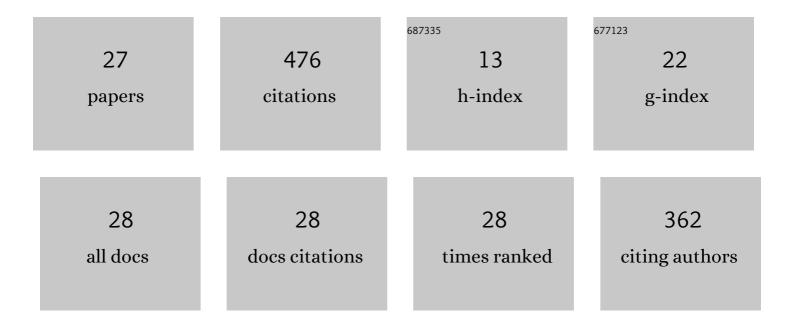
Doerthe Holthusen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8619860/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Soil porosity, permeability and static and dynamic strength parameters under native forest/grassland compared to no-tillage cropping. Soil and Tillage Research, 2018, 177, 113-124.	5.6	72
2	Impact of potassium concentration and matric potential on soil stability derived from rheological parameters. Soil and Tillage Research, 2010, 111, 75-85.	5.6	66
3	Soil functions and in situ stress distribution in subtropical soils as affected by land use, vehicle type, tire inflation pressure and plant residue removal. Soil and Tillage Research, 2018, 184, 78-92.	5.6	35
4	Controlled vertical stress in a modified amplitude sweep test (rheometry) for the determination of soil microstructure stability under transient stresses. Geoderma, 2017, 295, 129-141.	5.1	28
5	Physical properties of a Luvisol for different longâ€ŧerm fertilization treatments: II. Microscale behavior and its relation to the mesoscale. Journal of Plant Nutrition and Soil Science, 2012, 175, 14-23.	1.9	26
6	Microstructural strength of four subtropical soils evaluated by rheometry: properties, difficulties and opportunities. Scientia Agricola, 2018, 75, 154-162.	1.2	24
7	Rheological Parameters as Affected by Water Tension in Subtropical Soils. Revista Brasileira De Ciencia Do Solo, 2016, 40, .	1.3	23
8	Viscoelasticity and shear resistance at the microscale of naturally structured and homogenized subtropical soils under undefined and defined normal stress conditions. Soil and Tillage Research, 2019, 191, 282-293.	5.6	22
9	Quantity of Hydrophobic Functional CH-Groups – Decisive for Soil Water Repellency Caused by Digestate Amendment. International Agrophysics, 2015, 29, 247-255.	1.7	21
10	Scale-dependent soil strengthening processes – What do we need to know and where to head for a sustainable environment?. Soil and Tillage Research, 2019, 195, 104388.	5.6	20
11	Physical properties of a Luvisol for different longâ€ŧerm fertilization treatments: I. Mesoscale capacity and intensity parameters. Journal of Plant Nutrition and Soil Science, 2012, 175, 4-13.	1.9	18
12	Flow and deformation behavior at the microscale of soils from several longâ€ŧerm potassium fertilization trials in Germany. Journal of Plant Nutrition and Soil Science, 2012, 175, 535-547.	1.9	14
13	Amplitude sweep tests to comprehensively characterize soil micromechanics: brittle and elastic interparticle bonds and their interference with major soil aggregation factors organic matter and water content. Rheologica Acta, 2020, 59, 545-563.	2.4	14
14	Elastic and plastic soil deformation and its influence on emission of greenhouse gases. International Agrophysics, 2016, 30, 173-184.	1.7	13
15	Soil density and oscillation frequency effects on viscoelasticity and shear resistance of subtropical Oxisols with varying clay content. Soil and Tillage Research, 2020, 203, 104677.	5.6	12
16	Resilience and microstructural resistance of Archaeological Dark Earths with different soil organic carbon contents in Western Amazonia, Brazil. Geoderma, 2020, 363, 114130.	5.1	11
17	Influence of homogenized residues of anaerobic digestate on the physicochemical properties of differently textured soils. Journal of Plant Nutrition and Soil Science, 2015, 178, 261-269.	1.9	10
18	Determination of soil dispersion caused by anaerobic digestates: interferences of pH and soil charge with regard to soil texture and water content. Journal of Soils and Sediments, 2015, 15, 1491-1499.	3.0	8

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19	Biological Alteration of Flow Properties of Soil Samples From Two Bt Horizons of a Haplic Luvisol Determined With Rheometry. Frontiers in Environmental Science, 2018, 6, .	3.3	8
20	Soil solution composition affects microstructure of tropical saline alluvial soils in semi-arid environment. Soil and Tillage Research, 2020, 203, 104662.	5.6	8
21	Characterization of microstructural stability of biochar-amended Planosol under conventional tillage for irrigated lowland rice ecosystem. Soil and Tillage Research, 2021, 212, 105051.	5.6	7
22	Temporal dynamics of rheological properties of metakaolin-based geopolymers: Effects of synthesis parameters. Construction and Building Materials, 2021, 289, 123145.	7.2	6
23	Biochar Amendment Effects on Microstructure Resistance of a Sandy Loam Soil Under Oscillatory Stress. Journal of Soil Science and Plant Nutrition, 2021, 21, 967-977.	3.4	5
24	Role of compaction and drying-wetting cycles on the capability of precompression stress to indicate load history of heavily disturbed soils. Geoderma, 2021, 401, 115344.	5.1	2
25	Investigating spatial relationships of soil friability and driving factors through co-regionalization with state-space analysis in a subtropical watershed. Soil and Tillage Research, 2021, 212, 105028.	5.6	1
26	The Rheological-Data Extraction Application: A time-saving tool for the extraction of measured rheological data from a specific rheometer-inherent software. SoftwareX, 2022, 18, 101055.	2.6	1
27	Potential of rheometry in detecting cohesive soils in Brazil as an additional tool to morphological field description and tensile resistance quantification. Geoderma Regional, 2022, 30, e00553.	2.1	1