

Upendra Singh

List of Publications by Year in descending order

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53
papers

5,648
citations

201674

27
h-index

182427

51
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53
all docs

53
docs citations

53
times ranked

5390
citing authors

#	ARTICLE	IF	CITATIONS
1	A trait-based model ensemble approach to design rice plant types for future climate. <i>Global Change Biology</i> , 2022, 28, 2689-2710.	9.5	8
2	Mitigating greenhouse gas emissions from irrigated rice cultivation through improved fertilizer and water management. <i>Journal of Environmental Management</i> , 2022, 307, 114520.	7.8	47
3	Resilient Fertilization Strategies to Enhance Rice Productivity in Submergence-Prone Areas. , 2022, 1, .		0
4	Real-time nitrogen management using decision support-tools increases nitrogen use efficiency of rice. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 119, 355-368.	2.2	9
5	Application timing of urea supergranules for climate-resilient maize cultivars grown in Northern Ghana. <i>Journal of Plant Nutrition</i> , 2020, 43, 949-964.	1.9	9
6	Movement and Retention of NH ₄ -N in Wetland Rice Soils as Affected by Urea Application Methods. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 589-597.	3.4	17
7	Resilient rice fertilization strategy for submergence-prone savanna agro-ecological zones of Northern Ghana. <i>Journal of Plant Nutrition</i> , 2020, 43, 965-986.	1.9	2
8	Agronomic effectiveness of urea deep placement technology for upland maize production. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 116, 179-193.	2.2	3
9	Increasing nitrogen use efficiency in rice through fertilizer application method under rainfed drought conditions in Nepal. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 118, 103-114.	2.2	18
10	Mitigating N ₂ O and NO Emissions from Direct-Seeded Rice with Nitrification Inhibitor and Urea Deep Placement. <i>Rice Science</i> , 2020, 27, 434-444.	3.9	24
11	Interactive effects of drought, organic fertilizer, and zinc oxide nanoscale and bulk particles on wheat performance and grain nutrient accumulation. <i>Science of the Total Environment</i> , 2020, 722, 137808.	8.0	104
12	Maize Grain Composition with Additions of NPK Briquette and Organically Enhanced N Fertilizer. <i>Agronomy</i> , 2020, 10, 852.	3.0	7
13	Modelling climate change impacts on maize yields under low nitrogen input conditions in sub-Saharan Africa. <i>Global Change Biology</i> , 2020, 26, 5942-5964.	9.5	60
14	Facile Coating of Urea With Low-Dose ZnO Nanoparticles Promotes Wheat Performance and Enhances Zn Uptake Under Drought Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 168.	3.6	120
15	Development of fertilizers for enhanced nitrogen use efficiency – Trends and perspectives. <i>Science of the Total Environment</i> , 2020, 731, 139113.	8.0	191
16	Effects of water management on greenhouse gas emissions from farmers' rice fields in Bangladesh. <i>Science of the Total Environment</i> , 2020, 734, 139382.	8.0	66
17	Minimizing nutrient leaching from maize production systems in northern Ghana with one-time application of multi-nutrient fertilizer briquettes. <i>Science of the Total Environment</i> , 2019, 694, 133667.	8.0	18
18	Zinc oxide nanoparticles alleviate drought-induced alterations in sorghum performance, nutrient acquisition, and grain fortification. <i>Science of the Total Environment</i> , 2019, 688, 926-934.	8.0	196

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19	Quantifying nitric oxide emissions under rice-wheat cropping systems. <i>Environmental Pollution</i> , 2019, 250, 856-862.	7.5	9
20	Addition-omission of zinc, copper, and boron nano and bulk oxide particles demonstrate element and size -specific response of soybean to micronutrients exposure. <i>Science of the Total Environment</i> , 2019, 665, 606-616.	8.0	62
21	Field evaluation of agronomic effectiveness of multi-nutrient fertilizer briquettes for upland crop production. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 110, 395-406.	2.2	17
22	Nitrous oxide and nitric oxide emissions and nitrogen use efficiency as affected by nitrogen placement in lowland rice fields. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 110, 277-291.	2.2	45
23	Different nitrogen rates and methods of application for dry season rice cultivation with alternate wetting and drying irrigation: Fate of nitrogen and grain yield. <i>Agricultural Water Management</i> , 2018, 196, 144-153.	5.6	67
24	Nitrous oxide and nitric oxide emissions from lowland rice cultivation with urea deep placement and alternate wetting and drying irrigation. <i>Scientific Reports</i> , 2018, 8, 17623.	3.3	32
25	Exposure to Weathered and Fresh Nanoparticle and Ionic Zn in Soil Promotes Grain Yield and Modulates Nutrient Acquisition in Wheat (<i>Triticum aestivum</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9645-9656.	5.2	56
26	Effects of Manganese Nanoparticle Exposure on Nutrient Acquisition in Wheat (<i>Triticum aestivum</i> L.). <i>Agronomy</i> , 2018, 8, 158.	3.0	91
27	Composite micronutrient nanoparticles and salts decrease drought stress in soybean. <i>Agronomy for Sustainable Development</i> , 2017, 37, 1.	5.3	152
28	Agronomic effectiveness of an organically enhanced nitrogen fertilizer. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 108, 149-161.	2.2	6
29	Nitrogen uptake kinetics of key staple cereal crops in different agro-ecological regions of the world. <i>Journal of Plant Nutrition</i> , 2017, 40, 995-1023.	1.9	8
30	Causes of variation among rice models in yield response to CO ₂ examined with Free-Air CO ₂ Enrichment and growth chamber experiments. <i>Scientific Reports</i> , 2017, 7, 14858.	3.3	41
31	Fertilizer Deep Placement Increases Rice Production: Evidence from Farmers' Fields in Southern Bangladesh. <i>Agronomy Journal</i> , 2016, 108, 805-812.	1.8	58
32	Changes of Soil Microbial Population and Structure Under Short-term Application of an Organically Enhanced Nitrogen Fertilizer. <i>Soil Science</i> , 2016, 181, 494-502.	0.9	2
33	Rice yields and nitrogen use efficiency with different fertilizers and water management under intensive lowland rice cropping systems in Bangladesh. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 106, 143-156.	2.2	41
34	A taxonomy-based approach to shed light on the babel of mathematical models for rice simulation. <i>Environmental Modelling and Software</i> , 2016, 85, 332-341.	4.5	18
35	Floodwater ammonium, nitrogen use efficiency and rice yields with fertilizer deep placement and alternate wetting and drying under triple rice cropping systems. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 104, 53-66.	2.2	86
36	An Overview of CERES-Sorghum as Implemented in the Cropping System Model Version 4.5. <i>Agronomy Journal</i> , 2015, 107, 1987-2002.	1.8	32

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37	Impacts of urea deep placement on nitrous oxide and nitric oxide emissions from rice fields in Bangladesh. <i>Geoderma</i> , 2015, 259-260, 370-379.	5.1	115
38	Uncertainties in predicting rice yield by current crop models under a wide range of climatic conditions. <i>Global Change Biology</i> , 2015, 21, 1328-1341.	9.5	339
39	Evaluation of Fused Ammonium Sulfate Nitrate Fertilizer for Crop Production. <i>Soil Science</i> , 2013, 178, 79-86.	0.9	6
40	Nitrogen Transformation, Ammonia Volatilization Loss, and Nitrate Leaching in Organically Enhanced Nitrogen Fertilizers Relative to Urea. <i>Soil Science Society of America Journal</i> , 2012, 76, 1842-1854.	2.2	26
41	Separating Nitrogen Polymers from Urea in Ureaform Fertilizer to Study Soil Nitrogen Transformations. <i>Soil Science Society of America Journal</i> , 2011, 75, 1574-1577.	2.2	1
42	Relative Agronomic Effectiveness of Phosphate Rock Compared With Triple Superphosphate for Initial Canola, Wheat, or Ryegrass, and Residual Wheat in Two Acid Soils. <i>Soil Science</i> , 2010, 175, 36-43.	0.9	11
43	Modeling soil and plant phosphorus within DSSAT. <i>Ecological Modelling</i> , 2010, 221, 2839-2849.	2.5	60
44	Rice Growth, Grain Yield, and Floodwater Nutrient Dynamics as Affected by Nutrient Placement Method and Rate. <i>Agronomy Journal</i> , 2008, 100, 526-536.	1.8	82
45	Development and Validation of a Phosphate Rock Decision Support System. <i>Agronomy Journal</i> , 2006, 98, 471-483.	1.8	31
46	The DSSAT cropping system model. <i>European Journal of Agronomy</i> , 2003, 18, 235-265.	4.1	3,085
47	Nitrogen dynamics and crop growth on an Alfisol and a Vertisol under a direct-seeded rainfed lowland rice-based system. <i>Field Crops Research</i> , 2001, 70, 185-199.	5.1	18
48	Nitrogen dynamics and crop growth on an alfisol and a vertisol under rainfed lowland rice-based cropping system. <i>Field Crops Research</i> , 1999, 61, 237-252.	5.1	20
49	Application of a Maize Crop Simulation Model in the Central Region of Malawi. <i>Experimental Agriculture</i> , 1995, 31, 213-226.	0.9	43
50	Using Crop Models for Sustainability and Environmental Quality Assessment. <i>Outlook on Agriculture</i> , 1992, 21, 209-218.	3.4	24
51	Evaluation of Fiji phosphate rocks: Chemical and mineralogical properties of samples from the Lau group. <i>Fertilizer Research</i> , 1990, 23, 181-190.	0.5	2
52	Modeling Soil and Plant Phosphorus Dynamics in Calcareous and Highly Weathered Soils. <i>Soil Science Society of America Journal</i> , 1989, 53, 153-158.	2.2	63
53	Ameliorating incongruent effects of balanced fertilization on maize productivity in strongly acid soils with liming. <i>Journal of Plant Nutrition</i> , 0, , 1-14.	1.9	0