Joseph G Chimungu

List of Publications by Year
in descending order

14 papers	1,094 citations	1162367 8 h-index	1199166 12 g-index
19 all docs	19 docs citations	19 times ranked	1092 citing authors

#	Article	IF	Citations
1	Communicating uncertainties in spatial predictions of grain micronutrient concentration. Geoscience Communication, 2021, 4, 245-265.	0.5	6
2	Root hair phenotypes influence nitrogen acquisition in maize. Annals of Botany, 2021, 128, 849-858.	1.4	21
3	Increasing zinc concentration in maize grown under contrasting soil types in Malawi through agronomic biofortification: Trial protocol for a field experiment to detect small effect sizes. Plant Direct, 2020, 4, e00277.	0.8	9
4	Longitudinal analysis of a long-term conservation agriculture experiment in Malawi and lessons for future experimental design. Experimental Agriculture, 2020, 56, 506-527.	0.4	5
5	Eliciting experts' tacit models for the interpretation of soil information, an example from the evaluation of potential benefits from conservation agriculture. Geoderma, 2020, 376, 114545.	2.3	1
6	Root anatomical phenes predict root penetration ability and biomechanical properties in maize (Zea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	135
7	Utility of root cortical aerenchyma under water limited conditions in tropical maize (Zea mays L.). Field Crops Research, 2015, 171, 86-98.	2.3	77
8	Reduced Root Cortical Cell File Number Improves Drought Tolerance in Maize. Plant Physiology, 2014, 166, 1943-1955.	2.3	154
9	Large Root Cortical Cell Size Improves Drought Tolerance in Maize. Plant Physiology, 2014, 166, 2166-2178.	2.3	148
10	Root anatomical phenes associated with water acquisition from drying soil: targets for crop improvement. Journal of Experimental Botany, 2014, 65, 6155-6166.	2.4	262
11	Root Cortical Aerenchyma Enhances Nitrogen Acquisition from Low-Nitrogen Soils in Maize. Plant Physiology, 2014, 166, 726-735.	2.3	153
12	Root Traits for Improving Nitrogen Acquisition Efficiency. , 2014, , 181-192.		2
13	Root cortical burden influences drought tolerance in maize. Annals of Botany, 2013, 112, 429-437.	1.4	117
14	Stakeholder interpretation of probabilistic representations of uncertainty in spatial information: an example on the nutritional quality of staple crops. International Journal of Geographical Information Science, 0, , 1-27.	2.2	2