

Upendra Singh

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1750398/upendra-singh-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

3,959
citations

22
h-index

53
g-index

53
ext. papers

4,726
ext. citations

4.9
avg, IF

5.09
L-index

#	Paper	IF	Citations
51	Mitigating greenhouse gas emissions from irrigated rice cultivation through improved fertilizer and water management.. <i>Journal of Environmental Management</i> , 2022 , 307, 114520	7.9	4
50	Real-time nitrogen management using decision support-tools increases nitrogen use efficiency of rice. <i>Nutrient Cycling in Agroecosystems</i> , 2021 , 119, 355-368	3.3	4
49	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 ^{10.2}	10.2	53
48	Maize Grain Composition with Additions of NPK Briquette and Organically Enhanced N Fertilizer. <i>Agronomy</i> , 2020 , 10, 852	3.6	1
47	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	11.4	16
46	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	6.2	65
45	Development of fertilizers for enhanced nitrogen use efficiency - Trends and perspectives. <i>Science of the Total Environment</i> , 2020 , 731, 139113	10.2	73
44	Effects of water management on greenhouse gas emissions from farmers' rice fields in Bangladesh. <i>Science of the Total Environment</i> , 2020 , 734, 139382	10.2	22
43	Application timing of urea supergranules for climate-resilient maize cultivars grown in Northern Ghana. <i>Journal of Plant Nutrition</i> , 2020 , 43, 949-964	2.3	6
42	Movement and Retention of NH4-N in Wetland Rice Soils as Affected by Urea Application Methods. <i>Journal of Soil Science and Plant Nutrition</i> , 2020 , 20, 589-597	3.2	12
41	Resilient rice fertilization strategy for submergence-prone savanna agro-ecological zones of Northern Ghana. <i>Journal of Plant Nutrition</i> , 2020 , 43, 965-986	2.3	1
40	Agronomic effectiveness of urea deep placement technology for upland maize production. <i>Nutrient Cycling in Agroecosystems</i> , 2020 , 116, 179-193	3.3	1
39	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	3.3	10
38	Mitigating N2O and NO Emissions from Direct-Seeded Rice with Nitrification Inhibitor and Urea Deep Placement. <i>Rice Science</i> , 2020 , 27, 434-444	3.8	7
37	Quantifying nitric oxide emissions under rice-wheat cropping systems. <i>Environmental Pollution</i> , 2019 , 250, 856-862	9.3	6
36	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	10.2	40
35	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	10.2	7

34	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	10.2	100
33	Field evaluation of agronomic effectiveness of multi-nutrient fertilizer briquettes for upland crop production. <i>Nutrient Cycling in Agroecosystems</i> , 2018 , 110, 395-406	3.3	11
32	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	3.3	26
31	Effects of Manganese Nanoparticle Exposure on Nutrient Acquisition in Wheat (<i>Triticum aestivum L.</i>). <i>Agronomy</i> , 2018 , 8, 158	3.6	52
30	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	5.9	42
29	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	4.9	10
28	Exposure to Weathered and Fresh Nanoparticle and Ionic Zn in Soil Promotes Grain Yield and Modulates Nutrient Acquisition in Wheat (<i>Triticum aestivum L.</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 9645-9656	5.7	41
27	Composite micronutrient nanoparticles and salts decrease drought stress in soybean. <i>Agronomy for Sustainable Development</i> , 2017 , 37, 1	6.8	113
26	Agronomic effectiveness of an organically enhanced nitrogen fertilizer. <i>Nutrient Cycling in Agroecosystems</i> , 2017 , 108, 149-161	3.3	6
25	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	2.3	5
24	Causes of variation among rice models in yield response to CO examined with Free-Air CO Enrichment and growth chamber experiments. <i>Scientific Reports</i> , 2017 , 7, 14858	4.9	29
23	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	5.2	15
22	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	3.3	59
21	Fertilizer Deep Placement Increases Rice Production: Evidence from Farmers' Fields in Southern Bangladesh. <i>Agronomy Journal</i> , 2016 , 108, 805-812	2.2	40
20	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	1
19	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	3.3	30
18	An Overview of CERES-Borghum as Implemented in the Cropping System Model Version 4.5. <i>Agronomy Journal</i> , 2015 , 107, 1987-2002	2.2	22
17	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	6.7	73

16	Uncertainties in predicting rice yield by current crop models under a wide range of climatic conditions. <i>Global Change Biology</i> , 2015 , 21, 1328-41	11.4	260
15	Evaluation of Fused Ammonium Sulfate Nitrate Fertilizer for Crop Production. <i>Soil Science</i> , 2013 , 178, 79-86	0.9	4
14	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	2.5	20
13	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	2.5	1
12	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	10
11	Modeling soil and plant phosphorus within DSSAT. <i>Ecological Modelling</i> , 2010 , 221, 2839-2849	3	44
10	Rice Growth, Grain Yield, and Floodwater Nutrient Dynamics as Affected by Nutrient Placement Method and Rate. <i>Agronomy Journal</i> , 2008 , 100, 526-536	2.2	58
9	Development and Validation of a Phosphate Rock Decision Support System. <i>Agronomy Journal</i> , 2006 , 98, 471-483	2.2	25
8	The DSSAT cropping system model. <i>European Journal of Agronomy</i> , 2003 , 18, 235-265	5	2393
7	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	5.5	15
6	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	5.5	19
5	Application of a Maize Crop Simulation Model in the Central Region of Malawi. <i>Experimental Agriculture</i> , 1995 , 31, 213-226	1.7	36
4	Using Crop Models for Sustainability and Environmental Quality Assessment. <i>Outlook on Agriculture</i> , 1992 , 21, 209-218	2.9	18
3	Evaluation of Fiji phosphate rocks: Chemical and mineralogical properties of samples from the Lau group. <i>Fertilizer Research</i> , 1990 , 23, 181-190	2	
2	Modeling Soil and Plant Phosphorus Dynamics in Calcareous and Highly Weathered Soils. <i>Soil Science Society of America Journal</i> , 1989 , 53, 153-158	2.5	51
1	Ameliorating incongruent effects of balanced fertilization on maize productivity in strongly acid soils with liming. <i>Journal of Plant Nutrition</i> , 1-14	2.3	