Mahmoud Gargouri

List of Publications by Year
in descending order

30	1,112	623734 14	477307 29
papers	citations	h-index	g-index

31	31	31	1757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The response of Chlamydomonas reinhardtii to nitrogen deprivation: a systems biology analysis. Plant Journal, 2015, 81, 611-624.	5.7	207
2	Regulation of starch and lipid accumulation in a microalga Chlorella sorokiniana. Bioresource Technology, 2015, 180, 250-257.	9.6	110
3	Identification of regulatory network hubs that control lipid metabolism inChlamydomonas reinhardtii. Journal of Experimental Botany, 2015, 66, 4551-4566.	4.8	100
4	The Regulation of Photosynthetic Structure and Function during Nitrogen Deprivation in Chlamydomonas reinhardtii Â Â. Plant Physiology, 2015, 167, 558-573.	4.8	94
5	Water stress induced changes in the leaf lipid composition of four grapevine genotypes with different drought tolerance. Biologia Plantarum, 2008, 52, 161-164.	1.9	91
6	Vitamins for enhancing plant resistance. Planta, 2016, 244, 529-543.	3.2	62
7	Neutral red-mediated microbial electrosynthesis by Escherichia coli, Klebsiella pneumoniae, and Zymomonas mobilis. Bioresource Technology, 2015, 195, 57-65.	9.6	58
8	Structure and epimerase activity of anthocyanidin reductase fromVitis vinifera. Acta Crystallographica Section D: Biological Crystallography, 2009, 65, 989-1000.	2.5	51
9	Assessment of photosynthesis regulation in mixotrophically cultured microalga Chlorella sorokiniana. Algal Research, 2016, 19, 30-38.	4.6	44
10	Crystal Structure and Catalytic Mechanism of Leucoanthocyanidin Reductase from Vitis vinifera. Journal of Molecular Biology, 2010, 397, 1079-1091.	4.2	38
11	The epimerase activity of anthocyanidin reductase from Vitis vinifera and its regiospecific hydride transfers. Biological Chemistry, 2010, 391, 219-227.	2.5	37
12	Molecular based assessment of genetic diversity within Barbary fig (Opuntia ficus indica (L.) Mill.) in Tunisia. Scientia Horticulturae, 2007, 113, 134-141.	3.6	31
13	Functional photosystem I maintains proper energy balance during nitrogen depletion in Chlamydomonas reinhardtii, promoting triacylglycerol accumulation. Biotechnology for Biofuels, 2017, 10, 89.	6.2	19
14	Metabolite profiles of essential oils and molecular markers analysis to explore the biodiversity of Ferula communis: Towards conservation of the endemic giant fennel. Phytochemistry, 2016, 124, 58-67.	2.9	18
15	Recent advances in biotechnological studies on wild grapevines as valuable resistance sources for smart viticulture. Molecular Biology Reports, 2020, 47, 3141-3153.	2.3	15
16	Binding-equilibrium and kinetic studies of anthocyanidin reductase from Vitis vinifera. Archives of Biochemistry and Biophysics, 2009, 491, 61-68.	3.0	14
17	Integrated analysis of zone-specific protein and metabolite profiles within nitrogen-fixing Medicago truncatula-Sinorhizobium medicae nodules. PLoS ONE, 2017, 12, e0180894.	2.5	14
18	Reâ€programming of gene expression in the CS 8 rice line overâ€expressing ADP glucose pyrophosphorylase induces a suppressor of starch biosynthesis. Plant Journal, 2019, 97, 1073-1088.	5.7	14

#	Article	IF	Citations
19	Arbuscular mycorrhizal fungi associated with Phoenix dactylifera L. grown in Tunisian Sahara oases of different salinity levels. Symbiosis, 2020, 81, 173-186.	2.3	12
20	Increasing aridity shapes beta diversity and the network dynamics of the belowground fungal microbiome associated with Opuntia ficus-indica. Science of the Total Environment, 2021, 773, 145008.	8.0	12
21	Genome-wide analysis and expression profiling of H-type Trx family in Phaseolus vulgaris revealed distinctive isoforms associated with symbiotic N2-fixing performance and abiotic stress response. Journal of Plant Physiology, 2021, 260, 153410.	3.5	11
22	Iridoid and phenylethanoid/phenylpropanoid metabolite profiles of Scrophularia and Verbascum species used medicinally in North America. Metabolomics, 2017, 13, 1.	3.0	10
23	A comparative study of phytochemical investigation and antioxidative activities of six citrus peel species. Flavour and Fragrance Journal, 2021, 36, 564-575.	2.6	10
24	Recovering and Characterizing Phenolic Compounds From Citrus By-Product: A Way Towards Agriculture of Subsistence and Sustainable Bioeconomy. Waste and Biomass Valorization, 2021, 12, 4721-4731.	3.4	9
25	Authentication of Citrus fruits through a comprehensive fatty acid profiling and health lipid indices: a nutraceutical perspectives. Journal of Food Measurement and Characterization, 2019, 13, 2211-2217.	3.2	8
26	Identification of the NaCl-responsive metabolites in Citrus roots: A lipidomic and volatomic signature. Plant Signaling and Behavior, 2020, 15, 1777376.	2.4	8
27	Combinatorial reprogramming of lipid metabolism in plants: a way towards massâ€production of bioâ€fortified arbuscular mycorrhizal fungi inoculants. Microbial Biotechnology, 2021, 14, 31-34.	4.2	7
28	A Grapevine-Inducible Gene Vv-Î±-gal/SIP Confers Salt and Desiccation Tolerance in Escherichia coli and Tobacco at Germinative Stage. Biochemical Genetics, 2018, 56, 78-92.	1.7	5
29	Associating chemical analysis to molecular markers for the valorization of Citrus aurantium leaves: a useful starting point for marker-assisted selection. Euphytica, 2017, 213, 1.	1.2	3
30	Structural and mechanistic properties of grape leucoanthocyanidin reductase. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s134-s134.	0.3	0