LuÃs PÃ¡dua

List of Publications by Year
in descending order

46 papers	**1,753** citations	516561 **16** h-index	414303 **32** g-index
46 all docs	**46** docs citations	**46** times ranked	**2143** citing authors

#	Article	IF	Citations
1	Hyperspectral Imaging: A Review on UAV-Based Sensors, Data Processing and Applications for Agriculture and Forestry. Remote Sensing, 2017, 9, 1110.	1.8	748
2	UAS, sensors, and data processing in agroforestry: a review towards practical applications. International Journal of Remote Sensing, 2017, 38, 2349-2391.	1.3	242
3	Forestry Remote Sensing from Unmanned Aerial Vehicles: A Review Focusing on the Data, Processing and Potentialities. Remote Sensing, 2020, 12, 1046.	1.8	136
4	mySense: A comprehensive data management environment to improve precision agriculture practices. Computers and Electronics in Agriculture, 2019, 162, 882-894.	3.7	68
5	Multi-Temporal Vineyard Monitoring through UAV-Based RGB Imagery. Remote Sensing, 2018, 10, 1907.	1.8	54
6	UAV-Based Automatic Detection and Monitoring of Chestnut Trees. Remote Sensing, 2019, 11, 855.	1.8	54
7	Vineyard Variability Analysis through UAV-Based Vigour Maps to Assess Climate Change Impacts. Agronomy, 2019, 9, 581.	1.3	48
8	Effectiveness of Sentinel-2 in Multi-Temporal Post-Fire Monitoring When Compared with UAV Imagery. ISPRS International Journal of Geo-Information, 2020, 9, 225.	1.4	34
9	Vineyard properties extraction combining UAS-based RGB imagery with elevation data. International Journal of Remote Sensing, 2018, 39, 5377-5401.	1.3	30
10	Individual Grapevine Analysis in a Multi-Temporal Context Using UAV-Based Multi-Sensor Imagery. Remote Sensing, 2020, 12, 139.	1.8	30
11	Multi-Temporal Analysis of Forestry and Coastal Environments Using UASs. Remote Sensing, 2018, 10, 24.	1.8	28
12	Automatic Grapevine Trunk Detection on UAV-Based Point Cloud. Remote Sensing, 2020, 12, 3043.	1.8	27
13	Very high resolution aerial data to support multi-temporal precision agriculture information management. Procedia Computer Science, 2017, 121, 407-414.	1.2	20
14	Vineyard classification using OBIA on UAV-based RGB and multispectral data: A case study in different wine regions. Computers and Electronics in Agriculture, 2022, 196, 106905.	3.7	20
15	MixAR Mobile Prototype: Visualizing Virtually Reconstructed Ancient Structures In Situ. Procedia Computer Science, 2015, 64, 852-861.	1.2	19
16	Water Hyacinth (Eichhornia crassipes) Detection Using Coarse and High Resolution Multispectral Data. Drones, 2022, 6, 47.	2.7	19
17	Monitoring of Chestnut Trees Using Machine Learning Techniques Applied to UAV-Based Multispectral Data. Remote Sensing, 2020, 12, 3032.	1.8	18
18	Evaluation of MS Kinect for Elderly Meal Intake Monitoring. Procedia Technology, 2014, 16, 1383-1390.	1.1	17

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19	Digital Reconstitution of Road Traffic Accidents: A Flexible Methodology Relying on UAV Surveying and Complementary Strategies to Support Multiple Scenarios. International Journal of Environmental Research and Public Health, 2020, 17, 1868.	1.2	15
20	An Efficient Method for Generating UAV-Based Hyperspectral Mosaics Using Push-Broom Sensors. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6515-6531.	2.3	15
21	QVigourMap: A GIS Open Source Application for the Creation of Canopy Vigour Maps. Agronomy, 2021, 11, 952.	1.3	14
22	A rapid prototyping tool to produce 360Â° video-based immersive experiences enhanced with virtual/multimedia elements. Procedia Computer Science, 2018, 138, 441-453.	1.2	12
23	Remote sensing image fusion on 3D scenarios: A review of applications for agriculture and forestry. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102856.	0.9	8
24	Cost-effective and Lightweight Mobile Units for MixAR: A Comparative Trial among Different Setups. Procedia Computer Science, 2015, 64, 870-878.	1.2	7
25	Deep Learning-Based Methodological Approach for Vineyard Early Disease Detection Using Hyperspectral Data. , 2018, , .		7
26	Machine learning classification methods in hyperspectral data processing for agricultural applications. , 2018, , .		6
27	Procedural Modeling of Buildings Composed of Arbitrarily-Shaped Floor-Plans: Background, Progress, Contributions and Challenges of a Methodology Oriented to Cultural Heritage. Computers, 2019, 8, 38.	2.1	6
28	VisWebDrone: A Web Application for UAV Photogrammetry Based on Open-Source Software. ISPRS International Journal of Geo-Information, 2020, 9, 679.	1.4	6
29	An efficient method for acquisition of spectral BRDFs in real-world scenarios. Computers and Graphics, 2021, , .	1.4	6
30	Digital Ampelographer: A CNN Based Preliminary Approach. Lecture Notes in Computer Science, 2019, , 258-271.	1.0	6
31	UAS-based imagery and photogrammetric processing for tree height and crown diameter extraction. , 2018, , .		5
32	MixAR. Journal of Information Technology Research, 2019, 12, 1-33.	0.3	5
33	Towards Modern Cost-effective and Lightweight Augmented Reality Setups. International Journal of Web Portals, 2015, 7, 33-59.	1.1	5
34	Vineyard Classification Using Machine Learning Techniques Applied to RGB-UAV Imagery. , 2020, , .		5
35	Prototyping IoT-Based Virtual Environments: An Approach toward the Sustainable Remote Management of Distributed Mulsemedia Setups. Applied Sciences (Switzerland), 2021, 11, 8854.	1.3	3
36	Classification of an Agrosilvopastoral System Using RGB Imagery from an Unmanned Aerial Vehicle. Lecture Notes in Computer Science, 2019, , 248-257.	1.0	3

#	Article	IF	Citations
37	Bringing together UAS-based land surveying and procedural modelling of buildings to set up enhanced VR environments for cultural heritage. , 2017, , .		2
38	Mysense-Webgis: A Graphical Map Layering-Based Decision Support Tool for Agriculture. , 2020, , .		2
39	Monitoring of Olive Trees Temperatures under Different Irrigation Strategies by UAV Thermal Infrared Imagery. , 2020, , .		2
40	Estimation of Leaf Area Index in Chestnut Trees using Multispectral Data from an Unmanned Aerial Vehicle. , 2020, , .		1
41	Terrace Vineyards Detection from UAV Imagery Using Machine Learning: A Preliminary Approach. Lecture Notes in Computer Science, 2021, , 16-26.	1.0	0
42	BRDF Sampling from Hyperspectral Images: A Proof of Concept. , 2021, , .		0
43	Virtual Environments & Precision Viticulture: A Case Study. , 2021, , .		0
44	Target Influence on Ground Control Points (GCPs) Identification in Aerial Images. , 2020, , .		0
45	Towards Modern Cost-Effective and Lightweight Augmented Reality Setups. , 0, , 396-423.		0
46	The New Paramotor Project: Flexibility at Low Cost to Overcome Main Limitations of Multi-Copters and Fixed-Wings UAVs. , 2020, , .		0