

# Mahmoud Wf Yaish

## List of Publications by Year in descending order

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56  
papers

3,564  
citations

159585

30  
h-index

168389

53  
g-index

56  
all docs

56  
docs citations

56  
times ranked

4578  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Na <sup>+</sup> and K <sup>+</sup> Transporters in Salt Stress Adaptation in Glycophytes. <i>Frontiers in Physiology</i> , 2017, 8, 509.	2.8	576
2	Antifreeze proteins in overwintering plants: a tale of two activities. <i>Trends in Plant Science</i> , 2004, 9, 399-405.	8.8	454
3	The role of epigenetic processes in controlling flowering time in plants exposed to stress. <i>Journal of Experimental Botany</i> , 2011, 62, 3727-3735.	4.8	172
4	The APETALA-2-Like Transcription Factor OsAP2-39 Controls Key Interactions between Abscisic Acid and Gibberellin in Rice. <i>PLoS Genetics</i> , 2010, 6, e1001098.	3.5	161
5	Isolation and characterization of endophytic plant growth-promoting bacteria from date palm tree ( <i>Phoenix dactylifera</i> L.) and their potential role in salinity tolerance. <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 1519-1532.	1.7	161
6	Functional Divergence in the Arabidopsis $\beta$ -1,3-Glucanase Gene Family Inferred by Phylogenetic Reconstruction of Expression States. <i>Molecular Biology and Evolution</i> , 2007, 24, 1045-1055.	8.9	148
7	GNC and CGA1 Modulate Chlorophyll Biosynthesis and Glutamate Synthase (GLU1/Fd-GOGAT) Expression in Arabidopsis. <i>PLoS ONE</i> , 2011, 6, e26765.	2.5	121
8	Salt tolerance research in date palm tree ( <i>Phoenix dactylifera</i> L.), past, present, and future perspectives. <i>Frontiers in Plant Science</i> , 2015, 6, 348.	3.6	103
9	Impact of Soil Salinity on the Structure of the Bacterial Endophytic Community Identified from the Roots of Caliph Medic ( <i>Medicago truncatula</i> ). <i>PLoS ONE</i> , 2016, 11, e0159007.	2.5	102
10	Cloning and Expression of <i>afpA</i> , a Gene Encoding an Antifreeze Protein from the Arctic Plant Growth-Promoting Rhizobacterium <i>Pseudomonas putida</i> GR12-2. <i>Journal of Bacteriology</i> , 2004, 186, 5661-5671.	2.2	82
11	Genome-wide expression profiling in leaves and roots of date palm ( <i>Phoenix dactylifera</i> L.) exposed to salinity. <i>BMC Genomics</i> , 2017, 18, 246.	2.8	80
12	Short Communication Proline accumulation is a general response to abiotic stress in the date palm tree ( <i>Phoenix dactylifera</i> L.). <i>Genetics and Molecular Research</i> , 2015, 14, 9943-9950.	0.2	76
13	Genome-wide DNA Methylation analysis in response to salinity in the model plant caliph medic ( <i>Medicago truncatula</i> ). <i>BMC Genomics</i> , 2018, 19, 78.	2.8	75
14	Ordered surface carbons distinguish antifreeze proteins and their ice-binding regions. <i>Nature Biotechnology</i> , 2006, 24, 852-855.	17.5	68
15	Comparative transcriptome and translome analysis in contrasting rice genotypes reveals differential mRNA translation in salt-tolerant Pokkali under salt stress. <i>BMC Genomics</i> , 2018, 19, 935.	2.8	66
16	Antioxidant Response to Salinity in Salt-Tolerant and Salt-Susceptible Cultivars of Date Palm. <i>Agriculture (Switzerland)</i> , 2019, 9, 8.	3.1	64
17	Cold-Active Winter Rye Glucanases with Ice-Binding Capacity. <i>Plant Physiology</i> , 2006, 141, 1459-1472.	4.8	62
18	Interactions of intrinsically disordered <i>Thellungiella salsguinea</i> dehydrins TsDHN-1 and TsDHN-2 with membranes synergistic effects of lipid composition and temperature on secondary structure. <i>Biochemistry and Cell Biology</i> , 2010, 88, 791-807.	2.0	58

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19	AtMBD9 modulates Arabidopsis development through the dual epigenetic pathways of DNA methylation and histone acetylation. <i>Plant Journal</i> , 2009, 59, 123-135.	5.7	55
20	A genome-wide identification of the miRNAome in response to salinity stress in date palm (Phoenix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.6	34
21	Overexpression of a Metallothionein 2A Gene from Date Palm Confers Abiotic Stress Tolerance to Yeast and Arabidopsis thaliana. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2871.	4.1	51
22	Isolation of a family of resistance gene analogue sequences of the nucleotide binding site (NBS) type from Lens species. <i>Genome</i> , 2004, 47, 650-659.	2.0	46
23	Salt stress alters DNA methylation levels in alfalfa ( <i>Medicago</i> spp). <i>Genetics and Molecular Research</i> , 2016, 15, 15018299.	0.2	45
24	Differential DNA methylation and transcription profiles in date palm roots exposed to salinity. <i>PLoS ONE</i> , 2018, 13, e0191492.	2.5	45
25	Overexpression of the CC-type glutaredoxin, OsGRX6 affects hormone and nitrogen status in rice plants. <i>Frontiers in Plant Science</i> , 2015, 6, 934.	3.6	44
26	Screening of Date Palm ( <i>Phoenix dactylifera</i> L.) Cultivars for Salinity Tolerance. <i>Forests</i> , 2017, 8, 136.	2.1	42
27	Neuropilin-1 promotes the oncogenic Tenascin-C/integrin $\beta 3$ pathway and modulates chemoresistance in breast cancer cells. <i>BMC Cancer</i> , 2018, 18, 533.	2.6	42
28	The use of high throughput DNA sequence analysis to assess the endophytic microbiome of date palm roots grown under different levels of salt stress. <i>International Microbiology</i> , 2016, 19, 143-155.	2.4	41
29	Global DNA Methylation Analysis Using Methyl-Sensitive Amplification Polymorphism (MSAP). <i>Methods in Molecular Biology</i> , 2014, 1062, 285-298.	0.9	37
30	Editorial: Epigenetic Modifications Associated with Abiotic and Biotic Stresses in Plants: An Implication for Understanding Plant Evolution. <i>Frontiers in Plant Science</i> , 2017, 8, 1983.	3.6	33
31	A novel tonoplast Na <sup>+</sup> /H <sup>+</sup> antiporter gene from date palm (PdNHX6) confers enhanced salt tolerance response in Arabidopsis. <i>Plant Cell Reports</i> , 2020, 39, 1079-1093.	5.6	33
32	Functional Characterization of the Rice UDP-glucose 4-epimerase 1, OsUGE1: A Potential Role in Cell Wall Carbohydrate Partitioning during Limiting Nitrogen Conditions. <i>PLoS ONE</i> , 2014, 9, e96158.	2.5	33
33	Metabolomic analysis of date palm seedlings exposed to salinity and silicon treatments. <i>Plant Signaling and Behavior</i> , 2019, 14, 1663112.	2.4	31
34	Functional Characterization of Date Palm Aquaporin Gene PdPIP1;2 Confers Drought and Salinity Tolerance to Yeast and Arabidopsis. <i>Genes</i> , 2019, 10, 390.	2.4	29
35	Isolation of (GA) <sub>n</sub> microsatellite sequences and description of a predicted MADS-box sequence isolated from common bean ( <i>Phaseolus vulgaris</i> L.). <i>Genetics and Molecular Biology</i> , 2003, 26, 337-342.	1.3	27
36	Identification of Reference Genes for Quantitative Real-Time PCR in Date Palm ( <i>Phoenix dactylifera</i> L.) Subjected to Drought and Salinity. <i>PLoS ONE</i> , 2016, 11, e0166216.	2.5	24

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37	Draft Genome Sequence of Endophytic Bacterium <i>Enterobacter asburiae</i> PDA134, Isolated from Date Palm ( <i>Phoenix dactylifera</i> L.) Roots. <i>Genome Announcements</i> , 2016, 4, .	0.8	22
38	Zinc induces disorder-to-order transitions in free and membrane-associated Thellungiella salsuginea dehydrins TsDHN-1 and TsDHN-2: a solution CD and solid-state ATR-FTIR study. <i>Amino Acids</i> , 2011, 40, 1485-1502.	2.7	21
39	DNA Methylation-Associated Epigenetic Changes in Stress Tolerance of Plants. , 2013, , 427-440.		17
40	Draft Genome Sequence of the Endophytic Bacillus aryabhattai Strain SQU-R12, Identified from <i>Phoenix dactylifera</i> L. Roots. <i>Genome Announcements</i> , 2017, 5, .	0.8	16
41	Comparative Water Relations of Two Contrasting Date Palm Genotypes under Salinity. <i>International Journal of Agronomy</i> , 2019, 2019, 1-16.	1.2	16
42	Identification of Candidate Genes Involved in the Salt Tolerance of Date Palm ( <i>Phoenix</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	1.9	15
43	Genome Sequencing of <i>Microbacterium</i> sp. Yaish 1, a Bacterial Strain Isolated from the Rhizosphere of Date Palm Trees Affected by Salinity. <i>Genome Announcements</i> , 2017, 5, .	0.8	13
44	Diversity of Tetracycline Resistant Genes in Escherichia coli from Human and Environmental Sources. <i>Open Biotechnology Journal</i> , 2016, 10, 289-300.	1.2	11
45	Detection of Differential DNA Methylation Under Stress Conditions Using Bisulfite Sequence Analysis. <i>Methods in Molecular Biology</i> , 2017, 1631, 121-137.	0.9	10
46	Functional characterization of the Glyoxalase-I (PdGLX1) gene family in date palm under abiotic stresses. <i>Plant Signaling and Behavior</i> , 2020, 15, 1811527.	2.4	10
47	Isolation and functional characterization of a mVOC producing plant-growth-promoting bacterium isolated from the date palm rhizosphere. <i>Rhizosphere</i> , 2020, 16, 100267.	3.0	9
48	Comparative Metabolic Profiling of Two Contrasting Date Palm Genotypes Under Salinity. <i>Plant Molecular Biology Reporter</i> , 2020, 39, 351.	1.8	9
49	Genome-wide identification and functional characterization of glutathione peroxidase genes in date palm ( <i>Phoenix dactylifera</i> L.) under stress conditions. <i>Plant Gene</i> , 2020, 23, 100237.	2.3	9
50	Functional characterization and expression profiling of glyoxalase <i>scp&gt;III&lt;/scp&gt;</i> genes in date palm grown under abiotic stresses. <i>Physiologia Plantarum</i> , 2021, 172, 780-794.	5.2	9
51	Genome analysis of a salinity adapted <i>Achromobacter xylosoxidans</i> rhizobacteria from the date palm. <i>Rhizosphere</i> , 2021, 19, 100401.	3.0	9
52	Genetic mapping of quantitative resistance to race 5 of <i>Pseudomonas syringae</i> pv. <i>phaseolicola</i> in common bean. <i>Euphytica</i> , 2006, 152, 397-404.	1.2	8
53	Axillary Shoot Branching in Plants. , 2010, , 37-52.		7
54	Molecular Characterization of a Date Palm Vascular Highway 1-Interacting Kinase (PdVIK) under Abiotic Stresses. <i>Genes</i> , 2020, 11, 568.	2.4	6

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55	Freezing tolerance in Norway spruce, the potential role of pathogenesis-related proteins. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	3
56	Salt tolerance in plants: Using OMICS to assess the impact of plant growth-promoting bacteria (PGPB). , 2022, , 299-320.		3