Jos Rafael Marques da Silva

List of Publications by Year in Descending Order

53 papers	1,419 citations	15 h-index	37 g-index
59 ext. papers	1,633 ext. citations	5 avg, IF	4.56 L-index

#	Paper	IF	Citations
53	Current Skills of Students and Their Expected Future Training Needs on Precision Agriculture: Evidence from Euro-Mediterranean Higher Education Institutes. *Agronomy*, **2022**, 12, 269	3.6	2
52	Use of Sentinel-2 Satellite for Spatially Variable Rate Fertiliser Management in a Sicilian Vineyard. *Sustainability*, **2022**, 14, 1688	3.6	1
51	Management Zones in Pastures Based on Soil Apparent Electrical Conductivity and Altitude: NDVI, Soil and Biomass Sampling Validation. *Agronomy*, **2022**, 12, 778	3.6	1
50	A Technological Approach to Support Extensive Livestock Management in the Portuguese Montado Ecosystem. *Agronomy*, **2022**, 12, 1212	3.6	1
49	Differential Interferometry over Sentinel-1 TopSAR Images as a Tool for Water and Tillage Soil Erosion Analysis. *Agronomy*, **2021**, 11, 2075	3.6	2
48	Modelling seasonal pasture growth and botanical composition at the paddock scale with satellite imagery. *In Silico Plants*, **2021**, 3,	3.2	3
47	Evaluation of Near Infrared Spectroscopy (NIRS) for Estimating Soil Organic Matter and Phosphorus in Mediterranean Montado Ecosystem. *Sustainability*, **2021**, 13, 2734	3.6	2
46	Which are the best practices for MSc programmes in sustainable agriculture?. *Journal of Cleaner Production*, **2021**, 303, 126914	10.3	5
45	Spatiotemporal Patterns of Pasture Quality Based on NDVI Time-Series in Mediterranean Montado Ecosystem. *Remote Sensing*, **2021**, 13, 3820	5	5
44	Sentinel-2 Image Scene Classification: A Comparison between Sen2Cor and a Machine Learning Approach. *Remote Sensing*, **2021**, 13, 300	5	12
43	Evaluation of the Effect of Dolomitic Lime Application on Pastures□Case Study in the Montado Mediterranean Ecosystem. *Sustainability*, **2020**, 12, 3758	3.6	7
42	Climate Changes Challenges to the Management of Mediterranean Montado Ecosystem: Perspectives for Use of Precision Agriculture Technologies. *Agronomy*, **2020**, 10, 218	3.6	9
41	Estimation of Productivity in Dryland Mediterranean Pastures: Long-Term Field Tests to Calibration and Validation of the Grassmaster II Probe. *AgriEngineering*, **2020**, 2, 240-255	2.2	2
40	Evaluation of Near Infrared Spectroscopy (NIRS) and Remote Sensing (RS) for Estimating Pasture Quality in Mediterranean Montado Ecosystem. *Applied Sciences (Switzerland)*, **2020**, 10, 4463	2.6	6
39	Mapping Management Zones Based on Soil Apparent Electrical Conductivity and Remote Sensing for Implementation of Variable Rate Irrigation□Case Study of Corn under a Center Pivot. *Water (Switzerland)*, **2020**, 12, 3427	3	4
38	Evaluation of Normalized Difference Water Index as a Tool for Monitoring Pasture Seasonal and Inter-Annual Variability in a Mediterranean Agro-Silvo-Pastoral System. *Water (Switzerland)*, **2019**, 11, 62	3	41
37	Evaluation of Fire Severity Indices Based on Pre- and Post-Fire Multispectral Imagery Sensed from UAV. *Remote Sensing*, **2019**, 11, 993	5	29

36	Relationship between soil apparent electrical conductivity and forage yield in temperate pastures according to nitrogen availability and growing season. *Crop and Pasture Science*, **2019**, 70, 908	2.2	3
35	Integration of Soil Electrical Conductivity and Indices Obtained through Satellite Imagery for Differential Management of Pasture Fertilization. *AgriEngineering*, **2019**, 1, 567-585	2.2	11
34	A Holistic Approach to the Evaluation of the Montado Ecosystem Using Proximal Sensors. *Sensors*, **2018**, 18,	3.8	6
33	Monitoring Seasonal Pasture Quality Degradation in the Mediterranean Montado Ecosystem: Proximal versus Remote Sensing. *Water (Switzerland)*, **2018**, 10, 1422	3	21
32	Above-ground biomass estimation for Quercus rotundifolia using vegetation indices derived from high spatial resolution satellite images. *European Journal of Remote Sensing*, **2018**, 51, 932-944	2.9	14
31	Delineation of management zones based on the Rasch model in an olive orchard. *Advances in Animal Biosciences*, **2017**, 8, 610-614	0.3	3
30	Assessment of the spatial variability in tall wheatgrass forage using LANDSAT 8 satellite imagery to delineate potential management zones. *Environmental Monitoring and Assessment*, **2016**, 188, 513	3.1	9
29	Tecnologia GNSS de baixo custo na monitorizaﾃ de ovinos em pastoreio. *Revista De Ciﾃncias Agrﾃrias*, **2016**, 39, 251-260		7
28	Calibration of GrassMaster II to estimate green and dry matter yield in Mediterranean pastures: effect of pasture moisture content. *Crop and Pasture Science*, **2016**, 67, 780	2.2	16
27	Monitoring pasture variability: optical OptRx( ) crop sensor versus Grassmaster II capacitance probe. *Environmental Monitoring and Assessment*, **2016**, 188, 117	3.1	12
26	Evaluation of vineyard growth under four irrigation regimes using vegetation and soil on-the-go sensors. *Soil*, **2015**, 1, 459-473	5.8	14
25	Agriculture pest and disease risk maps considering MSG satellite data and land surface temperature. *International Journal of Applied Earth Observation and Geoinformation*, **2015**, 38, 40-50	7.3	22
24	Biomass estimation with high resolution satellite images: A case study of Quercus rotundifolia. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 101, 69-79	11.8	34
23	Use of geophysical survey as a predictor of the edaphic properties variability in soils used for livestock production. *Spanish Journal of Agricultural Research*, **2015**, 13, e1103	1.1	7
22	Spatial and temporal patterns of potassium on grazed permanent pasturesﾐManagement challenges. *Agriculture, Ecosystems and Environment*, **2014**, 188, 29-39	5.7	10
21	Soil phosphorus retention in a Mediterranean pasture subjected to differential management. *European Journal of Soil Science*, **2014**, 65, 562-572	3.4	5
20	Spatial and temporal patterns of apparent electrical conductivity: DUALEM vs. Veris sensors for monitoring soil properties. *Sensors*, **2014**, 14, 10024-41	3.8	26
19	Apparent electrical conductivity in dry versus wet soil conditions in a shallow soil. *Precision Agriculture*, **2013**, 14, 99-114	5.6	13

18	Small scale soil variation and its effect on pasture yield in southern Portugal. *Geoderma*, **2013**, 195-196, 173-183	6.7	13
17	Yield potential probability maps using the Rasch model. *Biosystems Engineering*, **2012**, 111, 369-380	4.8	0
16	Spatial and temporal stability of soil phosphate concentration and pasture dry matter yield. *Precision Agriculture*, **2011**, 12, 214-232	5.6	8
15	Soil apparent electrical conductivity and geographically weighted regression for mapping soil. *Precision Agriculture*, **2011**, 12, 750-761	5.6	12
14	Calibration of a capacitance probe for measurement and mapping of dry matter yield in Mediterranean pastures. *Precision Agriculture*, **2011**, 12, 860-875	5.6	16
13	Mapping soil and pasture variability with an electromagnetic induction sensor. *Computers and Electronics in Agriculture*, **2010**, 73, 7-16	6.5	34
12	Delineation of management zones using mobile measurements of soil apparent electrical conductivity and multivariate geostatistical techniques. *Soil and Tillage Research*, **2010**, 106, 335-343	6.5	172
11	The yield pattern considering the distance to flow accumulation lines. *European Journal of Agronomy*, **2008**, 28, 551-558	5	3
10	Evaluation of spatial and temporal variability of pasture based on topography and the quality of the rainy season. *Precision Agriculture*, **2008**, 9, 209-229	5.6	16
9	Evaluation of the relationship between maize yield spatial and temporal variability and different topographic attributes. *Biosystems Engineering*, **2008**, 101, 183-190	4.8	27
8	The impact of agricultural soil erosion on the global carbon cycle. *Science*, **2007**, 318, 626-9	33.3	658
7	Analysis of the Spatial and Temporal Variability of Irrigated Maize Yield. *Biosystems Engineering*, **2006**, 94, 337-349	4.8	12
6	Relationship between Distance to Flow Accumulation Lines and Spatial Variability of Irrigated Maize Grain Yield and Moisture Content at Harvest. *Biosystems Engineering*, **2006**, 94, 525-533	4.8	14
5	Evaluation of Maize Yield Spatial Variability based on Field Flow Density. *Biosystems Engineering*, **2006**, 95, 339-347	4.8	10
4	Spatial Variability of Irrigated Corn Yield in Relation to Field Topography and Soil Chemical Characteristics. *Precision Agriculture*, **2005**, 6, 453-466	5.6	28
3	Implement and soil condition effects on tillage-induced erosion. *Soil and Tillage Research*, **2004**, 78, 207-216	2.5	15
2	Soil carbonation processes as evidence of tillage-induced erosion. *Soil and Tillage Research*, **2004**, 78, 217-224	6.5	10
1	Description standards of primary tillage implements. *Soil and Tillage Research*, **2000**, 57, 173-176	6.5	6