Varinderpal-Singh

List of Publications by Year
in descending order

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	Prediction of grain yield and nitrogen uptake by basmati rice through in-season proximal sensing with a canopy reflectance sensor. Precision Agriculture, 2022, 23, 733-747.	6.0	3
2	Mid-season proximal sensing for site-specific need-based fertilizer nitrogen management in spring maize. Journal of Plant Nutrition, 2022, 45, 2146-2157.	1.9	2
3	Arbuscular mycorrhizal fungi and proximal sensing for improving nutrient use efficiencies in wheat (Triticum aestivum L.). Journal of Plant Nutrition, 2022, 45, 1291-1304.	1.9	0
4	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. Pedosphere, 2022, 32, 812-822.	4.0	1
5	Rescheduling fertilizer nitrogen topdressing timings for improving productivity and mitigating N₂O emissions in timely and late sown irrigated wheat (Triticum aestivum L.). Archives of Agronomy and Soil Science, 2021, 67, 647-659.	2.6	5
6	Prediction of spring maize yields using leaf color chart, chlorophyll meter, and GreenSeeker optical sensor. Experimental Agriculture, 2021, 57, 45-56.	0.9	1
7	Nitrogen Challenges and Opportunities for Agricultural and Environmental Science in India. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	29
8	Improving nitrogen use efficiency using precision nitrogen management in wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.9	9
9	Nitrate leaching from applied fertilizer is reduced by precision nitrogen management in baby corn cropping systems. Nutrient Cycling in Agroecosystems, 2021, 120, 379-391.	2.2	4
10	Synergistic Use of Plant Growth-Promoting Rhizobacteria, Arbuscular Mycorrhizal Fungi, and Spectral Properties for Improving Nutrient Use Efficiencies in Wheat (Triticum aestivum L.). Communications in Soil Science and Plant Analysis, 2020, 51, 14-27.	1.4	23
11	Optical Sensing and Arbuscular Mycorrhizal Fungi for Improving Fertilizer Nitrogen and Phosphorus Use Efficiencies in Maize. Journal of Soil Science and Plant Nutrition, 2020, 20, 2087-2098.	3.4	8
12	Site-Specific Fertilizer Nitrogen Management in Cereals in South Asia. Sustainable Agriculture Reviews, 2020, , 137-178.	1.1	12
13	A Roadmap for Lowering Crop Nitrogen Requirement. Trends in Plant Science, 2019, 24, 892-904.	8.8	89
14	Phosphorus fertilizing potential of bagasse ash and rice husk ash in wheatâ€“rice system on alkaline loamy sand soil. Journal of Agricultural Science, 2017, 155, 465-474.	1.3	9
15	Site-Specific Fertilizer Nitrogen Management Using Optical Sensor in Irrigated Wheat in the Northwestern India. Agricultural Research, 2017, 6, 159-168.	1.7	24
16	Site-specific fertilizer nitrogen management for timely sown irrigated wheat (Triticum aestivum L. and) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	23
17	Fertilizer Nitrogen Management in Irrigated Transplanted Rice Using Dynamic Threshold Greenness of Leaves. Agricultural Research, 2016, 5, 174-181.	1.7	5
18	Site-specific fertilizer nitrogen management in irrigated transplanted rice (Oryza sativa) using an optical sensor. Precision Agriculture, 2015, 16, 455-475.	6.0	52

#	ARTICLE	IF	CITATIONS
19	A framework for refining nitrogen management in dry direct-seeded rice using GreenSeekerâ„¢ optical sensor. Computers and Electronics in Agriculture, 2015, 110, 114-120.	7.7	46
20	Prediction of dry direct-seeded rice yields using chlorophyll meter, leaf color chart and GreenSeeker optical sensor in northwestern India. Field Crops Research, 2014, 161, 11-15.	5.1	61
21	Supplementing Fertilizer Nitrogen Application to Irrigated Wheat at Maximum Tillering Stage Using Chlorophyll Meter and Optical Sensor. Agricultural Research, 2013, 2, 81-89.	1.7	20
22	Land application of rice husk ash, bagasse ash and coal fly ash: Effects on crop productivity and nutrient uptake in riceâ€“wheat system on an alkaline loamy sand. Field Crops Research, 2012, 135, 137-144.	5.1	42
23	Fixed-time adjustable dose site-specific fertilizer nitrogen management in transplanted irrigated rice (Oryza sativa L.) in South Asia. Field Crops Research, 2012, 126, 63-69.	5.1	54
24	Establishment of threshold leaf colour greenness for need-based fertilizer nitrogen management in irrigated wheat (Triticum aestivum L.) using leaf colour chart. Field Crops Research, 2012, 130, 109-119.	5.1	41
25	Calibrating the leaf colour chart for need based fertilizer nitrogen management in different maize (Zea mays L.) genotypes. Field Crops Research, 2011, 120, 276-282.	5.1	53
26	Assessment of the nitrogen management strategy using an optical sensor for irrigated wheat. Agronomy for Sustainable Development, 2011, 31, 589-603.	5.3	87
27	Relative performance of neem (Azadirachta indica) coated urea vis-Ã-vis ordinary urea applied to rice on the basis of soil test or following need based nitrogen management using leaf colour chart. Nutrient Cycling in Agroecosystems, 2010, 87, 1-8.	2.2	24
28	Need based nitrogen management using the chlorophyll meter and leaf colour chart in rice and wheat in South Asia: a review. Nutrient Cycling in Agroecosystems, 2010, 88, 361-380.	2.2	108
29	Poultry litter as a nitrogen and phosphorous source for the riceâ€“wheat cropping system. Biology and Fertility of Soils, 2009, 45, 701-710.	4.3	38
30	Performance of site-specific nitrogen management for irrigated transplanted rice in northwestern India. Archives of Agronomy and Soil Science, 2007, 53, 567-579.	2.6	27
31	Relative contribution of different sized soil separates to inorganic P fractions in a Typic Ustochrept of N-W India. Nutrient Cycling in Agroecosystems, 2007, 79, 161-168.	2.2	4
32	Influence of Long-term Use of Fertilizers and Farmyard Manure on the Adsorptionâ€“Desorption Behaviour and Bioavailability of Phosphorus in Soils. Nutrient Cycling in Agroecosystems, 2006, 75, 67-78.	2.2	26
33	Long-term effects of inorganic fertilizers and manure on phosphorus reaction products in a Typic Ustochrept. Nutrient Cycling in Agroecosystems, 2006, 76, 29-37.	2.2	6
34	Effect of incorporation of crop residues and organic manures on adsorption/desorption and bio-availability of phosphate. Nutrient Cycling in Agroecosystems, 2006, 76, 95-108.	2.2	15
35	Chlorophyll meter based precision nitrogen management in spring maize. Journal of Plant Nutrition, 0, , 1-11.	1.9	0