

Surya Kant

List of Publications by Citations

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

92
papers

2,813
citations

24
h-index

52
g-index

125
ext. papers

3,711
ext. citations

3.6
avg, IF

5.37
L-index

#	Paper	IF	Citations
92	The impact of air pollution on deaths, disease burden, and life expectancy across the states of India: the Global Burden of Disease Study 2017. <i>Lancet Planetary Health, The</i> , 2019 , 3, e26-e39	9.8	335
91	Understanding plant response to nitrogen limitation for the improvement of crop nitrogen use efficiency. <i>Journal of Experimental Botany</i> , 2011 , 62, 1499-509	7	332
90	Genetic regulation by NLA and microRNA827 for maintaining nitrate-dependent phosphate homeostasis in arabidopsis. <i>PLoS Genetics</i> , 2011 , 7, e1002021	6	256
89	Evidence that differential gene expression between the halophyte, <i>Thellungiella halophila</i> , and <i>Arabidopsis thaliana</i> is responsible for higher levels of the compatible osmolyte proline and tight control of Na ⁺ uptake in <i>T. halophila</i> . <i>Plant, Cell and Environment</i> , 2006 , 29, 1220-34	8.4	209
88	SAUR39, a small auxin-up RNA gene, acts as a negative regulator of auxin synthesis and transport in rice. <i>Plant Physiology</i> , 2009 , 151, 691-701	6.6	157
87	STRESS RESPONSE SUPPRESSOR1 and STRESS RESPONSE SUPPRESSOR2, two DEAD-box RNA helicases that attenuate Arabidopsis responses to multiple abiotic stresses. <i>Plant Physiology</i> , 2007 , 145, 814-30	6.6	137
86	Increased nitrogen-use efficiency in transgenic rice plants over-expressing a nitrogen-responsive early nodulin gene identified from rice expression profiling. <i>Plant, Cell and Environment</i> , 2009 , 32, 1749-60	8.4	112
85	Exome sequencing highlights the role of wild-relative introgression in shaping the adaptive landscape of the wheat genome. <i>Nature Genetics</i> , 2019 , 51, 896-904	36.3	108
84	Functional-genomics-based identification of genes that regulate Arabidopsis responses to multiple abiotic stresses. <i>Plant, Cell and Environment</i> , 2008 , 31, 697-714	8.4	94
83	Interstitial Lung Disease in India. Results of a Prospective Registry. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 801-813	10.2	91
82	Health and economic impact of air pollution in the states of India: the Global Burden of Disease Study 2019. <i>Lancet Planetary Health, The</i> , 2021 , 5, e25-e38	9.8	78
81	Improving yield potential in crops under elevated CO ₂ : Integrating the photosynthetic and nitrogen utilization efficiencies. <i>Frontiers in Plant Science</i> , 2012 , 3, 162	6.2	74
80	The Arabidopsis halophytic relative <i>Thellungiella halophila</i> tolerates nitrogen-limiting conditions by maintaining growth, nitrogen uptake, and assimilation. <i>Plant Physiology</i> , 2008 , 147, 1168-80	6.6	63
79	Partial substitution of NO ₃ ⁻ by NH ₄ ⁺ fertilization increases ammonium assimilating enzyme activities and reduces the deleterious effects of salinity on the growth of barley. <i>Journal of Plant Physiology</i> , 2007 , 164, 303-11	3.6	58
78	Understanding nitrate uptake, signaling and remobilisation for improving plant nitrogen use efficiency. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 74, 89-96	7.5	56
77	Role of microRNAs involved in plant response to nitrogen and phosphorous limiting conditions. <i>Frontiers in Plant Science</i> , 2015 , 6, 629	6.2	47
76	Regulated expression of a cytokinin biosynthesis gene IPT delays leaf senescence and improves yield under rainfed and irrigated conditions in canola (<i>Brassica napus</i> L.). <i>PLoS ONE</i> , 2015 , 10, e0116349	3.7	45

75	Pulmonary tuberculosis as differential diagnosis of lung cancer. <i>South Asian Journal of Cancer</i> , 2012 , 1, 36-42	0.7	45
74	Significance of nutrition in pulmonary tuberculosis. <i>Critical Reviews in Food Science and Nutrition</i> , 2015 , 55, 955-63	11.5	41
73	Guidelines for diagnosis and management of bronchial asthma: Joint ICS/NCCP (I) recommendations. <i>Lung India</i> , 2015 , 32, S3-S42	1.1	34
72	Improved Wheat Growth and Yield by Delayed Leaf Senescence Using Developmentally Regulated Expression of a Cytokinin Biosynthesis Gene. <i>Frontiers in Plant Science</i> , 2019 , 10, 1285	6.2	26
71	Auxin-responsive SAUR39 gene modulates auxin level in rice. <i>Plant Signaling and Behavior</i> , 2009 , 4, 1174-5	25	26
70	Improving nitrogen use efficiency in plants: effective phenotyping in conjunction with agronomic and genetic approaches. <i>Functional Plant Biology</i> , 2018 , 45, 606-619	2.7	25
69	Estimation of crop plant density at early mixed growth stages using UAV imagery. <i>Plant Methods</i> , 2019 , 15, 64	5.8	24
68	High-resolution mapping of rachis nodes per rachis, a critical determinant of grain yield components in wheat. <i>Theoretical and Applied Genetics</i> , 2019 , 132, 2707-2719	6	22
67	Nutritional status of chronic obstructive pulmonary disease patients admitted in hospital with acute exacerbation. <i>Journal of Clinical Medicine Research</i> , 2010 , 2, 68-74	2.9	17
66	Guidelines for diagnostic flexible bronchoscopy in adults: Joint Indian Chest Society/National College of chest physicians (I)/Indian association for bronchology recommendations. <i>Lung India</i> , 2019 , 36, S37-S89	1.1	17
65	Effects of Ammonium to Nitrate Ratio and Salinity on Yield and Fruit Quality of Large and Small Tomato Fruit Hybrids. <i>Journal of Plant Nutrition</i> , 2005 , 27, 1795-1812	2.3	16
64	Phenotyping approaches to evaluate nitrogen-use efficiency related traits of diverse wheat varieties under field conditions. <i>Crop and Pasture Science</i> , 2016 , 67, 1139	2.2	16
63	Automated Machine Learning for High-Throughput Image-Based Plant Phenotyping. <i>Remote Sensing</i> , 2021 , 13, 858	5	15
62	An international perspective on hospitalized patients with viral community-acquired pneumonia. <i>European Journal of Internal Medicine</i> , 2019 , 60, 54-70	3.9	14
61	High-throughput phenotyping using digital and hyperspectral imaging-derived biomarkers for genotypic nitrogen response. <i>Journal of Experimental Botany</i> , 2020 , 71, 4604-4615	7	13
60	Prospects of Improving Nitrogen Use Efficiency in Potato: Lessons From Transgenics to Genome Editing Strategies in Plants. <i>Frontiers in Plant Science</i> , 2020 , 11, 597481	6.2	12
59	Genome-wide association reveals a complex architecture for rust resistance in 2300 worldwide bread wheat accessions screened under various Australian conditions. <i>Theoretical and Applied Genetics</i> , 2020 , 133, 2695-2712	6	11
58	A Robust Automated Image-Based Phenotyping Method for Rapid Vegetative Screening of Wheat Germplasm for Nitrogen Use Efficiency. <i>Frontiers in Plant Science</i> , 2019 , 10, 1372	6.2	11

57	Fusion of Spectral and Structural Information from Aerial Images for Improved Biomass Estimation. <i>Remote Sensing</i> , 2020 , 12, 3164	5	11
56	Joint Indian Chest Society-National College of Chest Physicians (India) guidelines for spirometry. <i>Lung India</i> , 2019 , 36, S1-S35	1.1	10
55	Organic Amendments Application Increases Yield and Nutrient Uptake of Mustard (Brassica Juncea) Grown in Chromium-Contaminated Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2020 , 51, 149-159	1.5	9
54	Genomic Prediction and Genetic Correlation of Agronomic, Blackleg Disease, and Seed Quality Traits in Canola (L.). <i>Plants</i> , 2020 , 9,	4.5	8
53	Automated Rainout Shelter® Design for Well-Defined Water Stress Field Phenotyping of Crop Plants. <i>Crop Science</i> , 2017 , 57, 327-331	2.4	8
52	Genotypic response of wheat under semi-arid conditions showed no specific responsive traits when grown under elevated CO ₂ . <i>Plant Production Science</i> , 2019 , 22, 333-344	2.4	8
51	Effect of seed priming on growth and phenology of wheat under late-sown conditions. <i>Tropical Science</i> , 2004 , 44, 9-15		8
50	Potassium uptake by higher plants: From field application to membrane transport. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2005 , 53, 443-459		8
49	Aspiration Risk Factors, Microbiology, and Empiric Antibiotics for Patients Hospitalized With Community-Acquired Pneumonia. <i>Chest</i> , 2021 , 159, 58-72	5.3	8
48	Agrobacterium-mediated high frequency transformation in dwarf recalcitrant rice cultivars. <i>Biologia Plantarum</i> , 2007 , 51, 61-68	2.1	7
47	A novel crop water analysis system: identification of water stress tolerant genotypes of canola (Brassica napus L.) using non-invasive magnetic turgor pressure probes. <i>Plant Breeding</i> , 2014 , 133, 602-608	2.4	6
46	Clinical, demographic and radiological profile of smoker COPD versus nonsmoker COPD patients at a tertiary care center in North India. <i>Journal of Family Medicine and Primary Care</i> , 2019 , 8, 2364-2368	1.5	6
45	Sleep quality and insulin resistance in adolescent subjects with different circadian preference: A cross-sectional study. <i>Journal of Family Medicine and Primary Care</i> , 2019 , 8, 2502-2505	1.5	6
44	Water availability and nitrogen use in plants: effects, interaction, and underlying molecular mechanisms 2017 , 233-243		5
43	High-throughput phenotyping to dissect genotypic differences in safflower for drought tolerance. <i>PLoS ONE</i> , 2021 , 16, e0254908	3.7	5
42	Phenotyping wheat under salt stress conditions using a 3D laser scanner. <i>Israel Journal of Plant Sciences</i> , 2016 , 1-8	0.6	5
41	Association of Nat2 Gene Polymorphism with Antitubercular Drug-induced Hepatotoxicity in the Eastern Uttar Pradesh Population. <i>Cureus</i> , 2019 , 11, e4425	1.2	4
40	sensitization in bronchial asthma: A separate phenotype. <i>Allergy and Asthma Proceedings</i> , 2020 , 41, e26-e32		4

39	Genomic prediction and genomic heritability of grain yield and its related traits in a safflower genebank collection. <i>Plant Genome</i> , 2021 , 14, e20064	4.4	4
38	Machine Learning Regression Analysis for Estimation of Crop Emergence Using Multispectral UAV Imagery. <i>Remote Sensing</i> , 2021 , 13, 2918	5	4
37	Management of interstitial lung diseases: A consensus statement of the Indian Chest Society (ICS) and National College of Chest Physicians (NCCP). <i>Lung India</i> , 2020 , 37, 359	1.1	3
36	A Comparative Study of Cell Block versus Biopsy for Detection of Epidermal Growth Factor Receptor Mutations and Anaplastic Lymphoma Kinase Rearrangement in Adenocarcinoma Lung. <i>Journal of Cytology</i> , 2019 , 36, 13-17	1.2	3
35	Association of inflammatory biomarkers with lung cancer in North Indian population. <i>African Health Sciences</i> , 2019 , 19, 2147-2155	1.1	2
34	Estimating early season growth and biomass of field pea for selection of divergent ideotypes using proximal sensing. <i>Field Crops Research</i> , 2022 , 277, 108407	5.5	2
33	Hospital-based study on demographic, hematological, and biochemical profile of lung cancer patients. <i>Journal of Cancer Research and Therapeutics</i> , 2020 , 16, 839-842	1.2	2
32	Delay in starting therapy in drug-resistant tuberculosis [An insight]. <i>Journal of Mahatma Gandhi Institute of Medical Sciences</i> , 2020 , 25, 19	0.2	2
31	Hypersensitivity pneumonitis: Clinical manifestations - Prospective data from the interstitial lung disease-India registry. <i>Lung India</i> , 2019 , 36, 476-482	1.1	2
30	Automated Machine Learning for High-Throughput Image-Based Plant Phenotyping		2
29	Digital Phenotyping to Delineate Salinity Response in Safflower Genotypes. <i>Frontiers in Plant Science</i> , 2021 , 12, 662498	6.2	2
28	Prophylactic and therapeutic potential of selected immunomodulatory agents from Ayurveda against coronaviruses amidst the current formidable scenario: an analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-53	3.6	2
27	Overexpression of OsPHR3 improves growth traits and facilitates nitrogen use efficiency under low phosphate condition. <i>Plant Physiology and Biochemistry</i> , 2021 , 166, 712-722	5.4	2
26	Remdesivir - Current evidence & perspective in management of COVID-19 infection. <i>Journal of Family Medicine and Primary Care</i> , 2021 , 10, 1808-1813	1.5	2
25	The impact of COVID-19 on tuberculosis: challenges and opportunities. <i>Therapeutic Advances in Infectious Disease</i> , 2021 , 8, 20499361211016973	2.8	2
24	Serum procalcitonin levels in chronic obstructive pulmonary disease patients in North Indian Population. <i>Annals of African Medicine</i> , 2019 , 18, 103-107	1.7	1
23	"Necklace in the lung:" Multilocular hydatid cyst mimicking left-sided massive pleural effusion. <i>Lung India</i> , 2019 , 36, 550-552	1.1	1
22	Clinicoradiological profile of interstitial lung diseases at a tertiary care center in Northern India: An eight-year study. <i>Indian Journal of Tuberculosis</i> , 2021 ,	1.6	1

21	Association of cytokines levels with epidermal growth factor receptor mutation in lung cancer patients. <i>Journal of Cancer Research and Therapeutics</i> , 2020 , 16, 811-815	1.2	1
20	Effects of Ammonium to Nitrate Ratio and Salinity on Yield and Fruit Quality of Large and Small Tomato Fruit Hybrids		1
19	Independent and Interactive Effect of CYPs and GSTs Genetic Variants and Tobacco Smoking on the Risk of Non-Small Cell Lung Carcinoma. <i>Archives of Medical Research</i> , 2021 , 52, 719-730	6.6	1
18	Postnatal newborn care practices and knowledge of newborn danger signs among mothers in rural area of Lucknow, Uttar Pradesh: A cross-sectional study. <i>Journal of Family Medicine and Primary Care</i> , 2021 , 10, 300-306	1.5	1
17	Genome-wide association studies dissect the G × E interaction for agronomic traits in a worldwide collection of safflowers (<i>Carthamus tinctorius</i> L.). <i>Molecular Breeding</i> , 2022 , 42, 1	3.4	1
16	Vitamin D, C-reactive protein, and oxidative stress markers in chronic obstructive pulmonary disease. <i>Tzu Chi Medical Journal</i> , 2021 , 33, 80-86	1.1	0
15	An update on the diagnostic biomarkers for asthma. <i>Journal of Family Medicine and Primary Care</i> , 2021 , 10, 1139-1148	1.5	0
14	Survival predictors of interstitial lung disease in India: Follow-up of Interstitial Lung Disease India registry. <i>Lung India</i> , 2021 , 38, 5-11	1.1	0
13	Impact of glutathione S transferases P1 (Ile105Val) variants on the risk of GSTp, phosphorylated c-Jun kinase, and P53 phenotypic expression and their implications on overall survival outcomes in non-small cell lung cancer patients treated with chemotherapy.. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2022 , 824, 111775	3.3	
12	Echocardiographic evaluation of stable chronic obstructive pulmonary disease (COPD) patients. <i>The Journal of Association of Chest Physicians</i> , 2020 , 8, 88	0.2	
11	Transcription factor NF- κ B, interleukin-1 β and interleukin-8 expression and its association with tobacco smoking and severity in chronic obstructive pulmonary disease. <i>Gene Reports</i> , 2022 , 26, 101453	1.4	
10	Basics of Sensor-Based Phenotyping in Wheat. <i>Springer Protocols</i> , 2022 , 305-331	0.3	
9	Estimates of Prevalence of Pulmonary Hypertension according to Different International Definitions. <i>Canadian Respiratory Journal</i> , 2021 , 2021, 1385322	2.1	
8	An unusual case of cardiovascular syndrome. <i>CHRISMED Journal of Health and Research</i> , 2019 , 6, 114	0.1	
7	Thyroid transcription factor-1 expression in adenocarcinoma lung and its association with histomorphological features. <i>Indian Journal of Medical and Paediatric Oncology</i> , 2019 , 40, 510	0.2	
6	Respiratory Health Hazards in Women. <i>The Journal of Association of Chest Physicians</i> , 2019 , 7, 1	0.2	
5	Pulmonary neuroendocrine tumor in a young male. <i>Journal of Medical Sciences (Taiwan)</i> , 2020 , 40, 190	0.2	
4	Potential Role of Proteasome Accessory Factor-C in Resistance against Second Line Drugs in Mycobacteria. <i>Journal of Laboratory Physicians</i> , 2020 , 12, 250-262	1.6	

- 3 Relevance of genetic polymorphisms in tobacco-related detoxifying enzymes in non-small cell lung carcinoma susceptibility. *Gene Reports*, **2020**, 21, 100790 1.4
- 2 Current challenges and future scope of nanoparticles in chronic obstructive pulmonary disease. *Eurasian Journal of Pulmonology*, **2021**, 23, 10 0.2
- 1 Pulmonary neurofibromatosis with bilateral bronchiectasis: A rare thoracic manifestation. *Indian Journal of Respiratory Care*, **2021**, 10, 132 0.2