Prem S Bindraban

List of Publications by Year
in descending order

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32	4,143	304743	414414
papers	citations	22 h-index	32 g-index

33	33	33	4993
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing water management effects on spring wheat yield in the Canadian Prairies using DSSAT wheat models. Agricultural Water Management, 2021, 244, 106591.	5.6	13
2	Rice yield and economic response to micronutrient application in Tanzania. Field Crops Research, 2021, 270, 108201.	5.1	8
3	Characterization of farmers and the effect of fertilization on maize yields in the Guinea Savannah, Sudan Savannah, and Transitional agroecological zones of Ghana. EFB Bioeconomy Journal, 2021, 1, 100019.	2.4	7
4	Foliar fertilization: possible routes of iron transport from leaf surface to cell organelles. Archives of Agronomy and Soil Science, 2020, 66, 279-300.	2.6	19
5	Exploring phosphorus fertilizers and fertilization strategies for improved human and environmental health. Biology and Fertility of Soils, 2020, 56, 299-317.	4.3	251
6	Interactive effects of drought, organic fertilizer, and zinc oxide nanoscale and bulk particles on wheat performance and grain nutrient accumulation. Science of the Total Environment, 2020, 722, 137808.	8.0	104
7	Facile Coating of Urea With Low-Dose ZnO Nanoparticles Promotes Wheat Performance and Enhances Zn Uptake Under Drought Stress. Frontiers in Plant Science, 2020, 11, 168.	3.6	120
8	Safeguarding human and planetary health demands a fertilizer sector transformation. Plants People Planet, 2020, 2, 302-309.	3.3	31
9	Zinc oxide nanoparticles alleviate drought-induced alterations in sorghum performance, nutrient acquisition, and grain fortification. Science of the Total Environment, 2019, 688, 926-934.	8.0	196
10	Foliar Application of Iron Fortified Bacteriosiderophore Improves Growth and Grain Fe Concentration in Wheat and Soybean. Indian Journal of Microbiology, 2019, 59, 344-350.	2.7	17
11	Addition-omission of zinc, copper, and boron nano and bulk oxide particles demonstrate element and size -specific response of soybean to micronutrients exposure. Science of the Total Environment, 2019, 665, 606-616.	8.0	62
12	Foliar application of organic and inorganic iron formulation induces differential detoxification response to improve growth and biofortification in soybean. Plant Physiology Reports, 2019, 24, 119-128.	1.5	20
13	Unlocking the multiple public good services from balanced fertilizers. Food Security, 2018, 10, 273-285.	5.3	30
14	Nanofertilizers: New Products for the Industry?. Journal of Agricultural and Food Chemistry, 2018, 66, 6462-6473.	5.2	297
15	Exposure to Weathered and Fresh Nanoparticle and Ionic Zn in Soil Promotes Grain Yield and Modulates Nutrient Acquisition in Wheat (Triticum aestivum L.). Journal of Agricultural and Food Chemistry, 2018, 66, 9645-9656.	5.2	56
16	Effects of Manganese Nanoparticle Exposure on Nutrient Acquisition in Wheat (Triticum aestivum L.). Agronomy, 2018, 8, 158.	3.0	91
17	Composite micronutrient nanoparticles and salts decrease drought stress in soybean. Agronomy for Sustainable Development, 2017, 37, 1.	5.3	152
18	Effects of Nutrient Antagonism and Synergism on Yield and Fertilizer Use Efficiency. Communications in Soil Science and Plant Analysis, 2017, 48, 1895-1920.	1.4	277

#	Article	IF	Citations
19	Fortification of micronutrients for efficient agronomic production: a review. Agronomy for Sustainable Development, 2016, 36, 1.	5.3	306
20	Does Morphological and Anatomical Plasticity during the Vegetative Stage Make Wheat More Tolerant of Water Deficit Stress Than Rice? Â. Plant Physiology, 2015, 167, 1389-1401.	4.8	111
21	A review of the use of engineered nanomaterials to suppress plant disease and enhance crop yield. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	501
22	Revisiting fertilisers and fertilisation strategies for improved nutrient uptake by plants. Biology and Fertility of Soils, 2015, 51, 897-911.	4.3	297
23	Making More Food Available: Promoting Sustainable Agricultural Production. Journal of Integrative Agriculture, 2012, 11, 1-8.	3.5	14
24	Megatrends in agriculture â€“ Views for discontinuities in past and future developments. Global Food Security, 2012, 1, 99-105.	8.1	19
25	Assessing the impact of soil degradation on food production. Current Opinion in Environmental Sustainability, 2012, 4, 478-488.	6.3	142
26	The Need for Agro-Ecological Intelligence to Preparing Agriculture for Climate Change. Journal of Crop Improvement, 2012, 26, 301-328.	1.7	3
27	Modeling the productivity of energy crops in different agro-ecological environments. Biomass and Bioenergy, 2012, 46, 618-633.	5.7	22
28	Changes in organic carbon stocks upon land use conversion in the Brazilian Cerrado: A review. Agriculture, Ecosystems and Environment, 2010, 137, 47-58.	5.3	207
29	Improving agricultural water productivity: Between optimism and caution. Agricultural Water Management, 2010, 97, 528-535.	5.6	610
30	Can large-scale biofuels production be sustainable by 2020?. Agricultural Systems, 2009, 101, 197-199.	6.1	65
31	A Generic Equation for Nitrogen-limited Leaf Area Index and its Application in Crop Growth Models for Predicting Leaf Senescence. Annals of Botany, 2000, 85, 579-585.	2.9	67
32	Identifying factors that determine kernel number in wheat. Field Crops Research, 1998, 58, 223-234.	5.1	28