

# Sunil Kumar Singh

## 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.

32  
papers

1,339  
citations

18  
h-index

36  
g-index

37  
ext. papers

1,673  
ext. citations

4.4  
avg, IF

4.74  
L-index

#	Paper	IF	Citations
32	The Arabidopsis IRX10 and IRX10-LIKE glycosyltransferases are critical for glucuronoxylan biosynthesis during secondary cell wall formation. <i>Plant Journal</i> , <b>2009</b> , 57, 718-31	6.9	198
31	A Survey on Successors of LEACH Protocol. <i>IEEE Access</i> , <b>2017</b> , 5, 4298-4328	3.5	178
30	Zinc oxide nanoparticles induce apoptosis by enhancement of autophagy via PI3K/Akt/mTOR inhibition. <i>Toxicology Letters</i> , <b>2014</b> , 227, 29-40	4.4	151
29	Development of a 63K SNP Array for Cotton and High-Density Mapping of Intraspecific and Interspecific Populations of <i>Gossypium</i> spp. <i>G3: Genes, Genomes, Genetics</i> , <b>2015</b> , 5, 1187-209	3.2	117
28	ACAULIS5 controls Arabidopsis xylem specification through the prevention of premature cell death. <i>Development (Cambridge)</i> , <b>2008</b> , 135, 2573-82	6.6	113
27	India National Gas Hydrate Program Expedition 02 Summary of Scientific Results: Gas hydrate systems along the eastern continental margin of India. <i>Marine and Petroleum Geology</i> , <b>2019</b> , 108, 39-142	4.7	95
26	Role of polyamines in plant vascular development. <i>Plant Physiology and Biochemistry</i> , <b>2010</b> , 48, 534-9	5.4	72
25	Nanosilica: Recent Progress in Synthesis, Functionalization, Biocompatibility, and Biomedical Applications. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 4882-4898	5.5	53
24	Cu(I)-mediated deoxygenation of N-oxides to amines. <i>Tetrahedron</i> , <b>2007</b> , 63, 126-130	2.4	41
23	Cell adhesion in Arabidopsis thaliana is mediated by ECTOPICALLY PARTING CELLS 1--a glycosyltransferase (GT64) related to the animal exostosins. <i>Plant Journal</i> , <b>2005</b> , 43, 384-97	6.9	35
22	A comprehensive survey on trajectory schemes for data collection using mobile elements in WSNs. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2020</b> , 11, 291-312	3.7	30
21	Methanesulfonamide group at position-4 of the C-5-phenyl ring of 1,5-diarylpyrazole affords a potent class of cyclooxygenase-2 (COX-2) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 1683-8	2.9	28
20	An Energy Efficient Protocol to Mitigate Hot Spot Problem Using Unequal Clustering in WSN. <i>Wireless Personal Communications</i> , <b>2018</b> , 101, 799-827	1.9	26
19	Mefloquine induces ROS mediated programmed cell death in malaria parasite: Plasmodium. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2016</b> , 21, 955-64	5.4	26
18	Phorate induced oxidative stress, DNA damage and differential expression of p53, apaf-1 and cat genes in fish, <i>Channa punctatus</i> (Bloch, 1793). <i>Chemosphere</i> , <b>2017</b> , 182, 382-391	8.4	24
17	Identification of $\beta$ Amino alcohol grafted 1,4,5 trisubstituted 1,2,3-triazoles as potent antimalarial agents. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 109, 187-98	6.8	24
16	Arteether nanoemulsion for enhanced efficacy against Plasmodium yoelii nigeriensis malaria: an approach by enhanced bioavailability. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 126, 467-75	6	21

15	Large-scale resource development in <i>Gossypium hirsutum</i> L. by 454 sequencing of genic-enriched libraries from six diverse genotypes. <i>Plant Biotechnology Journal</i> , <b>2013</b> , 11, 953-63	11.6	20
14	Analysis of genetic diversity, population structure and linkage disequilibrium in elite cotton ( <i>Gossypium</i> L.) germplasm in India. <i>Crop and Pasture Science</i> , <b>2011</b> , 62, 859	2.2	17
13	Genomic-assisted identification of genes involved in secondary growth in <i>Arabidopsis</i> utilising transcript profiling of poplar wood-forming tissues. <i>Physiologia Plantarum</i> , <b>2006</b> , 129, 415-428	4.6	16
12	Nanosilica based electrochemical biosensor: A novel approach for the detection of platelet-derived microparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 240, 322-329	8.5	10
11	An energy efficient Odd-Even round number based data collection using mules in WSNs <b>2016</b> ,		10
10	Potential cerebral malaria therapy: intramuscular arteether and vitamin D co-administration. <i>Parasitology</i> , <b>2016</b> , 143, 1557-68	2.7	8
9	Energy Conservation Through Data Prediction in Wireless Sensor Networks. <i>SSRN Electronic Journal</i> , <b>2018</b> ,	1	6
8	Pyrrrolidine-Acridine hybrid in Artemisinin-based combination: a pharmacodynamic study. <i>Parasitology</i> , <b>2016</b> , 143, 1421-32	2.7	5
7	A load balancing virtual level routing (LBVLR) using mobile mule for large sensor networks. <i>Journal of Supercomputing</i> , <b>2019</b> , 75, 7426-7459	2.5	4
6	An energy efficient routing using multi-hop intra clustering technique in WSNs <b>2017</b> ,		4
5	Potential role of arteether on N-methyl-D-aspartate (NMDA) receptor expression in experimental cerebral malaria mice and extension of their survival. <i>Parasitology</i> , <b>2019</b> , 146, 1571-1577	2.7	3
4	Source location privacy using data mules in Wireless Sensor Networks <b>2016</b> ,		2
3	A Mobile Sinks Based Data Collection Scheme for Isolated Wireless Sensor Networks. <i>SSRN Electronic Journal</i> , <b>2018</b> ,	1	1
2	The Plant Glycosyltransferase Family GT64: In Search of a Function 285-303		0
1	The Plant Glycosyltransferase Family GT64: In Search of a Function <b>2018</b> , 285-303		