

Mohamad Al Al Hassan

List of Publications by Year in descending order

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42
papers

904
citations

516710

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477307

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46
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docs citations

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1035
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#	ARTICLE	IF	CITATIONS
1	Effects of salinity and drought on growth, ionic relations, compatible solutes and activation of antioxidant systems in oleander (<i>Nerium oleander</i> L.). <i>PLoS ONE</i> , 2017, 12, e0185017.	2.5	103
2	Effects of Salt and Water Stress on Plant Growth and on Accumulation of Osmolytes and Antioxidant Compounds in Cherry Tomato. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, 1-11.	1.1	95
3	Antioxidant responses under salinity and drought in three closely related wild monocots with different ecological optima. <i>AoB PLANTS</i> , 2017, 9, plx009.	2.3	78
4	Unraveling Salt Tolerance Mechanisms in Halophytes: A Comparative Study on Four Mediterranean <i>Limonium</i> Species with Different Geographic Distribution Patterns. <i>Frontiers in Plant Science</i> , 2017, 8, 1438.	3.6	65
5	Effects of Salt Stress on Three Ecologically Distinct <i>Plantago</i> Species. <i>PLoS ONE</i> , 2016, 11, e0160236.	2.5	60
6	Native-Invasive Plants vs. Halophytes in Mediterranean Salt Marshes: Stress Tolerance Mechanisms in Two Related Species. <i>Frontiers in Plant Science</i> , 2016, 7, 473.	3.6	45
7	Salinity-Induced Variation in Biochemical Markers Provides Insight into the Mechanisms of Salt Tolerance in Common (<i>Phaseolus vulgaris</i>) and Runner (<i>P. coccineus</i>) Beans. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1582.	4.1	44
8	Stress tolerance mechanisms in <i>Juncus</i> : responses to salinity and drought in three <i>Juncus</i> species adapted to different natural environments. <i>Functional Plant Biology</i> , 2016, 43, 949.	2.1	34
9	Screening for drought tolerance in cultivars of the ornamental genus <i>Tagetes</i> (Asteraceae). <i>PeerJ</i> , 2016, 4, e2133.	2.0	34
10	Identification of Salt Stress Biomarkers in Romanian Carpathian Populations of <i>Picea abies</i> (L.) Karst.. <i>PLoS ONE</i> , 2015, 10, e0135419.	2.5	27
11	Variable Levels of Tolerance to Water Stress (Drought) and Associated Biochemical Markers in Tunisian Barley Landraces. <i>Molecules</i> , 2018, 23, 613.	3.8	25
12	Responses of succulents to drought: Comparative analysis of four <i>Sedum</i> (Crassulaceae) species. <i>Scientia Horticulturae</i> , 2019, 243, 235-242.	3.6	24
13	Comparative analysis of water deficit and salt tolerance mechanisms in <i>Silene</i> . <i>South African Journal of Botany</i> , 2018, 117, 193-206.	2.5	20
14	Identification of Salt and Drought Biochemical Stress Markers in Several <i>Silene vulgaris</i> Populations. <i>Sustainability</i> , 2019, 11, 800.	3.2	19
15	Breeding Targets to Improve Biomass Quality in <i>Miscanthus</i> . <i>Molecules</i> , 2021, 26, 254.	3.8	19
16	Transcriptome analysis of <i>Phoenix canariensis</i> Chabaud in response to <i>Rhynchophorus ferrugineus</i> Olivier attacks. <i>Frontiers in Plant Science</i> , 2015, 6, 817.	3.6	18
17	Biochemical responses to drought, at the seedling stage, of several Romanian Carpathian populations of Norway spruce (<i>Picea abies</i> L. Karst). <i>Trees - Structure and Function</i> , 2017, 31, 1479-1490.	1.9	18
18	A microarray analysis highlights the role of tetrapyrrole pathways in grapevine responses to <i>œstolburœ phytoplasma, phloem virus infections and recovered status. <i>Physiological and Molecular Plant Pathology</i>, 2016, 93, 129-137.</i>	2.5	17

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19	Effects of Drought and Salinity on European Larch (<i>Larix decidua</i> Mill.) Seedlings. <i>Forests</i> , 2018, 9, 320.	2.1	17
20	Qualitative and Quantitative Differences in Osmolytes Accumulation and Antioxidant Activities in Response to Water Deficit in Four Mediterranean <i>Limonium</i> Species. <i>Plants</i> , 2019, 8, 506.	3.5	17
21	Responses to Salt Stress in <i>Portulaca</i> : Insight into Its Tolerance Mechanisms. <i>Plants</i> , 2020, 9, 1660.	3.5	16
22	Physiological and morphological characterisation of <i>Limonium</i> species in their natural habitats: Insights into their abiotic stress responses. <i>Plant and Soil</i> , 2020, 449, 267-284.	3.7	16
23	Contribution of Osmolyte Accumulation to Abiotic Stress Tolerance in Wild Plants Adapted to Different Stressful Environments. , 2016, , 13-25.		14
24	Comparative analysis of drought responses in <i>Phaseolus vulgaris</i> (common bean) and <i>P. coccineus</i> (runner bean) cultivars. <i>The EuroBiotech Journal</i> , 2017, 1, 247-252.	1.0	14
25	Screening for Salt Tolerance in Four Local Varieties of <i>Phaseolus lunatus</i> from Spain. <i>Agriculture (Switzerland)</i> , 2018, 8, 201.	3.1	11
26	The genus <i>Portulaca</i> as a suitable model to study the mechanisms of plant tolerance to drought and salinity. <i>The EuroBiotech Journal</i> , 2018, 2, 104-113.	1.0	11
27	Effects of Salt and Water Stress on Plant Growth and on Accumulation of Osmolytes and Antioxidant Compounds in Cherry Tomato. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, .	1.1	10
28	Growth and Reproductive Success under Saline Conditions of Three <i>Plantago</i> Species with Different Levels of Stress Tolerance. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2014, 42, .	1.1	7
29	Anatomical Modifications in two <i>Juncus</i> Species under Salt Stress Conditions. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2015, 43, 501-506.	1.1	6
30	Biochemical Markers of Salt Stress in European Larch (<i>Larix decidua</i>). <i>Notulae Scientia Biologicae</i> , 2018, 10, 430-438.	0.4	4
31	Responses to Drought in Seedlings of European Larch (<i>Larix decidua</i> Mill.) from Several Carpathian Provenances. <i>Forests</i> , 2019, 10, 511.	2.1	4
32	Drought Tolerance in Several <i>Tagetes</i> L. Cultivars. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2014, 71, .	0.1	3
33	Investigating applied drought in <i>Miscanthus sinensis</i> ; sensitivity, response mechanisms, and subsequent recovery. <i>GCB Bioenergy</i> , 0, , .	5.6	2
34	Competition Between Halophytes and Invasive Species. , 2021, , 599-621.		1
35	Effects of Salt on Seed Germination and Seedling Growth of Three <i>Portulaca</i> Species. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2015, 72, .	0.1	1
36	Comparative Analysis of the Antioxidant Response to Salt Stress in <i>Inula crithmoides</i> and <i>Dittrichia viscosa</i> . <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2015, 72, .	0.1	0

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37	Expression of the Vacuolar Na ⁺ /H ⁺ Antiporter Gene (NHX1) in Three Plantago Species Differing in Salt Tolerance. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2015, 72, .	0.1	0
38	Mechanisms of Response to Salt Stress in Oleander (Nerium oleander L.). Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2016, 73, 249.	0.1	0
39	Drought responses in six hazelnut (Corylus avellana L.) cultivars. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2016, 73, 259.	0.1	0
40	Competition Between Halophytes and Invasive Species. , 2020, , 1-23.		0
41	Physiological Changes and Osmoregulation in Several Romanian Spruce Populations Exposed to Salt and Drought Stress. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2014, 71, .	0.1	0
42	Responses to Drought and Salinity in the Endangered Species Ligularia sibirica (L.) Cass.. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2016, 73, 252.	0.1	0