Tegan Darch

List of Publications by Year
in descending order

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32 papers	1,603 citations	361388 20 h-index	434170 31 g-index
32 all docs	32 docs citations	32 times ranked	2320 citing authors

#	Article	IF	Citations
1	The effect of soil organic matter on long-term availability of phosphorus in soil: Evaluation in a biological P mining experiment. Geoderma, 2022, 423, 115965.	5.1	4
2	The Distribution of Soil Micro-Nutrients and the Effects on Herbage Micro-Nutrient Uptake and Yield in Three Different Pasture Systems. Agronomy, 2021, 11, 1731.	3.0	1
3	The Mineral Composition of Wild-Type and Cultivated Varieties of Pasture Species. Agronomy, 2020, 10, 1463.	3.0	12
4	Elucidating three-way interactions between soil, pasture and animals that regulate nitrous oxide emissions from temperate grazing systems. Agriculture, Ecosystems and Environment, 2020, 300, 106978.	5.3	18
5	Fertilizer produced from abattoir waste can contribute to phosphorus sustainability, and biofortify crops with minerals. PLoS ONE, 2019, 14, e0221647.	2.5	19
6	Simultaneous Quantification of Soil Phosphorus Labile Pool and Desorption Kinetics Using DGTs and 3D-DIFS. Environmental Science & Technology, 2019, 53, 6718-6728.	10.0	23
7	Phosphorus use efficiency and fertilizers: future opportunities for improvements. Frontiers of Agricultural Science and Engineering, 2019, 6, 332.	1.4	40
8	Phosphorus acquisition by citrateâ€•and phytaseâ€exuding <scp>Nicotiana tabacum</scp> plant mixtures depends on soil phosphorus availability and root intermingling. Physiologia Plantarum, 2018, 163, 356-371.	5.2	35
9	Root development impacts on the distribution of phosphatase activity: Improvements in quantification using soil zymography. Soil Biology and Biochemistry, 2018, 116, 158-166.	8.8	40
10	Organic phosphorus in the terrestrial environment: a perspective on the state of the art and future priorities. Plant and Soil, 2018, 427, 191-208.	3.7	145
11	Opportunities for mobilizing recalcitrant phosphorus from agricultural soils: a review. Plant and Soil, 2018, 427, 5-16.	3.7	191
12	Inter- and intra-species intercropping of barley cultivars and legume species, as affected by soil phosphorus availability. Plant and Soil, 2018, 427, 125-138.	3.7	46
13	Does the combination of citrate and phytase exudation in Nicotiana tabacum promote the acquisition of endogenous soil organic phosphorus?. Plant and Soil, 2017, 412, 43-59.	3.7	25
14	Linking the depletion of rhizosphere phosphorus to the heterologous expression of a fungal phytase in Nicotiana tabacum as revealed by enzyme-labile P and solution 31P NMR spectroscopy. Rhizosphere, 2017, 3, 82-91.	3.0	12
15	Response-based selection of barley cultivars and legume species for complementarity: Root morphology and exudation in relation to nutrient source. Plant Science, 2017, 255, 12-28.	3.6	41
16	Hydrological controls on DOCâ€‰â€¯:â€‰â€¯nitrate resource stoichiometry in a lowland, agricultural catchment, southern UK. Hydrology and Earth System Sciences, 2017, 21, 4785-4802.	4.9	25
17	Organic Acids Regulation of Chemicalâ€“Microbial Phosphorus Transformations in Soils. Environmental Science & Technology, 2016, 50, 11521-11531.	10.0	102
18	Assessment of bioavailable organic phosphorus in tropical forest soils by organic acid extraction and phosphatase hydrolysis. Geoderma, 2016, 284, 93-102.	5.1	47

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19	A Holistic Approach to Understanding the Desorption of Phosphorus in Soils. Environmental Science & Technology, 2016, 50, 3371-3381.	10.0	71
20	Dissolved Phosphorus Retention in Buffer Strips: Influence of Slope and Soil Type. Journal of Environmental Quality, 2015, 44, 1216-1224.	2.0	16
21	Body composition in young female eating-disorder patients with severe weight loss and controls: evidence from the four-component model and evaluation of DXA. European Journal of Clinical Nutrition, 2015, 69, 1330-1335.	2.9	13
22	A Meta-Analysis of Organic and Inorganic Phosphorus in Organic Fertilizers, Soils, and Water: Implications for Water Quality. Critical Reviews in Environmental Science and Technology, 2014, 44, 2172-2202.	12.8	79
23	Body-composition reference data for simple and reference techniques and a 4-component model: a new UK reference child. American Journal of Clinical Nutrition, 2012, 96, 1316-1326.	4.7	157
24	Evaluation of lean tissue density for use in air displacement plethysmography in obese children and adolescents. European Journal of Clinical Nutrition, 2011, 65, 1094-1101.	2.9	11
25	Prenatal and postnatal programming of body composition in obese children and adolescents: evidence from anthropometry, DXA and the 4-component model. International Journal of Obesity, 2011, 35, 534-540.	3.4	22
26	Pediatric reference data for lean tissue properties: density and hydration from age 5 to 20 y. American Journal of Clinical Nutrition, 2010, 91, 610-618.	4.7	118
27	Validation of Bioelectrical Impedance Analysis in Adolescents Across Different Ethnic Groups. Obesity, 2010, 18, 1252-1259.	3.0	86
28	Evaluation of DXA against the four-component model of body composition in obese children and adolescents aged 5â€“21 years. International Journal of Obesity, 2010, 34, 649-655.	3.4	51
29	Validation of BIA in Obese Children and Adolescents and Reâ€evaluation in a Longitudinal Study. Obesity, 2009, 17, 2245-2250.	3.0	69
30	Body composition by ²H dilution in Gambian infants: comparison with UK infants and evaluation of simple prediction methods. British Journal of Nutrition, 2009, 102, 1776-1782.	2.3	20
31	Simplified method for microlitre deuterium measurements in water and urine by gas chromatographyâ€“highâ€temperature conversionâ€“isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 2097-2103.	1.5	11
32	Fortified complementary foods with or without Î±-amylase treatment increase hemoglobin but do not reduce breast milk intake of 9-mo-old Zambian infants. American Journal of Clinical Nutrition, 2007, 86, 1094-1103.	4.7	53