Karnam Venkatesh

List of Publications by Year
in descending order

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23 papers	504 citations	759233 12 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	564 citing authors

#	Article	IF	Citations
1	Positive and negative GPSâ€TEC ionospheric storm effects during the extreme space weather event of March 2015 over the Brazilian sector. Journal of Geophysical Research: Space Physics, 2016, 121, 5613-5625.	2.4	109
2	Nitrate Starvation Induced Changes in Root System Architecture, Carbon:Nitrogen Metabolism, and miRNA Expression in Nitrogen-Responsive Wheat Genotypes. Applied Biochemistry and Biotechnology, 2015, 177, 1299-1312.	2.9	78
3	On the performance of the IRIâ€2012 and NeQuick2 models during the increasing phase of the unusual 24th solar cycle in the Brazilian equatorial and lowâ€latitude sectors. Journal of Geophysical Research: Space Physics, 2014, 119, 5087-5105.	2.4	41
4	On the variabilities of the Total Electron Content (TEC) over the Indian low latitude sector. Advances in Space Research, 2012, 49, 898-913.	2.6	34
5	Optimization of Agrobacterium-mediated transformation in spring bread wheat using mature and immature embryos. Molecular Biology Reports, 2019, 46, 1845-1853.	2.3	29
6	Nitrogen Challenges and Opportunities for Agricultural and Environmental Science in India. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	29
7	Development of an efficient and reproducible regeneration system in wheat (Triticum aestivum L.). Physiology and Molecular Biology of Plants, 2017, 23, 945-954.	3.1	25
8	Root architecture traits variation and nitrate-influx responses in diverse wheat genotypes under different external nitrogen concentrations. Plant Physiology and Biochemistry, 2020, 148, 246-259.	5.8	22
9	Natural variation in root system architecture in diverse wheat genotypes grown under different nitrate conditions and root growth media. Theoretical and Experimental Plant Physiology, 2018, 30, 223-234.	2.4	20
10	Total electron content disturbances during minor sudden stratospheric warming, over the Brazilian region: A case study during January 2012. Journal of Geophysical Research: Space Physics, 2017, 122, 2119-2135.	2.4	18
11	Assessment of IRI-2012 profile parameters by comparison with the ones inferred using NeQuick2, ionosonde and FORMOSAT-1 data during the high solar activity over Brazilian equatorial and low latitude sector. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 121, 10-23.	1.6	16
12	Sustainable intensification of maize and wheat cropping system through pulse intercropping. Scientific Reports, 2021, 11, 18805.	3.3	14
13	Influence of Diurnal Irradiance Variation on Chlorophyll Values in Wheat: A Comparative Study Using Different Chlorophyll Meters. The National Academy of Sciences, India, 2017, 40, 221-224.	1.3	13
14	Bottom side profiles for two close stations at the southern crest of the EIA: Differences and comparison with IRI-2012 and NeQuick2 for low and high solar activity. Advances in Space Research, 2018, 61, 295-315.	2.6	10
15	Study of the F3 and StF4 Layers at TucumÃ¡n Near the Southern Crest of the Equatorial Ionization Anomaly in Western South America. Journal of Geophysical Research: Space Physics, 2018, 123, 2156-2167.	2.4	8
16	Equatorial and low-latitude positive ionospheric phases due to moderate geomagnetic storm during high solar activity in January 2013. Advances in Space Research, 2019, 64, 995-1010.	2.6	7
17	Effect of Rice Residue Retention and Foliar Application of K on Water Productivity and Profitability of Wheat in North West India. Agronomy, 2020, 10, 434.	3.0	7
18	Molecular Characterization of GS2 and Fd-GOGAT Homeologues and Their Biased Response to Nitrogen Stress in Bread Wheat (Triticum aestivum L.). Journal of Plant Growth Regulation, 2022, 41, 2555-2569.	5.1	6

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19	Daily and Monthly Variations of the Equatorial Ionization Anomaly (EIA) Over the Brazilian Sector During the Descending Phase of the Solar Cycle 24. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027906.	2.4	5
20	Physio-molecular traits of contrasting bread wheat genotypes associated with 15N influx exhibiting homeolog expression bias in nitrate transporter genes under different external nitrate concentrations. Planta, 2022, 255, 104.	3.2	5
21	Incorporation of rice residue and green gram cultivation saves nitrogen, improve soil health and sustainability of rice-wheat system. Field Crops Research, 2021, 271, 108248.	5.1	4
22	Analysis of transgene(s) (psy+crtI) inheritance and its stability over generations in the genetic background of indica rice cultivar Swarna. Journal of Plant Biochemistry and Biotechnology, 2011, 20, 29-38.	1.7	3
23	Application and Achievements of Recombinant DNA Technology in Crop Improvement. , 2018, , 299-328.		1