Ali Movahedi

List of Publications by Year
in descending order

46 papers	1,228 citations	516215 16 h-index	414034 32 g-index
56 all docs	56 docs citations	56 times ranked	1190 citing authors

#	Article	IF	Citations
1	Toward safer highways, application of XGBoost and SHAP for real-time accident detection and feature analysis. Accident Analysis and Prevention, 2020, 136, 105405.	3.0	419
2	ICE-CBF-COR Signaling Cascade and Its Regulation in Plants Responding to Cold Stress. International Journal of Molecular Sciences, 2022, 23, 1549.	1.8	101
3	Expression of the chickpea CarNAC3 gene enhances salinity and drought tolerance in transgenic poplars. Plant Cell, Tissue and Organ Culture, 2015, 120, 141-154.	1.2	64
4	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. International Journal of Molecular Sciences, 2019, 20, 3719.	1.8	61
5	RNA-directed DNA methylation in plants. Plant Cell Reports, 2015, 34, 1857-1862.	2.8	31
6	Enhancement of protein production by microalgae Dunaliella salina under mixotrophic conditions using response surface methodology. RSC Advances, 2015, 5, 38141-38151.	1.7	31
7	Functional Analysis of Two Orthologous NAC Genes, CarNAC3, and CarNAC6 from Cicer arietinum, Involved in Abiotic Stresses in Poplar. Plant Molecular Biology Reporter, 2015, 33, 1539-1551.	1.0	31
8	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat (Triticum aestivum L.). BMC Genomics, 2020, 21, 778.	1.2	31
9	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of Populus trichocarpa. Plant Physiology and Biochemistry, 2019, 142, 94-105.	2.8	30
10	Luminescent film: Biofouling investigation of tetraphenylethylene blended polyethersulfone ultrafiltration membrane. Chemosphere, 2021, 267, 128871.	4.2	26
11	An Efficient Agrobacterium-Mediated Transformation System for Poplar. International Journal of Molecular Sciences, 2014, 15, 10780-10793.	1.8	25
12	Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in Populus trichocarpa: Overexpression of PtHMGR Enhances Terpenoids in Transgenic Poplar. Frontiers in Plant Science, 2019, 10, 1476.	1.7	25
13	Thaumatin-like protein(Pe-TLP)acts as a positive factor in transgenic poplars enhanced resistance to spots disease. Physiological and Molecular Plant Pathology, 2020, 112, 101512.	1.3	21
14	Comprehensive Analysis of Carotenoid Cleavage Dioxygenases Gene Family and Its Expression in Response to Abiotic Stress in Poplar. International Journal of Molecular Sciences, 2022, 23, 1418.	1.8	21
15	Overexpression of PtDXS Enhances Stress Resistance in Poplars. International Journal of Molecular Sciences, 2019, 20, 1669.	1.8	20
16	An agent-based simulation model to evaluate the response to seismic retrofit promotion policies. International Journal of Disaster Risk Reduction, 2019, 33, 181-195.	1.8	20
17	Plant Secondary Metabolites with an Overview of Populus. International Journal of Molecular Sciences, 2021, 22, 6890.	1.8	19
18	Molecular structure, chemical synthesis, and antibacterial activity of ABP-dHC-cecropin A from drury (Hyphantria cunea). Peptides, 2015, 68, 197-204.	1.2	18

#	Article	IF	Citations
19	Multiple overlap extension PCR (MOE-PCR): an effective technical shortcut to high throughput synthetic biology. RSC Advances, 2016, 6, 66682-66694.	1.7	18
20	Functional analyses of NDPK2 in Populus trichocarpa and overexpression of PtNDPK2 enhances growth and tolerance to abiotic stresses in transgenic poplar. Plant Physiology and Biochemistry, 2017, 117, 61-74.	2.8	17
21	Increase in Cell Wall Thickening and Biomass Production by Overexpression of PmCesA2 in Poplar. Frontiers in Plant Science, 2020, 11, 110.	1.7	16
22	Functional analysis of overexpressed PtDRS1 involved in abiotic stresses enhances growth in transgenic poplar. Plant Physiology and Biochemistry, 2018, 126, 22-31.	2.8	14
23	Heterologous overexpression of the Arabidopsis SnRK2.8 gene enhances drought and salt tolerance in Populusâ€‰Ã—â€‰euramericana cv â€˜Nanlin895â€™. Plant Biotechnology Reports, 2019, 13, 245-261.	0.9	14
24	Overexpression of PtHMGR enhances drought and salt tolerance of poplar. Annals of Botany, 2020, 125, 785-803.	1.4	14
25	Functional analyses of PtRDM1 gene overexpression in poplars and evaluation of its effect on DNA methylation and response to salt stress. Plant Physiology and Biochemistry, 2018, 127, 64-73.	2.8	13
26	In vitro production and antifungal activity of peptide ABP-dHC-cecropin A. Journal of Biotechnology, 2015, 199, 47-54.	1.9	12
27	Characterization, Expression Profiling, and Functional Analysis of PtDef, a Defensin-Encoding Gene From Populus trichocarpa. Frontiers in Microbiology, 2020, 11, 106.	1.5	12
28	High-level SUMO-mediated fusion expression of ABP-dHC-cecropin A from multiple joined genes in Escherichia coli. Analytical Biochemistry, 2016, 509, 15-23.	1.1	11
29	Overexpression of PtDefensin enhances resistance to Septotis populiperda in transgenic poplar. Plant Science, 2020, 292, 110379.	1.7	10
30	The complete chloroplast genome and characteristics analysis of Callistemon rigidus R.Br.. Molecular Biology Reports, 2020, 47, 5013-5024.	1.0	10
31	Characterization, expression profiling, and functional analysis of a Populus trichocarpa defensin gene and its potential as an anti-Agrobacterium rooting medium additive. Scientific Reports, 2019, 9, 15359.	1.6	9
32	Plant small RNAs: definition, classification and response against stresses. Biologia (Poland), 2018, 73, 285-294.	0.8	8
33	Identification and Characterization of an OSH1 Thiol Reductase from Populus trichocarpa. Cells, 2020, 9, 76.	1.8	8
34	Functional Analyses of PtROS1-RNAi in Poplars and Evaluation of Its Effect on DNA Methylation. Journal of Plant Biology, 2018, 61, 227-240.	0.9	6
35	A novel inclusion complex (Î²-CD/ABP-dHC-cecropin A) with antibiotic propertiess for use as an anti-Agrobacterium additive in transgenic poplar rooting medium. Enzyme and Microbial Technology, 2015, 81, 72-79.	1.6	5
36	Poplar glycosylphosphatidylinositol-anchored lipid transfer proteins respond to osmotic stress by regulating fatty acid biosynthesis. Industrial Crops and Products, 2022, 179, 114683.	2.5	5

#	Article	IF	Citations
37	Overexpression of PtAnnexin1 from Populus trichocarpa enhances salt and drought tolerance in transgenic poplars. Tree Genetics and Genomes, 2020, 16, 1.	0.6	4
38	The complete chloroplast genome and characteristics analysis of Musa basjoo Siebold. Molecular Biology Reports, 2021, 48, 7113-7125.	1.0	3
39	Genome-Wide Characterization and Abiotic Stresses Expression Analysis of Annexin Family Genes in Poplar. International Journal of Molecular Sciences, 2022, 23, 515.	1.8	3
40	Characteristics, expression profile, and function of non-specific lipid transfer proteins of Populus trichocarpa. International Journal of Biological Macromolecules, 2022, 202, 468-481.	3.6	3
41	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants. Methods in Molecular Biology, 2022, 2408, 317-324.	0.4	2
42	Application of omics technologies in single-type guard cell studies for understanding the mechanistic basis of plant adaptation to saline conditions. Advances in Botanical Research, 2022, , 249-270.	0.5	2
43	Characterization, Expression Profiling, and Functional Analyses of a 4CL-Like Gene of Populus trichocarpa. Processes, 2019, 7, 45.	1.3	1
44	Highlights of CRISPR-Cas9 Genome Editing. Methods of Microbiology and Molecular Biology, 2018, 1, .	0.0	1
45	Impact of Glycosylation on Therapeutic Glycoproteins. British Journal of Applied Science & Technology, 2016, 18, 1-16.	0.2	0
46	Simple Bayesian Gene Network Learning in Populus Drought Transcriptome Data. Bangladesh Journal of Botany, 2021, 50, 1077-1086.	0.2	0