Dennis H Greer

List of Publications by Year
in descending order

42 papers	1,517 citations	361413 20 h-index	315739 38 g-index
43 all docs	43 docs citations	43 times ranked	1397 citing authors

#	Article	IF	Citations
1	Heat stress affects flowering, berry growth, sugar accumulation and photosynthesis of Vitis vinifera cv. Semillon grapevines grown in a controlled environment. Functional Plant Biology, 2010, 37, 206.	2.1	182
2	Modelling photosynthetic responses to temperature of grapevine (Vitis vinifera cv. Semillon) leaves on vines grown in a hot climate. Plant, Cell and Environment, 2012, 35, 1050-1064.	5.7	182
3	Effects of Crop Load on Fruiting and Gas-exchange Characteristics of `Braeburn'/M.26 Apple Trees at Full Canopy. Journal of the American Society for Horticultural Science, 2000, 125, 93-99.	1.0	130
4	The impact of high temperatures on Vitis vinifera cv. Semillon grapevine performance and berry ripening. Frontiers in Plant Science, 2013, 4, 491.	3.6	125
5	Does night-time transpiration contribute to anisohydric behaviour in a Vitis vinifera cultivar?. Journal of Experimental Botany, 2009, 60, 3751-3763.	4.8	114
6	Physiological and biochemical leaf and tree responses to crop load in apple. Tree Physiology, 2005, 25, 1253-1263.	3.1	89
7	Effects of the Fungal Endophyte, Neotyphodium lolii, on Net Photosynthesis and Growth Rates of Perennial Ryegrass (Lolium perenne) are Independent of In Planta Endophyte Concentration. Annals of Botany, 2006, 98, 379-387.	2.9	73
8	Reductions in biomass accumulation, photosynthesis in situ and net carbon balance are the costs of protecting Vitis vinifera â€˜Semillonâ€™ grapevines from heat stress with shade covering. AoB PLANTS, 2011, 2011, plr023.	2.3	54
9	Modelling leaf photosynthetic and transpiration temperature-dependent responses in Vitis vinifera cv. Semillon grapevines growing in hot, irrigated vineyard conditions. AoB PLANTS, 2012, 2012, pls009.	2.3	43
10	Interactions between light and growing season temperatures on, growth and development and gas exchange of Semillon (Vitis vinifera L.) vines grown in an irrigated vineyard. Plant Physiology and Biochemistry, 2012, 54, 59-69.	5.8	42
11	Root-zone temperatures affect phenology of bud break, flower cluster development, shoot extension growth and gas exchange of 'Braeburn' (Malus domestica) apple trees. Tree Physiology, 2006, 26, 105-111.	3.1	40
12	The net carbon balance in relation to growth and biomass accumulation of grapevines (Vitis vinifera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	34
13	Shoot architecture, growth and development dynamics of Vitis vinifera cv. Semillon vines grown in an irrigated vineyard with and without shade covering. Functional Plant Biology, 2010, 37, 1061.	2.1	34
14	Temperature-dependence of carbon acquisition and demand in relation to shoot and fruit growth of fruiting kiwifruit (Actinidia deliciosa) vines grown in controlled environments. Functional Plant Biology, 2003, 30, 927.	2.1	30
15	Transpiration efficiency of the grapevine cv. Semillon is tied to VPD in warm climates. Annals of Applied Biology, 2011, 158, 106-114.	2.5	26
16	From controlled environments to field simulations: leaf area dynamics and photosynthesis of kiwifruit vines (Actinidia deliciosa). Functional Plant Biology, 2004, 31, 169.	2.1	26
17	Photosynthetic and fluorescence light responses for kiwifruit (Actinidia deliciosa) leaves at different stages of development on vines grown at two different photon flux densities. Functional Plant Biology, 2001, 28, 373.	2.1	26
18	Temperature-dependence of carbon acquisition and demand in relation to shoot growth of kiwifruit (Actinidia deliciosa) vines grown in controlled environments. Functional Plant Biology, 1998, 25, 843.	2.1	26

#	Article	IF	Citations
19	Effects of fruiting on vegetative growth and development dynamics of grapevines (Vitis vinifera cv.) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	25
20	Nonâ€destructive chlorophyll fluorescence and colour measurements of â€˜Braeburnâ€™ and â€˜Royal Galaâ€™ apple (Malus domestica) fruit development throughout the growing season. New Zealand Journal of Crop and Horticultural Science, 2005, 33, 413-421.	1.3	23
21	Seasonal changes in the photosynthetic response to CO2 and temperature in apple (Malus domestica) Tj ETQq1 1 0.784314 rgBT /Over Biology, 2015, 42, 309.	2.1	20
22	Does the hydrocooling of Vitis vinifera cv. Semillon vines protect the vegetative and reproductive growth processes and vine performance against high summer temperatures?. Functional Plant Biology, 2014, 41, 620.	2.1	19
23	Temperature-dependent responses of the photosynthetic and chlorophyll fluorescence attributes of apple (Malus domestica) leaves during a sustained high temperature event. Plant Physiology and Biochemistry, 2015, 97, 139-146.	5.8	17
24	Responses of biomass accumulation, photosynthesis and the net carbon budget to high canopy temperatures of Vitis vinifera L. cv. Semillon vines grown in field conditions. Environmental and Experimental Botany, 2017, 138, 10-20.	4.2	15
25	Photon flux density and temperature-dependent responses of photosynthesis and photosystem II performance of apple leaves grown in field conditions. Functional Plant Biology, 2015, 42, 782.	2.1	12
26	Establishing the temperature dependency of vegetative and reproductive growth processes and their threshold temperatures of vineyard-grown Vitis vinifera cv. Semillon vines across the growing season. Functional Plant Biology, 2016, 43, 986.	2.1	12
27	Temperature and CO 2 dependency of the photosynthetic photon flux density responses of leaves of Vitis vinifera cvs. Chardonnay and Merlot grown in a hot climate. Plant Physiology and Biochemistry, 2017, 111, 295-303.	5.8	11
28	Lateâ€season temperature effects on the carbon economy and tree performance of â€˜Royal Galaâ€™ apple (Malusdomestica) trees. New Zealand Journal of Crop and Horticultural Science, 2003, 31, 235-245.	1.3	10
29	Photosynthetic responses to CO2 at different leaf temperatures in leaves of apple trees (Malus) Tj ETQq1 1 0.784314 rgBT /Overlock Experimental Botany, 2018, 155, 56-65.	4.2	10
30	Potassium and Magnesium Mediate the Light and CO2 Photosynthetic Responses of Grapevines. Biology, 2020, 9, 144.	2.8	10
31	Leaf photosynthetic and solar-tracking responses of mallow, Malva parviflora, to photon flux density. Plant Physiology and Biochemistry, 2009, 47, 946-953.	5.8	9
32	The short-term temperature-dependency of CO2 photosynthetic responses of two Vitis vinifera cultivars grown in a hot climate. Environmental and Experimental Botany, 2018, 147, 125-137.	4.2	9
33	Modelling seasonal changes in the temperature-dependency of CO2 photosynthetic responses in two Vitis vinifera cultivars. Functional Plant Biology, 2018, 45, 315.	2.1	7
34	Modelling the seasonal changes in the gas exchange response to CO2 in relation to short-term leaf temperature changes in Vitis vinifera cv. Shiraz grapevines grown in outdoor conditions. Plant Physiology and Biochemistry, 2019, 142, 372-383.	5.8	7
35	Short-term temperature dependency of the photosynthetic and PSII photochemical responses to photon flux density of leaves of Vitis vinifera cv. Shiraz vines grown in field conditions with and without fruit. Functional Plant Biology, 2019, 46, 634.	2.1	6
36	Stomatal and non-stomatal limitations at different leaf temperatures to the photosynthetic process during the post-harvest period for Vitis vinifera cv. Chardonnay vines.. New Zealand Journal of Crop and Horticultural Science, 2020, 48, 1-21.	1.3	6

#	Article	IF	Citations
37	Changes in the temperature-dependency of the photosynthetic response to chloroplast CO2 concentrations of outdoor-grown Vitis vinifera cv. Shiraz vines with a mid-season crop removal. Environmental and Experimental Botany, 2020, 169, 103914.	4.2	4
38	Can a small differential in canopy temperature influence performance of Semillon in a vineyard?. New Zealand Journal of Crop and Horticultural Science, 2019, 47, 63-82.	1.3	2
39	Changes in photosynthesis and chlorophyll a fluorescence in relation to leaf temperature from just before to after harvest of Vitis vinifera cv. Shiraz vines grown in outdoor conditions. Functional Plant Biology, 2021, , .	2.1	2
40	Does water stress exacerbate the impacts of heat stress on berry development of Vitis vinifera cv. Semillon vines grown in controlled environment conditions?. New Zealand Journal of Crop and Horticultural Science, 0, , 1-16.	1.3	1
41	Leaf temperature and CO. Functional Plant Biology, 2022, 49, 659-671.	2.1	1
42	Interaction effects of temperature and light on shoot architecture, growth dynamics and gas exchange of young Vitis vinifera cv. Shiraz vines in controlled environment conditions. Functional Plant Biology, 2022, 49, 54.	2.1	0