

Varinderpal-Singh

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

951
citations

430874

18
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

807
citing authors

#	ARTICLE	IF	CITATIONS
1	Need based nitrogen management using the chlorophyll meter and leaf colour chart in rice and wheat in South Asia: a review. <i>Nutrient Cycling in Agroecosystems</i> , 2010, 88, 361-380.	2.2	108
2	A Roadmap for Lowering Crop Nitrogen Requirement. <i>Trends in Plant Science</i> , 2019, 24, 892-904.	8.8	89
3	Assessment of the nitrogen management strategy using an optical sensor for irrigated wheat. <i>Agronomy for Sustainable Development</i> , 2011, 31, 589-603.	5.3	87
4	Prediction of dry direct-seeded rice yields using chlorophyll meter, leaf color chart and GreenSeeker optical sensor in northwestern India. <i>Field Crops Research</i> , 2014, 161, 11-15.	5.1	61
5	Fixed-time adjustable dose site-specific fertilizer nitrogen management in transplanted irrigated rice (<i>Oryza sativa</i> L.) in South Asia. <i>Field Crops Research</i> , 2012, 126, 63-69.	5.1	54
6	Calibrating the leaf colour chart for need based fertilizer nitrogen management in different maize (<i>Zea mays</i> L.) genotypes. <i>Field Crops Research</i> , 2011, 120, 276-282.	5.1	53
7	Site-specific fertilizer nitrogen management in irrigated transplanted rice (<i>Oryza sativa</i>) using an optical sensor. <i>Precision Agriculture</i> , 2015, 16, 455-475.	6.0	52
8	A framework for refining nitrogen management in dry direct-seeded rice using GreenSeeker [®] , optical sensor. <i>Computers and Electronics in Agriculture</i> , 2015, 110, 114-120.	7.7	46
9	Land application of rice husk ash, bagasse ash and coal fly ash: Effects on crop productivity and nutrient uptake in rice-wheat system on an alkaline loamy sand. <i>Field Crops Research</i> , 2012, 135, 137-144.	5.1	42
10	Establishment of threshold leaf colour greenness for need-based fertilizer nitrogen management in irrigated wheat (<i>Triticum aestivum</i> L.) using leaf colour chart. <i>Field Crops Research</i> , 2012, 130, 109-119.	5.1	41
11	Poultry litter as a nitrogen and phosphorous source for the rice-wheat cropping system. <i>Biology and Fertility of Soils</i> , 2009, 45, 701-710.	4.3	38
12	Nitrogen Challenges and Opportunities for Agricultural and Environmental Science in India. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	3.9	29
13	Performance of site-specific nitrogen management for irrigated transplanted rice in northwestern India. <i>Archives of Agronomy and Soil Science</i> , 2007, 53, 567-579.	2.6	27
14	Influence of Long-term Use of Fertilizers and Farmyard Manure on the Adsorption-Desorption Behaviour and Bioavailability of Phosphorus in Soils. <i>Nutrient Cycling in Agroecosystems</i> , 2006, 75, 67-78.	2.2	26
15	Relative performance of neem (<i>Azadirachta indica</i>) coated urea vis-à-vis ordinary urea applied to rice on the basis of soil test or following need based nitrogen management using leaf colour chart. <i>Nutrient Cycling in Agroecosystems</i> , 2010, 87, 1-8.	2.2	24
16	Site-Specific Fertilizer Nitrogen Management Using Optical Sensor in Irrigated Wheat in the Northwestern India. <i>Agricultural Research</i> , 2017, 6, 159-168.	1.7	24
17	Site-specific fertilizer nitrogen management for timely sown irrigated wheat (<i>Triticum aestivum</i> L. and) Tj ETQq1 1 0,784314 ggBT /Over	2.2	25
18	Synergistic Use of Plant Growth Promoting Rhizobacteria, Arbuscular Mycorrhizal Fungi, and Spectral Properties for Improving Nutrient Use Efficiencies in Wheat (<i>Triticum aestivum</i> L.). <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 14-27.	1.4	23

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19	Supplementing Fertilizer Nitrogen Application to Irrigated Wheat at Maximum Tillering Stage Using Chlorophyll Meter and Optical Sensor. <i>Agricultural Research</i> , 2013, 2, 81-89.	1.7	20
20	Effect of incorporation of crop residues and organic manures on adsorption/desorption and bio-availability of phosphate. <i>Nutrient Cycling in Agroecosystems</i> , 2006, 76, 95-108.	2.2	15
21	Site-Specific Fertilizer Nitrogen Management in Cereals in South Asia. <i>Sustainable Agriculture Reviews</i> , 2020, , 137-178.	1.1	12
22	Phosphorus fertilizing potential of bagasse ash and rice husk ash in wheat-rice system on alkaline loamy sand soil. <i>Journal of Agricultural Science</i> , 2017, 155, 465-474.	1.3	9
23	Improving nitrogen use efficiency using precision nitrogen management in wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	1.9	9
24	Optical Sensing and Arbuscular Mycorrhizal Fungi for Improving Fertilizer Nitrogen and Phosphorus Use Efficiencies in Maize. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2087-2098.	3.4	8
25	Long-term effects of inorganic fertilizers and manure on phosphorus reaction products in a Typic Ustochrept. <i>Nutrient Cycling in Agroecosystems</i> , 2006, 76, 29-37.	2.2	6
26	Fertilizer Nitrogen Management in Irrigated Transplanted Rice Using Dynamic Threshold Greenness of Leaves. <i>Agricultural Research</i> , 2016, 5, 174-181.	1.7	5
27	Rescheduling fertilizer nitrogen topdressing timings for improving productivity and mitigating N ₂ O emissions in timely and late sown irrigated wheat (<i>Triticum aestivum</i> L.). <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 647-659.	2.6	5
28	Relative contribution of different sized soil separates to inorganic P fractions in a Typic Ustochrept of N-W India. <i>Nutrient Cycling in Agroecosystems</i> , 2007, 79, 161-168.	2.2	4
29	Nitrate leaching from applied fertilizer is reduced by precision nitrogen management in baby corn cropping systems. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 120, 379-391.	2.2	4
30	Prediction of grain yield and nitrogen uptake by basmati rice through in-season proximal sensing with a canopy reflectance sensor. <i>Precision Agriculture</i> , 2022, 23, 733-747.	6.0	3
31	Mid-season proximal sensing for site-specific need-based fertilizer nitrogen management in spring maize. <i>Journal of Plant Nutrition</i> , 2022, 45, 2146-2157.	1.9	2
32	Prediction of spring maize yields using leaf color chart, chlorophyll meter, and GreenSeeker optical sensor. <i>Experimental Agriculture</i> , 2021, 57, 45-56.	0.9	1
33	Spectral indices measured with proximal sensing using canopy reflectance sensor, chlorophyll meter and leaf color chart for in-season grain yield prediction of basmati rice. <i>Pedosphere</i> , 2022, 32, 812-822.	4.0	1
34	Arbuscular mycorrhizal fungi and proximal sensing for improving nutrient use efficiencies in wheat (<i>Triticum aestivum</i> L.). <i>Journal of Plant Nutrition</i> , 2022, 45, 1291-1304.	1.9	0
35	Chlorophyll meter based precision nitrogen management in spring maize. <i>Journal of Plant Nutrition</i> , 0, , 1-11.	1.9	0