

Ali Movahedi

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.

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	Toward safer highways, application of XGBoost and SHAP for real-time accident detection and feature analysis. <i>Accident Analysis and Prevention</i> , 2020 , 136, 105405	6.1	148
41	Expression of the chickpea CarNAC3 gene enhances salinity and drought tolerance in transgenic poplars. <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 120, 141-154	2.7	39
40	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	33
39	RNA-directed DNA methylation in plants. <i>Plant Cell Reports</i> , 2015 , 34, 1857-62	5.1	24
38	Enhancement of protein production by microalgae <i>Dunaliella salina</i> under mixotrophic conditions using response surface methodology. <i>RSC Advances</i> , 2015 , 5, 38141-38151	3.7	23
37	Functional Analysis of Two Orthologous NAC Genes, CarNAC3, and CarNAC6 from <i>Cicer arietinum</i> , Involved in Abiotic Stresses in Poplar. <i>Plant Molecular Biology Reporter</i> , 2015 , 33, 1539-1551	1.7	21
36	Molecular structure, chemical synthesis, and antibacterial activity of ABP-dHC-cecropin A from drury (<i>Hyphantria cunea</i>). <i>Peptides</i> , 2015 , 68, 197-204	3.8	16
35	An efficient <i>Agrobacterium</i> -mediated transformation system for poplar. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 10780-93	6.3	16
34	Luminescent film: Biofouling investigation of tetraphenylethylene blended polyethersulfone ultrafiltration membrane. <i>Chemosphere</i> , 2021 , 267, 128871	8.4	14
33	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of <i>Populus trichocarpa</i> . <i>Plant Physiology and Biochemistry</i> , 2019 , 142, 94-105	5.4	13
32	Multiple overlap extension PCR (MOE-PCR): an effective technical shortcut to high throughput synthetic biology. <i>RSC Advances</i> , 2016 , 6, 66682-66694	3.7	13
31	Functional analyses of NDPK2 in <i>Populus trichocarpa</i> and overexpression of PtNDPK2 enhances growth and tolerance to abiotic stresses in transgenic poplar. <i>Plant Physiology and Biochemistry</i> , 2017 , 117, 61-74	5.4	11
30	ICE-CBF-COR Signaling Cascade and Its Regulation in Plants Responding to Cold Stress.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	11
29	Identification, evolution, expression, and docking studies of fatty acid desaturase genes in wheat (<i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2020 , 21, 778	4.5	11
28	Overexpression of Enhances Stress Resistance in Poplars. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
27	In vitro production and antifungal activity of peptide ABP-dHC-cecropin A. <i>Journal of Biotechnology</i> , 2015 , 199, 47-54	3.7	9
26	High-level SUMO-mediated fusion expression of ABP-dHC-cecropin A from multiple joined genes in <i>Escherichia coli</i> . <i>Analytical Biochemistry</i> , 2016 , 509, 15-23	3.1	9

25	Functional analysis of overexpressed PtDRS1 involved in abiotic stresses enhances growth in transgenic poplar. <i>Plant Physiology and Biochemistry</i> , 2018 , 126, 22-31	5.4	8
24	Functional analyses of PtRDM1 gene overexpression in poplars and evaluation of its effect on DNA methylation and response to salt stress. <i>Plant Physiology and Biochemistry</i> , 2018 , 127, 64-73	5.4	8
23	Thaumatin-like protein(Pe-TLP)acts as a positive factor in transgenic poplars enhanced resistance to spots disease. <i>Physiological and Molecular Plant Pathology</i> , 2020 , 112, 101512	2.6	8
22	An agent-based simulation model to evaluate the response to seismic retrofit promotion policies. <i>International Journal of Disaster Risk Reduction</i> , 2019 , 33, 181-195	4.5	8
21	The complete chloroplast genome and characteristics analysis of Callistemon rigidus R.Br. <i>Molecular Biology Reports</i> , 2020 , 47, 5013-5024	2.8	7
20	Identification and Characterization of an OSH1 Thiol Reductase from. <i>Cells</i> , 2019 , 9,	7.9	6
19	Overexpression of PtDefensin enhances resistance to Septotis populiperda in transgenic poplar. <i>Plant Science</i> , 2020 , 292, 110379	5.3	6
18	Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in : Overexpression of Enhances Terpenoids in Transgenic Poplar. <i>Frontiers in Plant Science</i> , 2019 , 10, 1476	6.2	6
17	Overexpression of PtHMGR enhances drought and salt tolerance of poplar. <i>Annals of Botany</i> , 2020 , 125, 785-803	4.1	6
16	Heterologous overexpression of the Arabidopsis SnRK2.8 gene enhances drought and salt tolerance in Populus <i>auramericana</i> cv <i>Nanlin895</i> <i>Plant Biotechnology Reports</i> , 2019 , 13, 245-261	2.5	5
15	A novel inclusion complex (βCD/ABP-dHC-cecropin A) with antibiotic properties for use as an anti-Agrobacterium additive in transgenic poplar rooting medium. <i>Enzyme and Microbial Technology</i> , 2015 , 81, 72-9	3.8	5
14	Characterization, Expression Profiling, and Functional Analysis of , a Defensin-Encoding Gene From. <i>Frontiers in Microbiology</i> , 2020 , 11, 106	5.7	5
13	Plant small RNAs: definition, classification and response against stresses. <i>Biologia (Poland)</i> , 2018 , 73, 285-294	1.5	5
12	Functional Analyses of PtROS1-RNAi in Poplars and Evaluation of Its Effect on DNA Methylation 2018 , 61, 227-240		5
11	Characterization, expression profiling, and functional analysis of a Populus trichocarpa defensin gene and its potential as an anti-Agrobacterium rooting medium additive. <i>Scientific Reports</i> , 2019 , 9, 15359	4.9	5
10	Increase in Cell Wall Thickening and Biomass Production by Overexpression of in Poplar. <i>Frontiers in Plant Science</i> , 2020 , 11, 110	6.2	4
9	Plant Secondary Metabolites with an Overview of. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
8	Precise exogenous insertion and sequence replacements in poplar by simultaneous HDR overexpression and NHEJ suppression using CRISPR-Cas9		2

7	Cross-talk between the methylerythritol phosphate and mevalonic acid pathways of isoprenoid biosynthesis in poplar		2
6	Characterization, Expression Profiling, and Functional Analyses of a 4CL-Like Gene of <i>Populus trichocarpa</i> . <i>Processes</i> , 2019 , 7, 45	2.9	1
5	Overexpression of PtAnnexin1 from <i>Populus trichocarpa</i> enhances salt and drought tolerance in transgenic poplars. <i>Tree Genetics and Genomes</i> , 2020 , 16, 1	2.1	0
4	The complete chloroplast genome and characteristics analysis of <i>Musa basjoo</i> Siebold. <i>Molecular Biology Reports</i> , 2021 , 48, 7113-7125	2.8	0
3	A Method to Reduce off-Targets in CRISPR/Cas9 System in Plants.. <i>Methods in Molecular Biology</i> , 2022 , 2408, 317-324	1.4	0
2	Poplar glycosylphosphatidylinositol-anchored lipid transfer proteins respond to osmotic stress by regulating fatty acid biosynthesis. <i>Industrial Crops and Products</i> , 2022 , 179, 114683	5.9	0
1	Characteristics, expression profile, and function of non-specific lipid transfer proteins of <i>Populus trichocarpa</i> .. <i>International Journal of Biological Macromolecules</i> , 2022 , 202, 468-468	7.9	