Marcos Carrasco-Benavides

List of Publications by Year
in descending order

22 papers	264 citations	1040056 9 h-index	940533 16 g-index
22 all docs	22 docs citations	22 times ranked	391 citing authors

#	Article	IF	Citations
1	Automated computation of leaf area index from fruit trees using improved image processing algorithms applied to canopy cover digital photograpies. Computers and Electronics in Agriculture, 2016, 123, 195-202.	7.7	43
2	Crop coefficients and actual evapotranspiration of a drip-irrigated Merlot vineyard using multispectral satellite images. Irrigation Science, 2012, 30, 485-497.	2.8	42
3	Parameterization of the Satellite-Based Model (METRIC) for the Estimation of Instantaneous Surface Energy Balance Components over a Drip-Irrigated Vineyard. Remote Sensing, 2014, 6, 11342-11371.	4.0	42
4	Improved Albedo Estimates Implemented in the METRIC Model for Modeling Energy Balance Fluxes and Evapotranspiration over Agricultural and Natural Areas in the Brazilian Cerrado. Remote Sensing, 2018, 10, 1181.	4.0	18
5	Effects of regulated post-harvest irrigation strategies on yield, fruit quality and water productivity in a drip-irrigated cherry orchard. New Zealand Journal of Crop and Horticultural Science, 2020, 48, 97-116.	1.3	17
6	Assessment of an automated digital method to estimate leaf area index (LAI) in cherry trees. New Zealand Journal of Crop and Horticultural Science, 2016, 44, 247-261.	1.3	16
7	Monthly calibration of Hargreaves–Samani equation using remote sensing and topoclimatology in central-southern Chile. International Journal of Remote Sensing, 2017, 38, 7497-7513.	2.9	16
8	Performance Assessment of Thermal Infrared Cameras of Different Resolutions to Estimate Tree Water Status from Two Cherry Cultivars: An Alternative to Midday Stem Water Potential and Stomatal Conductance. Sensors, 2020, 20, 3596.	3.8	16
9	Effects of different irrigation levels on plant water status, yield, fruit quality, and water productivity in a drip-irrigated blueberry orchard under Mediterranean conditions. Agricultural Water Management, 2021, 249, 106805.	5.6	16
10	Assessment of the vineyard water footprint by using ancillary data and EEFlux satellite images. Examples in the Chilean central zone. Science of the Total Environment, 2022, 811, 152452.	8.0	9
11	Burned Area Classification Based on Extreme Learning Machine and Sentinel-2 Images. Applied Sciences (Switzerland), 2022, 12, 9.	2.5	5
12	An Analysis of Seed Colour During Ripening of Cabernet Sauvignon Grapes. South African Journal of Enology and Viticulture, 2017, 38, .	0.4	4
13	How Does Irrigation Affect Crop Growth? A Mathematical Modeling Approach. Mathematics, 2022, 10, 151.	2.2	4
14	Reclamation of Treated Wastewater for Irrigation in Chile: Perspectives of the Current State and Challenges. Water (Switzerland), 2022, 14, 627.	2.7	4
15	Calibration and validation of an aerodynamic method to estimate the spatial variability of sensible and latent heat fluxes over a drip-irrigated Merlot vineyard. International Journal of Remote Sensing, 2017, 38, 7473-7496.	2.9	3
16	Canopy architecture assessment of cherry trees by cover photography based on variable light extinction coefficient modelled using artificial neural networks. Acta Horticulturae, 2019, , 183-188.	0.2	2
17	Seasonal Root, Shoot, and Fruit Growth Patterns in Kiwifruit (Actinidia deliciosa a.ÂChev.) in Central Chile. Erwerbs-Obstbau, 2019, 61, 283-292.	1.3	2
18	Mathematical modeling of fruit trees' growth under scarce watering. Journal of Physics: Conference Series, 2021, 2046, 012017.	0.4	2

#	Article	IF	Citations
19	Remote sensing model to evaluate the spatial variability of vineyard water requirements. Acta Horticulturae, 2017, , 235-242.	0.2	1
20	Studying phenological stages of cherry (Prunus avium L.) using field observations and satellite-derived vegetation indexes. Idesia, 2018, 36, 65-71.	0.3	1
21	ADOPTION OF IRRIGATION SCHEDULING: ROLE OF EXTENSION AND TRAINING IN CENTRAL CHILE. Environmental Engineering and Management Journal, 2018, 17, 2873-2880.	0.6	1
22	Estimation of water requirements for a drip-irrigated apple orchard using Landsat 7 satellite images. Acta Horticulturae, 2017, , 181-188.	0.2	0