

# Ant3nio M R Sousa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6830990/publications.pdf>

Version: 2024-02-01

31  
papers

541  
citations

623574

14  
h-index

752573

20  
g-index

31  
all docs

31  
docs citations

31  
times ranked

658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blind Navigation Support System based on Microsoft Kinect. <i>Procedia Computer Science</i> , 2012, 14, 94-101.	1.2	77
2	UAV-Based Automatic Detection and Monitoring of Chestnut Trees. <i>Remote Sensing</i> , 2019, 11, 855.	1.8	54
3	Vineyard Variability Analysis through UAV-Based Vigour Maps to Assess Climate Change Impacts. <i>Agronomy</i> , 2019, 9, 581.	1.3	48
4	Processing discontinuous displacement fields by a spatio-temporal derivative technique. <i>Optics and Lasers in Engineering</i> , 2011, 49, 1402-1412.	2.0	37
5	Potential of Multi-temporal InSAR Techniques for Bridges and Dams Monitoring. <i>Procedia Technology</i> , 2014, 16, 834-841.	1.1	37
6	Effectiveness of Sentinel-2 in Multi-Temporal Post-Fire Monitoring When Compared with UAV Imagery. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 225.	1.4	34
7	Cross-Correlation and Differential Technique Combination to Determine Displacement Fields. <i>Strain</i> , 2011, 47, 87-98.	1.4	33
8	Vineyard properties extraction combining UAS-based RGB imagery with elevation data. <i>International Journal of Remote Sensing</i> , 2018, 39, 5377-5401.	1.3	30
9	Individual Grapevine Analysis in a Multi-Temporal Context Using UAV-Based Multi-Sensor Imagery. <i>Remote Sensing</i> , 2020, 12, 139.	1.8	30
10	Multi-Temporal Analysis of Forestry and Coastal Environments Using UASs. <i>Remote Sensing</i> , 2018, 10, 24.	1.8	28
11	Measuring displacement fields by cross-correlation and a differential technique: experimental validation. <i>Optical Engineering</i> , 2012, 51, 043602.	0.5	26
12	Very high resolution aerial data to support multi-temporal precision agriculture information management. <i>Procedia Computer Science</i> , 2017, 121, 407-414.	1.2	20
13	Monitoring of Chestnut Trees Using Machine Learning Techniques Applied to UAV-Based Multispectral Data. <i>Remote Sensing</i> , 2020, 12, 3032.	1.8	18
14	Digital Reconstitution of Road Traffic Accidents: A Flexible Methodology Relying on UAV Surveying and Complementary Strategies to Support Multiple Scenarios. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1868.	1.2	15
15	Deep Learning-Based Methodological Approach for Vineyard Early Disease Detection Using Hyperspectral Data. , 2018, , .		7
16	Traffic Sign Recognition for Autonomous Driving Robot. , 2014, , .		6
17	POST-FIRE FORESTRY RECOVERY MONITORING USING HIGH-RESOLUTION MULTISPECTRAL IMAGERY FROM UNMANNED AERIAL VEHICLES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W8, 301-305.	0.2	6
18	Digital Ampelographer: A CNN Based Preliminary Approach. <i>Lecture Notes in Computer Science</i> , 2019, , 258-271.	1.0	6

#	ARTICLE	IF	CITATIONS
19	The viStaMPS tool for visualization and manipulation of time series interferometric results. Computers and Geosciences, 2013, 52, 409-421.	2.0	5
20	Open-Source Indoor Navigation System Adapted to Users with Motor Disabilities. Procedia Computer Science, 2015, 67, 38-47.	1.2	5
21	UAS-based imagery and photogrammetric processing for tree height and crown diameter extraction. , 2018, , .		5
22	viStaMPS " A Collaborative Project for StaMPS-MTI Results Interpretation. Procedia Technology, 2014, 16, 842-848.	1.1	3
23	Classification of an Agrosilvopastoral System Using RGB Imagery from an Unmanned Aerial Vehicle. Lecture Notes in Computer Science, 2019, , 248-257.	1.0	3
24	MULTI-PURPOSE CHESTNUT CLUSTERS DETECTION USING DEEP LEARNING: A PRELIMINARY APPROACH. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W8, 1-7.	0.2	3
25	A cost-effective instrumented walkway for measuring ground reaction forces in rats to assess gait pattern. Measurement: Journal of the International Measurement Confederation, 2017, 103, 241-249.	2.5	2
26	USING VIRTUAL SCENARIOS TO PRODUCE MACHINE LEARNABLE ENVIRONMENTS FOR WILDFIRE DETECTION AND SEGMENTATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W8, 9-15.	0.2	2
27	Estimation of Leaf Area Index in Chestnut Trees using Multispectral Data from an Unmanned Aerial Vehicle. , 2020, , .		1
28	Terrace Vineyards Detection from UAV Imagery Using Machine Learning: A Preliminary Approach. Lecture Notes in Computer Science, 2021, , 16-26.	1.0	0
29	viStaMPS - The InSAR Collaborative Project. , 2015, , .		0
30	Grapevine Varieties Classification Using Machine Learning. Lecture Notes in Computer Science, 2019, , 186-199.	1.0	0
31	Identifica3o aut3noma de sinais de transito num sistema de mapeamento m3vel. , 0, , 684-704.		0