Lydia Serrano

List of Publications by Year
in descending order

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26 papers	2,703 citations	393982 19 h-index	552369 26 g-index
26 all docs	26 docs citations	26 times ranked	3347 citing authors

#	Article	IF	Citations
1	The photochemical reflectance index: an optical indicator of photosynthetic radiation use efficiency across species, functional types, and nutrient levels. Oecologia, 1997, 112, 492-501.	0.9	1,008
2	Remote sensing of nitrogen and lignin in Mediterranean vegetation from AVIRIS data. Remote Sensing of Environment, 2002, 81, 355-364.	4.6	367
3	Remote Sensing of Biomass and Yield of Winter Wheat under Different Nitrogen Supplies. Crop Science, 2000, 40, 723-731.	0.8	291
4	Deriving Water Content of Chaparral Vegetation from AVIRIS Data. Remote Sensing of Environment, 2000, 74, 570-581.	4.6	244
5	Cell wall elasticity and Water Index (R970 nm/R900 nm) in wheat under different nitrogen availabilities. International Journal of Remote Sensing, 1996, 17, 373-382.	1.3	103
6	Sap flow of three co-occurring Mediterranean woody species under varying atmospheric and soil water conditions. Tree Physiology, 2003, 23, 747-758.	1.4	90
7	Assessment of grape yield and composition using the reflectance based Water Index in Mediterranean rainfed vineyards. Remote Sensing of Environment, 2012, 118, 249-258.	4.6	63
8	Some physiological and growth responses of kiwi fruit (Actinidia chinensis) to flooding. Physiologia Plantarum, 1986, 66, 75-78.	2.6	57
9	Effects of leaf structure on reflectance estimates of chlorophyll content. International Journal of Remote Sensing, 2008, 29, 5265-5274.	1.3	52
10	Assessing vineyard water status using the reflectance based Water Index. Agriculture, Ecosystems and Environment, 2010, 139, 490-499.	2.5	48
11	Changes in Leaf Osmotic and Elastic Properties and Canopy Structure of Strawberries under Mild Water Stress. Hortscience: A Publication of the American Society for Hortcultural Science, 1993, 28, 925-927.	0.5	48
12	ESTIMATION OF CANOPY PHOTOSYNTHETIC AND NONPHOTOSYNTHETIC COMPONENTS FROM SPECTRAL TRANSMITTANCE. Ecology, 2000, 81, 3149-3162.	1.5	45
13	Tissue-water relations of two co-occurring evergreen Mediterranean species in response to seasonal and experimental drought conditions. Journal of Plant Research, 2005, 118, 263-269.	1.2	40
14	Remotely measured canopy temperature of greenhouse strawberries as indicator of water status and yield under mild and very mild water stress conditions. Agricultural and Forest Meteorology, 1992, 58, 63-77.	1.9	37
15	Diverse Optical and Photosynthetic Properties in a Neotropical Dry Forest during the Dry Season: Implications for Remote Estimation of Photosynthesis1. Biotropica, 2005, 37, 547-560.	0.8	36
16	Effects of irrigation regimes on the yield and water use of strawberry. Irrigation Science, 1992, 13, 45.	1.3	34
17	Contribution of physiological and morphological adjustments to drought resistance in two Mediterranean tree species. Biologia Plantarum, 2005, 49, 551-559.	1.9	31
18	Population dynamics of Meloidogyne incognita on cucumber grafted onto the Cucurbita hybrid RS841 or ungrafted and yield losses under protected cultivation. European Journal of Plant Pathology, 2017, 148, 795-805.	0.8	23

#	Article	IF	Citations
19	Assessing forest structure and function from spectral transmittance measurements: a case study in a Mediterranean holm oak forest. Tree Physiology, 2005, 25, 67-74.	1.4	21
20	Hemp Yields and Its Rotation Effects on Wheat under Rainfed Mediterranean Conditions. Agronomy Journal, 2017, 109, 1551-1560.	0.9	20
21	Estimation of leaf area with an integrating sphere. Tree Physiology, 1997, 17, 571-576.	1.4	18
22	Use of consumer-grade cameras to assess wheat N status and grain yield. PLoS ONE, 2019, 14, e0211889.	1.1	13
23	Assessment of Grape Yield and Composition Using Reflectanceâ€Based Indices in Rainfed Vineyards. Agronomy Journal, 2014, 106, 1309-1316.	0.9	7
24	ASSESSING PETIOLE IRON CONTENT IN VITIS VINIFERA 'CHARDONNAY' USING REFLECTANCE BASED HYPERSPECTRAL INDICES. Acta Horticulturae, 2013, , 101-105.	0.1	3
25	Use of Reflectance Indices to Assess Vine Water Status under Mild to Moderate Water Deficits. Agronomy, 2019, 9, 346.	1.3	2
26	IS PCD A RELIABLE INDICATOR OF BERRY QUALITY ATTRIBUTES IN WATER STRESSED VINEYARDS?. Acta Horticulturae, 2013, , 85-92.	0.1	2