Walid Sadok

List of Publications by Year
in descending order

35 papers	1,460 citations	394421 19 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	1527 citing authors

#	Article	IF	Citations
1	Leaf growth rate per unit thermal time follows QTL-dependent daily patterns in hundreds of maize lines under naturally fluctuating conditions. Plant, Cell and Environment, 2007, 30, 135-146.	5.7	138
2	Limited-transpiration response to high vapor pressure deficit in crop species. Plant Science, 2017, 260, 109-118.	3.6	108
3	Differential sensitivities of transpiration to evaporative demand and soil water deficit among wheat elite cultivars indicate different strategies for drought tolerance. Environmental and Experimental Botany, 2012, 84, 1-10.	4.2	102
4	Transpiration response of â€˜slow-wiltingâ€™ and commercial soybean (Glycine max (L.) Merr.) genotypes to three aquaporin inhibitors. Journal of Experimental Botany, 2010, 61, 821-829.	4.8	101
5	Systemic effects of rising atmospheric vapor pressure deficit on plant physiology and productivity. Global Change Biology, 2021, 27, 1704-1720.	9.5	92
6	The Hidden Costs of Nighttime Warming on Yields. Trends in Plant Science, 2020, 25, 644-651.	8.8	87
7	Genetic Variability of Transpiration Response to Vapor Pressure Deficit among Soybean Cultivars. Crop Science, 2009, 49, 955-960.	1.8	77
8	Conservative water use under high evaporative demand associated with smaller root metaxylem and limited trans-membrane water transport in wheat. Functional Plant Biology, 2014, 41, 257.	2.1	75
9	A Common Genetic Determinism for Sensitivities to Soil Water Deficit and Evaporative Demand: Meta-Analysis of Quantitative Trait Loci and Introgression Lines of Maize Â Â. Plant Physiology, 2011, 157, 718-729.	4.8	71
10	Transpiration increases under highâ€temperature stress: Potential mechanisms, tradeâ€offs and prospects for crop resilience in a warming world. Plant, Cell and Environment, 2021, 44, 2102-2116.	5.7	65
11	High resolution mapping of traits related to whole-plant transpiration under increasing evaporative demand in wheat. Journal of Experimental Botany, 2016, 67, 2847-2860.	4.8	54
12	Genotype-dependent influence of night-time vapour pressure deficit on night-time transpiration and daytime gas exchange in wheat. Functional Plant Biology, 2014, 41, 963.	2.1	50
13	Genetic Variability of Transpiration Response of Soybean [<i>Glycine max</i> (L.) Merr.] Shoots to Leaf Hydraulic Conductance Inhibitor AgNO₃. Crop Science, 2010, 50, 1423-1430.	1.8	48
14	Genetic variability of transpiration response to vapor pressure deficit among soybean (Glycine max [L.]) Tj ETQq0 0 0 rgBT /Overlock 10 156-160.	5.1	43
15	Transpiration sensitivities to evaporative demand and leaf areas vary with night and day warming regimes among wheat genotypes. Functional Plant Biology, 2013, 40, 708.	2.1	42
16	Guidelines to design models assessing agricultural sustainability, based upon feedbacks from the DEXi decision support system. Agronomy for Sustainable Development, 2015, 35, 1431-1447.	5.3	36
17	Wheat drought-tolerance to enhance food security in Tunisia, birthplace of the Arab Spring. European Journal of Agronomy, 2019, 107, 1-9.	4.1	35
18	Nightly business: Links between daytime canopy conductance, nocturnal transpiration and its circadian control illuminate physiological trade-offs in maize. Environmental and Experimental Botany, 2018, 148, 192-202.	4.2	21

#	ARTICLE	IF	CITATIONS
19	Increased contribution of wheat nocturnal transpiration to daily water use under drought. Physiologia Plantarum, 2018, 162, 290-300.	5.2	21
20	Potential involvement of root auxins in drought tolerance by modulating nocturnal and daytime water use in wheat. Annals of Botany, 2019, 124, 969-978.	2.9	20
21	Pot binding as a variable confounding plant phenotype: theoretical derivation and experimental observations. Planta, 2017, 245, 729-735.	3.2	19
22	Yield comparison of simulated rainfed wheat and barley across Middle-East. Agricultural Systems, 2017, 153, 101-108.	6.1	18
23	Variability in temperature-independent transpiration responses to evaporative demand correlate with nighttime water use and its circadian control across diverse wheat populations. Planta, 2019, 250, 115-127.	3.2	17
24	Diversity in daytime and nightâ€time transpiration dynamics in barley indicates adaptation to drought regimes across the Middleâ€East. Journal of Agronomy and Crop Science, 2019, 205, 372-384.	3.5	16
25	Sleep tight and wake-up early: nocturnal transpiration traits to increase wheat drought tolerance in a Mediterranean environment. Functional Plant Biology, 2020, 47, 1117.	2.1	16
26	Winter Hardiness and Freezing Tolerance in a Hairy Vetch Collection. Crop Science, 2018, 58, 1594-1604.	1.8	15
27	Nighttime evaporative demand induces plasticity in leaf and root hydraulic traits. Physiologia Plantarum, 2016, 158, 402-413.	5.2	14
28	Higher forage yields under temperate drought explained by lower transpiration rates under increasing evaporative demand. European Journal of Agronomy, 2016, 72, 91-98.	4.1	14
29	The circadian life of nocturnal water use: when lateâ€night decisions help improve your day. Plant, Cell and Environment, 2016, 39, 1-2.	5.7	13
30	ZINC TREATMENT RESULTS IN TRANSPIRATION RATE DECREASES THAT VARY AMONG SOYBEAN GENOTYPES. Journal of Plant Nutrition, 2012, 35, 1866-1877.	1.9	9
31	Sheathing the blade: Significant contribution of sheaths to daytime and nighttime gas exchange in a grass crop. Plant, Cell and Environment, 2020, 43, 1844-1861.	5.7	9
32	Canopy cooling traits associated with yield performance in heat-stressed oat. European Journal of Agronomy, 2022, 139, 126555.	4.1	6
33	Wheat. SpringerBriefs in Environmental Science, 2017, , 85-92.	0.3	3
34	Harnessing nighttime transpiration dynamics for drought tolerance in grasses. Plant Signaling and Behavior, 2021, 16, 1875646.	2.4	1
35	Association between xylem vasculature size and freezing survival in winter barley. Journal of Agronomy and Crop Science, 0, , .	3.5	0