Atul Grover

List of Publications by Year
in descending order

49 papers	1,053 citations	623734 14 h-index	434195 31 g-index
50 all docs	50 docs citations	50 times ranked	1333 citing authors

#	Article	IF	Citations
1	Mining microsatellites in eukaryotic genomes. Trends in Biotechnology, 2007, 25, 490-498.	9.3	236
2	Development and use of molecular markers: past and present. Critical Reviews in Biotechnology, 2016, 36, 290-302.	9.0	224
3	Biased distribution of microsatellite motifs in the rice genome. Molecular Genetics and Genomics, 2007, 277, 469-480.	2.1	63
4	Cold tolerance in Osmotin transgenic tomato (Solanum lycopersicum L.) is associated with modulation in transcript abundance of stress responsive genes. SpringerPlus, 2013, 2, 117.	1.2	46
5	EuMicroSatdb: A database for microsatellites in the sequenced genomes of eukaryotes. BMC Genomics, 2007, 8, 225.	2.8	31
6	Development of EST-based new SSR markers in seabuckthorn. Physiology and Molecular Biology of Plants, 2010, 16, 375-378.	3.1	30
7	Isolation and characterization of cold responsive NAC gene from Lepidium latifolium. Molecular Biology Reports, 2012, 39, 9629-9638.	2.3	28
8	Searching microsatellites in DNA sequences: approaches used and tools developed. Physiology and Molecular Biology of Plants, 2012, 18, 11-19.	3.1	25
9	Breaking seed dormancy in Hippophae salicifolia, a high value medicinal plant. Physiology and Molecular Biology of Plants, 2011, 17, 403-406.	3.1	24
10	Female plants of Hippophae salicifolia D. Don are more responsive to cold stress than male plants. Physiology and Molecular Biology of Plants, 2012, 18, 377-380.	3.1	20
11	MicroRNAs: Potential Targets for Developing Stress-Tolerant Crops. Life, 2021, 11, 289.	2.4	20
12	RNAi Mediated curcin precursor gene silencing in Jatropha (Jatropha curcas L.). Molecular Biology Reports, 2014, 41, 4305-4312.	2.3	19
13	Analysis of Jatropha curcas transcriptome for oil enhancement and genic markers. Physiology and Molecular Biology of Plants, 2014, 20, 139-142.	3.1	19
14	Phylogenetic footprinting: a boost for microbial regulatory genomics. Protoplasma, 2012, 249, 901-907.	2.1	18
15	Cloning and characterization of GPAT gene from Lepidium latifolium L.: a step towards translational research in agri-genomics for food and fuel. Molecular Biology Reports, 2013, 40, 4235-4240.	2.3	16
16	Overexpression of Ran gene from Lepidium latifolium L. (LlaRan) renders transgenic tobacco plants hypersensitive to cold stress. Molecular Biology Reports, 2014, 41, 5989-5996.	2.3	16
17	Biofuel Potential of Plants Transformed Genetically with NAC Family Genes. Frontiers in Plant Science, 2016, 7, 22.	3.6	16
18	DRE-binding transcription factor gene (LlaDREB1b) is regulated by various abiotic stresses in Lepidium latifolium L.. Molecular Biology Reports, 2013, 40, 2573-2580.	2.3	15

#	Article	IF	Citations
19	Overexpression of NAC gene from Lepidium latifolium L. enhances biomass, shortens life cycle and induces cold stress tolerance in tobacco: potential for engineering fourth generation biofuel crops. Molecular Biology Reports, 2014, 41, 7479-7489.	2.3	14
20	Isolation and characterization of Ras-related GTP-binding protein (Ran) from Lepidium latifolium L. reveals its potential role in regulating abiotic stress tolerance. Acta Physiologiae Plantarum, 2014, 36, 2353-2360.	2.1	14
21	Identification of Abiotic Stress Responsive Genes from Indian High Altitude Lepidium latifolium L.. Defence Science Journal, 2012, 62, 315-318.	0.8	14
22	Genome-wide analysis of conservation and divergence of microsatellites in rice. Molecular Genetics and Genomics, 2009, 282, 205-215.	2.1	12
23	Development of microsatellite markers in potato and their transferability in some members of Solanaceae. Physiology and Molecular Biology of Plants, 2009, 15, 343-358.	3.1	12
24	Isolation and functional characterization of DNA damage repair protein (DRT) from Lepidium latifolium L.. Comptes Rendus - Biologies, 2014, 337, 302-310.	0.2	12
25	Salinity Stress Tolerance Of Camelina Investigated In Vitro. Scientia Agriculturae Bohemica, 2015, 46, 137-144.	0.3	12
26	In silico prediction of drug targets in Vibrio cholerae. Protoplasma, 2011, 248, 799-804.	2.1	11
27	Development of EST-SSR markers through data mining and their use for genetic diversity study in Indian accessions of Jatropha curcas L.: a potential energy crop. Genes and Genomics, 2013, 35, 661-670.	1.4	11
28	Microsatellite motifs with moderate GC content are clustered around genes on Arabidopsis thaliana chromosome 2. In Silico Biology, 2007, 7, 201-13.	0.9	11
29	Salt and osmotic stress response ofÂtobacco plants overexpressing Lepidium latifolium L. RanÂGTPase gene. Indian Journal of Plant Physiology, 2018, 23, 494-498.	0.8	10
30	In Silico Prediction of Drug Targets in Phytopathogenic Pseudomonas syringae pv. phaseolicola: Charting a Course for Agrigenomics Translation Research. OMICS A Journal of Integrative Biology, 2012, 16, 700-706.	2.0	8
31	Improvement in Seed Germination Through Pre-treatments in Timur (Zanthoxylum armatum DC.): A Plant with High Medicinal, Economical and Ecological Importance. The National Academy of Sciences, India, 2020, 43, 295-297.	1.3	7
32	Containment evaluation, cold tolerance and toxicity analysis in Osmotin transgenic tomato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	6
33	Semi-quantitative analysis of transcript accumulation in response to drought stress byLepidium latifoliumseedlings. Plant Signaling and Behavior, 2013, 8, e25388.	2.4	4
34	Omics Approaches in Biofuel Technologies. , 2018, , 337-351.		4
35	Tandem repetitions in transcriptomes of some Solanaceae species. American Journal of Molecular Biology, 2012, 02, 140-152.	0.3	4
36	Random genomic scans at microsatellite loci for genetic diversity estimation in cold-adaptedLepidium latifolium. Plant Genetic Resources: Characterisation and Utilisation, 2012, 10, 224-231.	0.8	3

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37	Nucleotide Composition and Amino Acid Usage in AT-Rich Hyperthermophilic Species. Open Bioinformatics Journal, 2008, 2, 11-19.	1.0	3
38	PCR-based Methods for Identification and Detection of Phytophthora infestans in Infected Leaves of Tomato. Defence Life Science Journal, 2017, 3, 41.	0.3	3
39	Simple, Efficient and High-Throughput Method for Transgenic Confirmation. The National Academy of Sciences, India, 2014, 37, 87-90.	1.3	2
40	Repetitive Sequences in the Potato and Related Genomes. Compendium of Plant Genomes, 2017, , 143-160.	0.5	2
41	Altered physiological responses of LlaNAC gene of Lepidium latifolium over-expressing tobacco plants. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	2
42	Biochemical and physiological analysis of zinc tolerance in Jatropha curca. Journal of Experimental Biology and Agricultural Sciences, 2016, 4, 07-15.	0.4	2
43	Purifying Selection Bias against Microsatellites in Gene Rich Segmental Duplications in the Rice Genome. International Journal of Evolutionary Biology, 2012, 2012, 1-8.	1.0	1
44	Bioenergy Crops Enter the Omics Era. , 2013, , 549-562.		1
45	Silenced Phytoene desaturase Gene as a Scorable Marker for Plant Genetic Transformation. Biotechnology, 2014, 13, 80-84.	0.1	1
46	Biofuels for Defence Use: Past, Present And Future. Defence Life Science Journal, 2018, 4, 3-11.	0.3	1
47	Cross hybridization to Arabidopsis thaliana array reveals cold stress responsive genes in Lepidium latifolium. , 2016, , .		0
48	Jatropha: From Seed to Plant, Seed, Oil, and Beyond. , 2019, , 323-346.		0
49	Micro-array Analysis of ColdÂTolerant TomatoÂExpressing Nicotiana tabacum Osmotin. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2021, 91, 407-414.	1.0	0