Tovohery Rakotoson

List of Publications by Year
in descending order

26	547	687363 13	677142 22
papers	citations	h-index	g-index

27	27	27	470
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phosphorus management strategies to increase lowland rice yields in sub-Saharan Africa: A review. Field Crops Research, 2022, 275, 108370.	5.1	15
2	Organic materials with high P and low C:P ratio improve P availability for lowland rice in highly weathered soils: Pot and incubation experiments. Journal of Plant Nutrition and Soil Science, 2022, 185, 475-485.	1.9	1
3	Priorities for soil research and sustainable management in Madagascar. Geoderma Regional, 2022, 29, e00518.	2.1	1
4	Exploring relevant wavelength regions for estimating soil total carbon contents of rice fields in Madagascar from Vis-NIR spectra with sequential application of backward interval PLS. Plant Production Science, 2021, 24, 1-14.	2.0	12
5	Effects of fertilizer micro-dosing in nursery on rice productivity in Madagascar. Plant Production Science, 2021, 24, 170-179.	2.0	4
6	Farm yard manure application mitigates aluminium toxicity and phosphorus deficiency for different upland rice genotypes. Journal of Agronomy and Crop Science, 2021, 207, 148-162.	3.5	6
7	Farmyard manure application increases spikelet fertility and grain yield of lowland rice on phosphorus-deficient and cool-climate conditions in Madagascar highlands. Plant Production Science, 2021, 24, 481-489.	2.0	4
8	Soil phosphorus retention can predict responses of phosphorus uptake and yield of rice plants to P fertilizer application in flooded weathered soils in the central highlands of Madagascar. Geoderma, 2021, 402, 115326.	5.1	13
9	Sequential micro-dose fertilization strategies for rice production: Improved fertilizer use efficiencies and yields on P-deficient lowlands in the tropical highlands. European Journal of Agronomy, 2021, 131, 126381.	4.1	7
10	Multiple-nutrient limitation of upland rainfed rice in ferralsols: a greenhouse nutrient-omission trial. Journal of Plant Nutrition, 2020, 43, 270-284.	1.9	22
11	Soil survey of the east coast and the central highlands indicates need to update Madagascar soil map. Soil Science and Plant Nutrition, 2020, 66, 469-480.	1.9	4
12	Phosphorus deficiency tolerance in Oryza sativa: Root and rhizosphere traits. Rhizosphere, 2020, 14, 100198.	3.0	8
13	Challenges and opportunities for improving N use efficiency for rice production in sub-Saharan Africa. Plant Production Science, 2019, 22, 413-427.	2.0	92
14	Laboratory Visible and Near-Infrared Spectroscopy with Genetic Algorithm-Based Partial Least Squares Regression for Assessing the Soil Phosphorus Content of Upland and Lowland Rice Fields in Madagascar. Remote Sensing, 2019, 11, 506.	4.0	34
15	Farmyard manure improves phosphorus use efficiency in weathered P deficient soil. Nutrient Cycling in Agroecosystems, 2019, 115, 407-425.	2.2	22
16	Physiological investigations of management and genotype options for adapting rice production to iron toxicity in Madagascar. Journal of Plant Nutrition and Soil Science, 2019, 182, 485-495.	1.9	6
17	Comparison of visual and instrumental measurements of soil color with different low-cost colorimeters. Soil Science and Plant Nutrition, 2019, 65, 605-615.	1.9	18
18	Phosphorus uptake of rice plants is affected by phosphorus forms and physicochemical properties of tropical weathered soils. Plant and Soil, 2019, 435, 27-38.	3.7	55

#	Article	IF	Citations
19	Farmyard manure application in weathered upland soils of Madagascar sharply increase phosphate fertilizer use efficiency for upland rice. Field Crops Research, 2018, 222, 94-100.	5.1	31
20	Failures in agricultural innovation due to poor understanding of farmersâ€™ predispositions. Development in Practice, 2018, 28, 691-704.	1.3	8
21	Vis-NIR Spectroscopy and PLS Regression with Waveband Selection for Estimating the Total C and N of Paddy Soils in Madagascar. Remote Sensing, 2017, 9, 1081.	4.0	72
22	Farmyard manure application has little effect on yield or phosphorus supply to irrigated rice growing on highly weathered soils. Field Crops Research, 2016, 198, 61-69.	5.1	17
23	Effects of soil flooding and organic matter addition on plant accessible phosphorus in a tropical paddy soil: an isotope dilution study. Journal of Plant Nutrition and Soil Science, 2016, 179, 765-774.	1.9	23
24	Effects of organic matter addition on phosphorus availability to flooded and nonflooded rice in a Pâ€deficient tropical soil: a greenhouse study. Soil Use and Management, 2015, 31, 10-18.	4.9	17
25	Soil flooding and rice straw addition can increase isotopic exchangeable phosphorus in <scp>P</scp>â€deficient tropical soils. Soil Use and Management, 2014, 30, 189-197.	4.9	16
26	Larger bioavailability of soil phosphorus for irrigated rice compared with rainfed rice in Madagascar: results from a soil and plant survey. Soil Use and Management, 2012, 28, 448-456.	4.9	38