Elizabeth A Stockdale

List of Publications by Citations

32 papers	1,593 citations	17 h-index	33 g-index
33 ext. papers	1,767 ext. citations	4.3 avg, IF	3.85 L-index

#	Paper	IF	Citations
32	Soluble organic nitrogen in agricultural soils. *Biology and Fertility of Soils*, **2000**, 30, 374-387	6.1	233
31	Controls on soil nitrogen cycling and microbial community composition across land use and incubation temperature. *Soil Biology and Biochemistry*, **2007**, 39, 744-756	7.5	207
30	Nitrogen Mineralization in Temperate Agricultural Soils: Processes and Measurement. *Advances in Agronomy*, **1996**, 57, 187-235	7.7	192
29	The contribution of soil organic matter fractions to carbon and nitrogen mineralization and microbial community size and structure. *Soil Biology and Biochemistry*, **2005**, 37, 1726-1737	7.5	162
28	Nano-scale secondary ion mass spectrometry A new analytical tool in biogeochemistry and soil ecology: A review article. *Soil Biology and Biochemistry*, **2007**, 39, 1835-1850	7.5	152
27	In situ mapping of nutrient uptake in the rhizosphere using nanoscale secondary ion mass spectrometry. *Plant Physiology*, **2009**, 151, 1751-7	6.6	115
26	Soil microbial biomass nterpretation and consideration for soil monitoring. *Soil Research*, **2011**, 49, 287	1.8	66
25	A novel method for the study of the biophysical interface in soils using nano-scale secondary ion mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 29-34	2.2	66
24	Competition between plant and bacterial cells at the microscale regulates the dynamics of nitrogen acquisition in wheat (Triticum aestivum). *New Phytologist*, **2013**, 200, 796-807	9.8	62
23	Relationships between soil organic matter and the soil microbial biomass (size, functional diversity, and community structure) in crop and pasture systems in a semi-arid environment. *Soil Research*, **2011**, 49, 582	1.8	52
22	The influence of season, agricultural management, and soil properties on gross nitrogen transformations and bacterial community structure. *Soil Research*, **2006**, 44, 453	1.8	48
21	Impacts of 120 years of fertilizer addition on a temperate grassland ecosystem. *PLoS ONE*, **2017**, 12, e0174632	3.7	41
20	Seasonal dynamics of carbon and nitrogen pools and fluxes under continuous arable and ley-arable rotations in a temperate environment. *European Journal of Soil Science*, **2007**, 58, 1410-1424	3.4	36
19	Application of nanoscale secondary ion mass spectrometry to plant cell research. *Plant Signaling and Behavior*, **2010**, 5, 760-2	2.5	26
18	Optimizing nitrogen use efficiency in wheat and potatoes: interactions between genotypes and agronomic practices. *Euphytica*, **2014**, 199, 119-136	2.1	23
17	Estimating resource use efficiencies in organic agriculture: a review of budgeting approaches used. *Journal of the Science of Food and Agriculture*, **2007**, 87, 2782-2790	4.3	23
16	Molecular Weight of Dissolved Organic Carbon, Nitrogen, and Phenolics in Grassland Soils. *Soil Science Society of America Journal*, **2012**, 76, 142-150	2.5	18

List of Publications

15	Rhizosphere effects on functional stability of microbial communities in conventional and organic soils following elevated temperature treatment. *Soil Biology and Biochemistry*, **2013**, 57, 56-59	7.5	12
14	Impact of Land Use on Soluble Organic Nitrogen in Soil. *Water, Air and Soil Pollution*, **2004**, 4, 53-60		9
13	Interference by amino acids during the determination of 15N ammonium in soil. *Soil Biology and Biochemistry*, **2005**, 37, 1747-1750	7.5	8
12	Conceptual framework underpinning management of soil health supporting site-specific delivery of sustainable agro-ecosystems. *Food and Energy Security*, **2019**, 8, e00158	4.1	7
11	Improving Bioavailability of Phosphate Rock for Organic Farming. *Sustainable Agriculture Reviews*, **2010**, 99-117	1.3	7
10	Impact of Microorganisms on Chemical Transformations in Soil **2007**, 37-59		7
9	Yield, nitrogen recovery efficiency and quality of vegetables grown with organic waste-derived fertilisers. *Nutrient Cycling in Agroecosystems*, **2017**, 109, 233-248	3.3	6
8	The effect of co-composted cabbage and ground phosphate rock on the early growth and P uptake of oilseed rape and perennial ryegrass. *Journal of Plant Nutrition and Soil Science*, **2012**, 175, 595-603	2.3	6
7	Soil fertility49-85		5
6	Managing Soil Microbial Biomass for Sustainable Agro-Ecosystems **2017**, 67-101		1
5	Impact of land use on soluble organic nitrogen in soil. *Water, Air and Soil Pollution*, **2005**, 4, 53-60		1
4	45-77		1
3	Sustainable Farming Systems and their Impact on Soil Biological Fertility - Some Case Studies **2007**, 225-239		1
2	NDICEA Calibration and validation on a northern UK soil. *Organic Agriculture*, **2016**, 6, 267-280	1.7	
1	Sustaining Biodiversity and Ecosystem Services in Soils and Sediments. *Journal of Environmental Quality*, **2005**, 34, 2336-2337	3.4	