

Lydia Serrano

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

2,188

citations

18

h-index

26

g-index

26

ext. papers

2,445

ext. citations

4.1

avg, IF

4.75

L-index

#	Paper	IF	Citations
26	The photochemical reflectance index: an optical indicator of photosynthetic radiation use efficiency across species, functional types, and nutrient levels. <i>Oecologia</i> , 1997 , 112, 492-501	2.9	801
25	Remote sensing of nitrogen and lignin in Mediterranean vegetation from AVIRIS data: Decomposing biochemical from structural signals. <i>Remote Sensing of Environment</i> , 2002 , 81, 355-364	13.2	295
24	Remote Sensing of Biomass and Yield of Winter Wheat under Different Nitrogen Supplies. <i>Crop Science</i> , 2000 , 40, 723-731	2.4	237
23	Deriving Water Content of Chaparral Vegetation from AVIRIS Data. <i>Remote Sensing of Environment</i> , 2000 , 74, 570-581	13.2	204
22	Sap flow of three co-occurring Mediterranean woody species under varying atmospheric and soil water conditions. <i>Tree Physiology</i> , 2003 , 23, 747-58	4.2	83
21	Cell wall elasticity and Water Index (R970 nm/R900 nm) in wheat under different nitrogen availabilities. <i>International Journal of Remote Sensing</i> , 1996 , 17, 373-382	3.1	79
20	Assessment of grape yield and composition using the reflectance based Water Index in Mediterranean rainfed vineyards. <i>Remote Sensing of Environment</i> , 2012 , 118, 249-258	13.2	55
19	Effects of leaf structure on reflectance estimates of chlorophyll content. <i>International Journal of Remote Sensing</i> , 2008 , 29, 5265-5274	3.1	43
18	Some physiological and growth responses of kiwi fruit (<i>Actinidia chinensis</i>) to flooding. <i>Physiologia Plantarum</i> , 1986 , 66, 75-78	4.6	42
17	Changes in Leaf Osmotic and Elastic Properties and Canopy Structure of Strawberries under Mild Water Stress. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1993 , 28, 925-927	4.4	41
16	Assessing vineyard water status using the reflectance based Water Index. <i>Agriculture, Ecosystems and Environment</i> , 2010 , 139, 490-499	5.7	40
15	Tissue-water relations of two co-occurring evergreen Mediterranean species in response to seasonal and experimental drought conditions. <i>Journal of Plant Research</i> , 2005 , 118, 263-9	2.6	37
14	ESTIMATION OF CANOPY PHOTOSYNTHETIC AND NONPHOTOSYNTHETIC COMPONENTS FROM SPECTRAL TRANSMITTANCE. <i>Ecology</i> , 2000 , 81, 3149-3162	4.6	32
13	Remotely measured canopy temperature of greenhouse strawberries as indicator of water status and yield under mild and very mild water stress conditions. <i>Agricultural and Forest Meteorology</i> , 1992 , 58, 63-77	5.8	32
12	Diverse Optical and Photosynthetic Properties in a Neotropical Dry Forest during the Dry Season: Implications for Remote Estimation of Photosynthesis1. <i>Biotropica</i> , 2005 , 37, 547-560	2.3	31
11	Contribution of physiological and morphological adjustments to drought resistance in two Mediterranean tree species. <i>Biologia Plantarum</i> , 2005 , 49, 551-559	2.1	29
10	Effects of irrigation regimes on the yield and water use of strawberry. <i>Irrigation Science</i> , 1992 , 13, 45	3.1	26

9	Assessing forest structure and function from spectral transmittance measurements: a case study in a Mediterranean holm oak forest. <i>Tree Physiology</i> , 2005 , 25, 67-74	4.2	18
8	Population dynamics of <i>Meloidogyne incognita</i> on cucumber grafted onto the Cucurbita hybrid RS841 or ungrafted and yield losses under protected cultivation. <i>European Journal of Plant Pathology</i> , 2017 , 148, 795-805	2.1	16
7	Estimation of leaf area with an integrating sphere. <i>Tree Physiology</i> , 1997 , 17, 571-576	4.2	16
6	Hemp Yields and Its Rotation Effects on Wheat under Rainfed Mediterranean Conditions. <i>Agronomy Journal</i> , 2017 , 109, 1551-1560	2.2	11
5	Use of consumer-grade cameras to assess wheat N status and grain yield. <i>PLoS ONE</i> , 2019 , 14, e0211889	3.7	10
4	Assessment of Grape Yield and Composition Using Reflectance-Based Indices in Rainfed Vineyards. <i>Agronomy Journal</i> , 2014 , 106, 1309-1316	2.2	4
3	ASSESSING PETIOLE IRON CONTENT IN VITIS VINIFERA CHARDONNAY USING REFLECTANCE BASED HYPERSPECTRAL INDICES. <i>Acta Horticulturae</i> , 2013 , 101-105	0.3	3
2	IS PCD A RELIABLE INDICATOR OF BERRY QUALITY ATTRIBUTES IN WATER STRESSED VINEYARDS?. <i>Acta Horticulturae</i> , 2013 , 85-92	0.3	2
1	Use of Reflectance Indices to Assess Vine Water Status under Mild to Moderate Water Deficits. <i>Agronomy</i> , 2019 , 9, 346	3.6	1