</i> , 2013, 57, 814-821.	4.2	54
13	High winter diversity of arbuscular mycorrhizal fungal communities in shallow and deep grassland soils. <i>Soil Biology and Biochemistry</i> , 2013, 65, 236-244.	4.2	18
14	Above-ground biomass and structure of 260 African tropical forests. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120295.	1.8	264
15	Soil nitrogen dynamics three years after a severe <i>Araucaria</i> – <i>Nothofagus</i> forest fire. <i>Austral Ecology</i> , 2012, 37, 153-163.	0.7	15
16	The spatial distribution of acid phosphatase activity in ectomycorrhizal tissues depends on soil fertility and morphotype, and relates to host plant phosphorus uptake. <i>Plant, Cell and Environment</i> , 2012, 35, 126-135.	2.8	23
17	Maize biochars accelerate short-term soil nitrogen dynamics in a loamy sand soil. <i>Soil Biology and Biochemistry</i> , 2012, 55, 20-27.	4.2	289
18	In situ gross nitrogen transformations differ between temperate deciduous and coniferous forest soils. <i>Biogeochemistry</i> , 2012, 108, 259-277.	1.7	44

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19	Drying and rewetting effects on N cycling in grassland soils of varying microbial community composition and management intensity in south central Chile. <i>Applied Soil Ecology</i> , 2011, 48, 270-279.	2.1	35
20	Advances in 15N-tracing experiments: new labelling and data analysis approaches. <i>Biochemical Society Transactions</i> , 2011, 39, 279-283.	1.6	49
21	Microbial nitrogen dynamics in south central Chilean agricultural and forest ecosystems located on an Andisol. <i>Nutrient Cycling in Agroecosystems</i> , 2011, 89, 175-187.	1.1	21
22	Effect of ectomycorrhizal colonization and drought on reactive oxygen species metabolism of <i>Nothofagus dombeyi</i> roots. <i>Tree Physiology</i> , 2009, 29, 1047-1057.	1.4	37
23	Arbuscular mycorrhizal fungi contribute to 13C and 15N enrichment of soil organic matter in forest soils. <i>Soil Biology and Biochemistry</i> , 2009, 41, 858-861.	4.2	30
24	Ectomycorrhizal fungi enhance nitrogen and phosphorus nutrition of <i>Nothofagus dombeyi</i> under drought conditions by regulating assimilative enzyme activities. <i>Physiologia Plantarum</i> , 2009, 136, 426-436.	2.6	53
25	Functional role of DNRA and nitrite reduction in a pristine south Chilean <i>Nothofagus</i> forest. <i>Biogeochemistry</i> , 2008, 90, 243-258.	1.7	82
26	On-Line Technique To Determine the Isotopic Composition of Total Dissolved Nitrogen. <i>Analytical Chemistry</i> , 2007, 79, 8644-8649.	3.2	7
27	Soil nitrogen conservation mechanisms in a pristine south Chilean <i>Nothofagus</i> forest ecosystem. <i>Soil Biology and Biochemistry</i> , 2007, 39, 2448-2458.	4.2	155
28	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. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3232-3238.	0.7	8