Rashid Abdullah Al-Yahyai

List of Publications by Citations

83 papers	1,272 citations	18 h-index	33 g-index
100 ext. papers	1,804 ext. citations	2.3 avg, IF	5.12 L-index

#	Paper	IF	Citations
83	The Role of Na and K Transporters in Salt Stress Adaptation in Glycophytes. *Frontiers in Physiology*, **2017**, 8, 509	4.6	309
82	Physico-chemical and textural quality attributes of pomegranate cultivars (Punica granatum L.) grown in the Sultanate of Oman. *Journal of Food Engineering*, **2009**, 90, 129-134	6	144
81	Genome-wide expression profiling in leaves and roots of date palm (Phoenix dactylifera L.) exposed to salinity. *BMC Genomics*, **2017**, 18, 246	4.5	43
80	Antioxidant Response to Salinity in Salt-Tolerant and Salt-Susceptible Cultivars of Date Palm. *Agriculture (Switzerland)*, **2019**, 9, 8	3	42
79	A genome-wide identification of the miRNAome in response to salinity stress in date palm (Phoenix dactylifera L.). *Frontiers in Plant Science*, **2015**, 6, 946	6.2	41
78	Salinity tolerance in tomato: Implications of potassium, calcium, and phosphorus. *Communications in Soil Science and Plant Analysis*, **1995**, 26, 2749-2760	1.5	39
77	AFLP data suggest a potential role for the low genetic diversity of acid lime (Citrus aurantifolia Swingle) in Oman in the outbreak of witches broom disease of lime. *Euphytica*, **2012**, 188, 285-297	2.1	33
76	Inhibits Growth and Induces Morphological Abnormalities in and Suppresses -Induced Damping-Off of Cucumber. *Frontiers in Microbiology*, **2018**, 9, 95	5.7	30
75	Differential DNA methylation and transcription profiles in date palm roots exposed to salinity. *PLoS ONE*, **2018**, 13, e0191492	3.7	26
74	Overexpression of a Gene from Date Palm Confers Abiotic Stress Tolerance to Yeast and. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	26
73	Detection, Identification, and Molecular Characterization of the 16SrII-D Phytoplasmas Infecting Vegetable and Field Crops in Oman. *Plant Disease*, **2018**, 102, 576-588	1.5	26
72	CHARACTERIZATION OF SOIL-WATER RETENTION OF A VERY GRAVELLY LOAM SOIL VARIED WITH DETERMINATION METHOD. *Soil Science*, **2006**, 171, 85-93	0.9	25
71	Screening of Date Palm (Phoenix dactylifera L.) Cultivars for Salinity Tolerance. *Forests*, **2017**, 8, 136	2.8	24
70	Phytochemical content, antioxidant capacity and physicochemical properties of pomegranate grown in different microclimates in South Africa. *South African Journal of Plant and Soil*, **2013**, 30, 81-90	0.8	23
69	Health and environmental effects of Heavy metals. *Journal of King Saud University - Science*, **2021**, 101653	3.6	22
68	Endophytic bacterial diversity of Avicennia marina helps to confer resistance against salinity stress in Solanum lycopersicum. *Journal of Plant Interactions*, **2017**, 12, 312-322	3.8	21
67	Metabolomic analysis of date palm seedlings exposed to salinity and silicon treatments. *Plant Signaling and Behavior*, **2019**, 14, 1663112	2.5	20

66	The use of high throughput DNA sequence analysis to assess the endophytic microbiome of date palm roots grown under different levels of salt stress. *International Microbiology*, **2016**, 19, 143-155	3	20
65	Identification of Reference Genes for Quantitative Real-Time PCR in Date Palm (Phoenix dactylifera L.) Subjected to Drought and Salinity. *PLoS ONE*, **2016**, 11, e0166216	3.7	18
64	Functional Characterization of Date Palm Aquaporin Gene Confers Drought and Salinity Tolerance to Yeast and Arabidopsis. *Genes*, **2019**, 10,	4.2	15
63	Disinfestation of stored dates using microwave energy. *Journal of Stored Products Research*, **2013**, 55, 1-5	2.5	15
62	Population genetic analysis reveals a low level of genetic diversity of ' Phytoplasma aurantifolia' causing witches' broom disease in lime. *SpringerPlus*, **2016**, 5, 1701		15
61	Fruit growth characteristics of four pomegranate cultivars from northern Oman. *Fruits*, **2009**, 64, 335-34Φ	0.3	14
60	Classification of a new phytoplasmas subgroup 16SrII-W associated with Crotalaria witches' broom diseases in Oman based on multigene sequence analysis. *BMC Microbiology*, **2017**, 17, 221	4.5	13
59	An endophytic Talaromyces omanensis enhances reproductive, physiological and anatomical characteristics of drought-stressed tomato. *Journal of Plant Physiology*, **2020**, 249, 153163	3.6	13
58	Expression of phytoplasma-induced witches broom disease symptoms in acid lime (Citrus aurantifolia) trees is affected by climatic conditions. *Plant Pathology*, **2017**, 66, 1380-1388	2.8	12
57	A novel tonoplast Na/H antiporter gene from date palm (PdNHX6) confers enhanced salt tolerance response in Arabidopsis. *Plant Cell Reports*, **2020**, 39, 1079-1093	5.1	12
56	Talaromyces variabilis interferes with Pythium aphanidermatum growth and suppresses Pythium-induced damping-off of cucumbers and tomatoes. *Scientific Reports*, **2019**, 9, 11255	4.9	12
55	Effect of Postharvest Transport and Storage on Color and Firmness Quality of Tomato. *Horticulturae*, **2021**, 7, 163	2.5	12
54	Molecular characterization and potential sources of Citrus tristeza virus in Oman. *Plant Pathology*, **2012**, 61, 632-640	2.8	11
53	Detecting Surface Cracks on Dates Using Color Imaging Technique. *Food Science and Technology Research*, **2013**, 19, 795-804	0.8	11
52	Chemical and nutritional quality changes of tomato during postharvest transportation and storage. *Journal of the Saudi Society of Agricultural Sciences*, **2021**, 20, 401-408	3.3	11
51	STATUS OF CITRUS AURANTIFOLIA INFECTED WITH WITCHES' BROOM DISEASE OF LIME IN OMAN. *Acta Horticulturae*, **2012**, 375-381	0.3	10
50	Identification of Candidate Genes Involved in the Salt Tolerance of Date Palm (Phoenix dactylifera L.) Based on a Yeast Functional Bioassay. *DNA and Cell Biology*, **2018**, 37, 524-534	3.6	9
49	Evaluation of tomato inbred lines for resistance to the tomato yellow leaf curl disease complex in Oman. *Crop Protection*, **2018**, 110, 91-98	2.7	9

48	Cladosporium omanense, a new endophytic species from Zygophyllum coccineum in Oman. *Phytotaxa*, **2019**, 388, 145	0.7	8
47	Date Palm Status and Perspective in Oman **2015**, 207-240		8
46	Postharvest Responses of Malindi Cavendish Banana to Various Storage Conditions. *International Journal of Fruit Science*, **2013**, 13, 373-388	1.2	8
45	Witches' Broom Disease of Lime Contributes to Phytoplasma Epidemics and Attracts Insect Vectors. *Plant Disease*, **2021**, 105, 2637-2648	1.5	8
44	Mixed Fertilizer can Improve Fruit Yield and Quality of Field-Grown Tomatoes Irrigated with Saline Water. *Journal of Plant Nutrition*, **2014**, 37, 1981-1996	2.3	7
43	Non-destructive measurement of total soluble solid (TSS) content of dates using near infrared (NIR) imaging. *Emirates Journal of Food and Agriculture*, **2014**, 26, 970	1	7
42	Detection of Differential DNA Methylation Under Stress Conditions Using Bisulfite Sequence Analysis. *Methods in Molecular Biology*, **2017**, 1631, 121-137	1.4	6
41	Genome Sequencing of sp. Yaish 1, a Bacterial Strain Isolated from the Rhizosphere of Date Palm Trees Affected by Salinity. *Genome Announcements*, **2017**, 5,		6
40	X-ray Imaging of Stored Dates to Detect Infestation by Saw-Toothed Beetles. *International Journal of Fruit Science*, **2016**, 16, 42-56	1.2	5
39	Fruit quality and partitioning of mineral elements in processing tomato in response to saline nutrients. *Journal of Plant Nutrition*, **1996**, 19, 705-715	2.3	5
38	First report of a Candidatus Phytoplasma aurantifolia-related strain in Citrus macrophylla in Oman. *Phytopathogenic Mollicutes*, **2019**, 9, 7	1	5
37	Comparative Water Relations of Two Contrasting Date Palm Genotypes under Salinity. *International Journal of Agronomy*, **2019**, 2019, 1-16	1.9	5
36	Sustainable reuse options of treated effluents: a case study from Muscat, Oman. *Journal of Environmental Engineering and Science*, **2019**, 14, 195-202	0.8	4
35	RGB color imaging to detect Aspergillus flavus infection in dates. *Emirates Journal of Food and Agriculture*, **2016**, 28, 683	1	4
34	Quality changes kinetic of tomato during transportation and storage. *Journal of Food Process Engineering*, **2021**, 44, e13808	2.4	4
33	Mechanical damage of fresh produce in postharvest transportation: Current status and future prospects. *Trends in Food Science and Technology*, **2022**, 124, 195-207	15.3	4
32	Talaromyces omanensis sp. nov.: phenotypic and molecular characterization of a novel species isolated from Rhazya stricta in Oman. *Phytotaxa*, **2019**, 404, 190	0.7	3
31	Classification of dates varieties and effect of motion blurring on standardized moment features. *Journal of Food Measurement and Characterization*, **2012**, 6, 21-26	2.8	3

30	TRADITIONAL CULTIVATION OF POMEGRANATE IN OMAN. *Acta Horticulturae*, **2013**, 549-555	0.3	3
29	Four Levels of Soil Water Depletion Minimally Affect Carambola Phenological Cycles. *HortTechnology*, **2005**, 15, 623-630	1.3	3
28	Molecular Characterization of a Date Palm Vascular Highway 1-Interacting Kinase () Under Abiotic Stresses. *Genes*, **2020**, 11,	4.2	3
27	Managing irrigation of fruit trees using plant water status. *Agricultural Sciences*, **2012**, 03, 35-43	0.4	3
26	Foliar nano-fertilization enhances fruit growth, maturity, and biochemical responses of date palm. *Canadian Journal of Plant Science*, **2021**, 101, 299-306	1	3
25	Association of the 16SrII-D Phytoplasma with African Marigold () Phyllody in Oman. *Plant Disease*, **2021**, 105, 27-30	1.5	3
24	Genetic analysis suggests a shared origin of Punica granatum cultivars in Oman with cultivars from the center of origin, Iran. *Genetic Resources and Crop Evolution*, **2015**, 62, 815-821	2	2
23	QUALITY OF DATES: INFLUENCING FACTORS AND ASSESSMENT METHODS. *Acta Horticulturae*, **2013**, 1241-1246	0.3	2
22	Effect of storage conditions on physico-chemical attributes and physiological responses of 'milk' (Musa spp., AAB group) banana during fruit ripening. *International Journal of Postharvest Technology and Innovation*, **2012**, 2, 370	0.3	2
21	BOTANICAL DESCRIPTION AND PHENOLOGICAL CYCLES OF MONOTHECA BUXIFOLIA. *Acta Horticulturae*, **2008**, 247-253	0.3	2
20	IMPROVEMENT OF DATE PALM PRODUCTION IN THE SULTANATE OF OMAN. *Acta Horticulturae*, **2007**, 337-343	0.3	2
19	Biological control of Pythium aphanidermatum-induced cucumber and radish damping-off by an endophytic fungus, Cladosporium omanense isolate 31R. *Biocontrol Science and Technology*, **2021**, 31, 235-251	1.7	2
18	Plant-soil approach for irrigation scheduling of mango trees in the Sultanate of Oman. *Acta Horticulturae*, **2017**, 153-158	0.3	1
17	In□vitro and in□vivo propagation of Monotheca buxifolia (Falc.) A. DC. An economical medicinal plant. *Acta Ecologica Sinica*, **2019**, 39, 425-430	2.7	1
16	Introducing School Gardens to the Omani Context: A Preliminary Study with Grade 7 Classes. *Eurasia Journal of Mathematics, Science and Technology Education*, **2017**, 14,	1.6	1
15	LANDSCAPING WITH NATIVE PLANTS IN OMAN. *Acta Horticulturae*, **2015**, 181-192	0.3	1
14	AFLP Fingerprinting Analysis of Citrus Cultivars and Wild Accessions from Oman Suggests the Presence of Six Distinct Cultivars. *Agriculture*, **2018**, 64, 173-182	0.6	1
13	First Report of Rust Caused by Tranzschelia discolor on Peach in Oman. *Plant Disease*, **2007**, 91, 638	1.5	1

12	Chemical composition of acid lime leaves infected with <i>Candidatus</i> Phytoplasma aurantifolia. *Agricultural Sciences*, **2014**, 05, 66-70	0.4	1
11	Basil **2020**, 47-62		1
10	Protective effect of jasmonic acid and potassium against cadmium stress in peas (L.).. *Saudi Journal of Biological Sciences*, **2022**, 29, 2626-2633	4	1
9	Genome-Wide Identification and Expression Profiling of DUF221 Gene Family Provides New Insights Into Abiotic Stress Responses in Potato.. *Frontiers in Plant Science*, **2021**, 12, 804600	6.2	0
8	Impact of a Nature-Inspired Engineered Soil Structure on Microbial Diversity and Community Composition in the Bulk Soil and Rhizosphere of Tomato Grown Under Saline Irrigation Water. *Journal of Soil Science and Plant Nutrition*, **2021**, 21, 173-186	3.2	0
7	Genome-Wide Identification and Expression Profiling of Germin-Like Proteins Reveal Their Role in Regulating Abiotic Stress Response in Potato.. *Frontiers in Plant Science*, **2021**, 12, 831140	6.2	0
6	Thin layer drying kinetics and quality dynamics of persimmon (Diospyros kaki) treated with preservatives and solar dried under different temperatures.. *PLoS ONE*, **2022**, 17, e0265111	3.7	0
5	Achene yield and oil quality of diverse sunflower (Helianthus annuus L.) hybrids are affected by different irrigation sources. *Journal of King Saud University - Science*, **2022**, 102016	3.6	0
4	Expression profiling of pathogenesis-related Protein-1 (PR-1) genes from Solanum tuberosum reveals its critical role in phytophthora infestans infection. *Microbial Pathogenesis*, **2021**, 161, 105290	3.8	0
3	Phosphorus and Potassium Application Improves Fodder Yield and Quality of Sorghum in Aridisol under Diverse Climatic Conditions. *Agriculture (Switzerland)*, **2022**, 12, 593	3	0
2	Evaluating the effect of tuf and secA gene sequence length for discrimination of phytoplasmas. *Canadian Journal of Plant Pathology*, **2021**, 43, 209-215	1.6	
1	Population structure of two morphotypes of Sideroxylon mascatense (A.DC.) T.D.Penn. in Oman. *Genetic Resources and Crop Evolution*, **2021**, 68, 1299-1308	2	