Ali Movahedi

List of Publications by Year in Descending Order

42 papers	529 citations	11 h-index	21 g-index
56 ext. papers	911 ext. citations	4.2 avg, IF	4.28 L-index

#	Paper	IF	Citations
42	ICE-CBF-COR Signaling Cascade and Its Regulation in Plants Responding to Cold Stress.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	11
41	Characteristics, expression profile, and function of non-specific lipid transfer proteins of Populus trichocarpa.. *International Journal of Biological Macromolecules*, **2022**, 202, 468-468	7.9	
40	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants.. *Methods in Molecular Biology*, **2022**, 2408, 317-324	1.4	0
39	Poplar glycosylphosphatidylinositol-anchored lipid transfer proteins respond to osmotic stress by regulating fatty acid biosynthesis. *Industrial Crops and Products*, **2022**, 179, 114683	5.9	0
38	Plant Secondary Metabolites with an Overview of. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
37	Luminescent film: Biofouling investigation of tetraphenylethylene blended polyethersulfone ultrafiltration membrane. *Chemosphere*, **2021**, 267, 128871	8.4	14
36	The complete chloroplast genome and characteristics analysis of Musa basjoo Siebold. *Molecular Biology Reports*, **2021**, 48, 7113-7125	2.8	0
35	The complete chloroplast genome and characteristics analysis of Callistemon rigidus R.Br. *Molecular Biology Reports*, **2020**, 47, 5013-5024	2.8	7
34	Characterization, Expression Profiling, and Functional Analysis of , a Defensin-Encoding Gene From. *Frontiers in Microbiology*, **2020**, 11, 106	5.7	5
33	Increase in Cell Wall Thickening and Biomass Production by Overexpression of in Poplar. *Frontiers in Plant Science*, **2020**, 11, 110	6.2	4
32	Overexpression of PtAnnexin1 from Populus trichocarpa enhances salt and drought tolerance in transgenic poplars. *Tree Genetics and Genomes*, **2020**, 16, 1	2.1	0
31	Toward safer highways, application of XGBoost and SHAP for real-time accident detection and feature analysis. *Accident Analysis and Prevention*, **2020**, 136, 105405	6.1	148
30	Overexpression of PtDefensin enhances resistance to Septotis populiperda in transgenic poplar. *Plant Science*, **2020**, 292, 110379	5.3	6
29	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	2.6	8
28	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat (Triticum aestivum L.). *BMC Genomics*, **2020**, 21, 778	4.5	11
27	Overexpression of PtHMGR enhances drought and salt tolerance of poplar. *Annals of Botany*, **2020**, 125, 785-803	4.1	6
26	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of Populus trichocarpa. *Plant Physiology and Biochemistry*, **2019**, 142, 94-105	5.4	13

25	Characterization, Expression Profiling, and Functional Analyses of a 4CL-Like Gene of Populus trichocarpa. *Processes*, **2019**, 7, 45	2.9	1
24	Overexpression of Enhances Stress Resistance in Poplars. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	10
23	Heterologous overexpression of the Arabidopsis SnRK2.8 gene enhances drought and salt tolerance in Populus euramericana cv Nanlin895 *Plant Biotechnology Reports*, **2019**, 13, 245-261	2.5	5
22	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	33
21	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	4.9	5
20	Identification and Characterization of an OSH1 Thiol Reductase from. *Cells*, **2019**, 9,	7.9	6
19	Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in : Overexpression of Enhances Terpenoids in Transgenic Poplar. *Frontiers in Plant Science*, **2019**, 10, 1476	6.2	6
18	An agent-based simulation model to evaluate the response to seismic retrofit promotion policies. *International Journal of Disaster Risk Reduction*, **2019**, 33, 181-195	4.5	8
17	Plant small RNAs: definition, classification and response against stresses. *Biologia (Poland)*, **2018**, 73, 285-294	1.5	5
16	Functional analysis of overexpressed PtDRS1 involved in abiotic stresses enhances growth in transgenic poplar. *Plant Physiology and Biochemistry*, **2018**, 126, 22-31	5.4	8
15	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	5.4	8
14	Functional Analyses of PtROS1-RNAi in Poplars and Evaluation of Its Effect on DNA Methylation **2018**, 61, 227-240		5
13	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	5.4	11
12	Multiple overlap extension PCR (MOE-PCR): an effective technical shortcut to high throughput synthetic biology. *RSC Advances*, **2016**, 6, 66682-66694	3.7	13
11	High-level SUMO-mediated fusion expression of ABP-dHC-cecropin A from multiple joined genes in Escherichia coli. *Analytical Biochemistry*, **2016**, 509, 15-23	3.1	9
10	RNA-directed DNA methylation in plants. *Plant Cell Reports*, **2015**, 34, 1857-62	5.1	24
9	Enhancement of protein production by microalgae Dunaliella salina under mixotrophic conditions using response surface methodology. *RSC Advances*, **2015**, 5, 38141-38151	3.7	23
8	A novel inclusion complex (ECD/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, 72-9	3.8	5

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	1.7	21
6	Expression of the chickpea CarNAC3 gene enhances salinity and drought tolerance in transgenic poplars. *Plant Cell, Tissue and Organ Culture*, **2015**, 120, 141-154	2.7	39
5	Molecular structure, chemical synthesis, and antibacterial activity of ABP-dHC-cecropin A from drury (Hyphantria cunea). *Peptides*, **2015**, 68, 197-204	3.8	16
4	In vitro production and antifungal activity of peptide ABP-dHC-cecropin A. *Journal of Biotechnology*, **2015**, 199, 47-54	3.7	9
3	An efficient Agrobacterium-mediated transformation system for poplar. *International Journal of Molecular Sciences*, **2014**, 15, 10780-93	6.3	16
2	Precise exogenous insertion and sequence replacements in poplar by simultaneous HDR overexpression and NHEJ suppression using CRISPR-Cas9		2
1	Cross-talk between the methylerythritol phosphate and mevalonic acid pathways of isoprenoid biosynthesis in poplar		2