

Mahmoud Gargouri

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,112
citations

623734

14
h-index

477307

29
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31
all docs

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docs citations

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times ranked

1757
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Recovering and Characterizing Phenolic Compounds From Citrus By-Product: A Way Towards Agriculture of Subsistence and Sustainable Bioeconomy. <i>Waste and Biomass Valorization</i> , 2021, 12, 4721-4731. | 3.4 | 9 |
| 2 | Combinatorial reprogramming of lipid metabolism in plants: a way towards mass production of biofortified arbuscular mycorrhizal fungi inoculants. <i>Microbial Biotechnology</i> , 2021, 14, 31-34. | 4.2 | 7 |
| 3 | Genome-wide analysis and expression profiling of H-type Trx family in <i>Phaseolus vulgaris</i> revealed distinctive isoforms associated with symbiotic N ₂ -fixing performance and abiotic stress response. <i>Journal of Plant Physiology</i> , 2021, 260, 153410. | 3.5 | 11 |
| 4 | A comparative study of phytochemical investigation and antioxidative activities of six citrus peel species. <i>Flavour and Fragrance Journal</i> , 2021, 36, 564-575. | 2.6 | 10 |
| 5 | Increasing aridity shapes beta diversity and the network dynamics of the belowground fungal microbiome associated with <i>Opuntia ficus-indica</i> . <i>Science of the Total Environment</i> , 2021, 773, 145008. | 8.0 | 12 |
| 6 | Identification of the NaCl-responsive metabolites in <i>Citrus</i> roots: A lipidomic and volatome signature. <i>Plant Signaling and Behavior</i> , 2020, 15, 1777376. | 2.4 | 8 |
| 7 | Recent advances in biotechnological studies on wild grapevines as valuable resistance sources for smart viticulture. <i>Molecular Biology Reports</i> , 2020, 47, 3141-3153. | 2.3 | 15 |
| 8 | Arbuscular mycorrhizal fungi associated with <i>Phoenix dactylifera</i> L. grown in Tunisian Sahara oases of different salinity levels. <i>Symbiosis</i> , 2020, 81, 173-186. | 2.3 | 12 |
| 9 | Authentication of Citrus fruits through a comprehensive fatty acid profiling and health lipid indices: a nutraceutical perspectives. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 2211-2217. | 3.2 | 8 |
| 10 | Reprogramming of gene expression in the CS 8 rice line overexpressing ADP glucose pyrophosphorylase induces a suppressor of starch biosynthesis. <i>Plant Journal</i> , 2019, 97, 1073-1088. | 5.7 | 14 |
| 11 | A Grapevine-Inducible Gene <i>Vv-Î±-gal/SIP</i> Confers Salt and Desiccation Tolerance in <i>Escherichia coli</i> and Tobacco at Germinative Stage. <i>Biochemical Genetics</i> , 2018, 56, 78-92. | 1.7 | 5 |
| 12 | Associating chemical analysis to molecular markers for the valorization of <i>Citrus aurantium</i> leaves: a useful starting point for marker-assisted selection. <i>Euphytica</i> , 2017, 213, 1. | 1.2 | 3 |
| 13 | Functional photosystem I maintains proper energy balance during nitrogen depletion in <i>Chlamydomonas reinhardtii</i> , promoting triacylglycerol accumulation. <i>Biotechnology for Biofuels</i> , 2017, 10, 89. | 6.2 | 19 |
| 14 | Iridoid and phenylethanoid/phenylpropanoid metabolite profiles of <i>Scrophularia</i> and <i>Verbascum</i> species used medicinally in North America. <i>Metabolomics</i> , 2017, 13, 1. | 3.0 | 10 |
| 15 | Integrated analysis of zone-specific protein and metabolite profiles within nitrogen-fixing <i>Medicago truncatula</i> - <i>Sinorhizobium medicae</i> nodules. <i>PLoS ONE</i> , 2017, 12, e0180894. | 2.5 | 14 |
| 16 | Assessment of photosynthesis regulation in mixotrophically cultured microalga <i>Chlorella sorokiniana</i> . <i>Algal Research</i> , 2016, 19, 30-38. | 4.6 | 44 |
| 17 | Vitamins for enhancing plant resistance. <i>Planta</i> , 2016, 244, 529-543. | 3.2 | 62 |
| 18 | Metabolite profiles of essential oils and molecular markers analysis to explore the biodiversity of <i>Ferula communis</i> : Towards conservation of the endemic giant fennel. <i>Phytochemistry</i> , 2016, 124, 58-67. | 2.9 | 18 |

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|----|--|-----|-----------|
| 19 | Identification of regulatory network hubs that control lipid metabolism in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 4551-4566. | 4.8 | 100 |
| 20 | Regulation of starch and lipid accumulation in a microalga <i>Chlorella sorokiniana</i> . <i>Bioresource Technology</i> , 2015, 180, 250-257. | 9.6 | 110 |
| 21 | The Regulation of Photosynthetic Structure and Function during Nitrogen Deprivation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2015, 167, 558-573. | 4.8 | 94 |
| 22 | Neutral red-mediated microbial electrosynthesis by <i>Escherichia coli</i> , <i>Klebsiella pneumoniae</i> , and <i>Zymomonas mobilis</i> . <i>Bioresource Technology</i> , 2015, 195, 57-65. | 9.6 | 58 |
| 23 | The response of <i>Chlamydomonas reinhardtii</i> to nitrogen deprivation: a systems biology analysis. <i>Plant Journal</i> , 2015, 81, 611-624. | 5.7 | 207 |
| 24 | The epimerase activity of anthocyanidin reductase from <i>Vitis vinifera</i> and its regiospecific hydride transfers. <i>Biological Chemistry</i> , 2010, 391, 219-227. | 2.5 | 37 |
| 25 | Crystal Structure and Catalytic Mechanism of Leucoanthocyanidin Reductase from <i>Vitis vinifera</i> . <i>Journal of Molecular Biology</i> , 2010, 397, 1079-1091. | 4.2 | 38 |
| 26 | Structure and epimerase activity of anthocyanidin reductase from <i>Vitis vinifera</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 989-1000. | 2.5 | 51 |
| 27 | Binding-equilibrium and kinetic studies of anthocyanidin reductase from <i>Vitis vinifera</i> . <i>Archives of Biochemistry and Biophysics</i> , 2009, 491, 61-68. | 3.0 | 14 |
| 28 | Structural and mechanistic properties of grape leucoanthocyanidin reductase. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, s134-s134. | 0.3 | 0 |
| 29 | Water stress induced changes in the leaf lipid composition of four grapevine genotypes with different drought tolerance. <i>Biologia Plantarum</i> , 2008, 52, 161-164. | 1.9 | 91 |
| 30 | Molecular based assessment of genetic diversity within Barbary fig (<i>Opuntia ficus indica</i> (L.) Mill.) in Tunisia. <i>Scientia Horticulturae</i> , 2007, 113, 134-141. | 3.6 | 31 |