

# Karnam Venkatesh

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Molecular Characterization of GS2 and Fd-GOGAT Homeologues and Their Biased Response to Nitrogen Stress in Bread Wheat ( <i>Triticum aestivum</i> L.). <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2555-2569.	5.1	6
2	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. <i>Planta</i> , 2022, 255, 104.	3.2	5
3	Nitrogen Challenges and Opportunities for Agricultural and Environmental Science in India. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	3.9	29
4	Incorporation of rice residue and green gram cultivation saves nitrogen, improve soil health and sustainability of rice-wheat system. <i>Field Crops Research</i> , 2021, 271, 108248.	5.1	4
5	Sustainable intensification of maize and wheat cropping system through pulse intercropping. <i>Scientific Reports</i> , 2021, 11, 18805.	3.3	14
6	Daily and Monthly Variations of the Equatorial Ionization Anomaly (EIA) Over the Brazilian Sector During the Descending Phase of the Solar Cycle 24. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027906.	2.4	5
7	Root architecture traits variation and nitrate-influx responses in diverse wheat genotypes under different external nitrogen concentrations. <i>Plant Physiology and Biochemistry</i> , 2020, 148, 246-259.	5.8	22
8	Effect of Rice Residue Retention and Foliar Application of K on Water Productivity and Profitability of Wheat in North West India. <i>Agronomy</i> , 2020, 10, 434.	3.0	7
9	Optimization of Agrobacterium-mediated transformation in spring bread wheat using mature and immature embryos. <i>Molecular Biology Reports</i> , 2019, 46, 1845-1853.	2.3	29
10	Equatorial and low-latitude positive ionospheric phases due to moderate geomagnetic storm during high solar activity in January 2013. <i>Advances in Space Research</i> , 2019, 64, 995-1010.	2.6	7
11	Study of the F3 and StF4 Layers at Tucumã in Near the Southern Crest of the Equatorial Ionization Anomaly in Western South America. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2156-2167.	2.4	8
12	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. <i>Advances in Space Research</i> , 2018, 61, 295-315.	2.6	10
13	Natural variation in root system architecture in diverse wheat genotypes grown under different nitrate conditions and root growth media. <i>Theoretical and Experimental Plant Physiology</i> , 2018, 30, 223-234.	2.4	20
14	Application and Achievements of Recombinant DNA Technology in Crop Improvement. , 2018, , 299-328.		1
15	Total electron content disturbances during minor sudden stratospheric warming, over the Brazilian region: A case study during January 2012. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2119-2135.	2.4	18
16	Influence of Diurnal Irradiance Variation on Chlorophyll Values in Wheat: A Comparative Study Using Different Chlorophyll Meters. <i>The National Academy of Sciences, India</i> , 2017, 40, 221-224.	1.3	13
17	Development of an efficient and reproducible regeneration system in wheat ( <i>Triticum aestivum</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 945-954.	3.1	25
18	Positive and negative GPS-TEC ionospheric storm effects during the extreme space weather event of March 2015 over the Brazilian sector. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 5613-5625.	2.4	109

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19	Nitrate Starvation Induced Changes in Root System Architecture, Carbon:Nitrogen Metabolism, and miRNA Expression in Nitrogen-Responsive Wheat Genotypes. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1299-1312.	2.9	78
20	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. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 121, 10-23.	1.6	16
21	On the performance of the IRI-2012 and NeQuick2 models during the increasing phase of the unusual 24th solar cycle in the Brazilian equatorial and low-latitude sectors. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5087-5105.	2.4	41
22	On the variabilities of the Total Electron Content (TEC) over the Indian low latitude sector. <i>Advances in Space Research</i> , 2012, 49, 898-913.	2.6	34
23	Analysis of transgene(s) (psy+crtI) inheritance and its stability over generations in the genetic background of indica rice cultivar Swarna. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2011, 20, 29-38.	1.7	3