

Emanuel Peres

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

2,139
citations

361296

20
h-index

233338

45
g-index

93
all docs

93
docs citations

93
times ranked

2599
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral Imaging: A Review on UAV-Based Sensors, Data Processing and Applications for Agriculture and Forestry. <i>Remote Sensing</i> , 2017, 9, 1110.	1.8	748
2	UAS, sensors, and data processing in agroforestry: a review towards practical applications. <i>International Journal of Remote Sensing</i> , 2017, 38, 2349-2391.	1.3	242
3	Forestry Remote Sensing from Unmanned Aerial Vehicles: A Review Focusing on the Data, Processing and Potentialities. <i>Remote Sensing</i> , 2020, 12, 1046.	1.8	136
4	Automatic detection of bunches of grapes in natural environment from color images. <i>Journal of Applied Logic</i> , 2012, 10, 285-290.	1.1	87
5	mySense: A comprehensive data management environment to improve precision agriculture practices. <i>Computers and Electronics in Agriculture</i> , 2019, 162, 882-894.	3.7	68
6	Smartphone Applications Targeting Precision Agriculture Practices—A Systematic Review. <i>Agronomy</i> , 2020, 10, 855.	1.3	61
7	The use of mobile devices with multi-tag technologies for an overall contextualized vineyard management. <i>Computers and Electronics in Agriculture</i> , 2010, 73, 154-164.	3.7	58
8	Multi-Temporal Vineyard Monitoring through UAV-Based RGB Imagery. <i>Remote Sensing</i> , 2018, 10, 1907.	1.8	54
9	UAV-Based Automatic Detection and Monitoring of Chestnut Trees. <i>Remote Sensing</i> , 2019, 11, 855.	1.8	54
10	Vineyard Variability Analysis through UAV-Based Vigour Maps to Assess Climate Change Impacts. <i>Agronomy</i> , 2019, 9, 581.	1.3	48
11	New Interaction Paradigms to Fight the Digital Divide: A Pilot Case Study Regarding Multi-Touch Technology. <i>Procedia Computer Science</i> , 2012, 14, 128-137.	1.2	34
12	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
13	An autonomous intelligent gateway infrastructure for in-field processing in precision viticulture. <i>Computers and Electronics in Agriculture</i> , 2011, 78, 176-187.	3.7	33
14	The Recognition of Web Pages' Hyperlinks by People with Intellectual Disabilities: An Evaluation Study. <i>Journal of Applied Research in Intellectual Disabilities</i> , 2012, 25, 542-552.	1.3	31
15	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
16	Individual Grapevine Analysis in a Multi-Temporal Context Using UAV-Based Multi-Sensor Imagery. <i>Remote Sensing</i> , 2020, 12, 139.	1.8	30
17	A framework for wireless sensor networks management for precision viticulture and agriculture based on IEEE 1451 standard. <i>Computers and Electronics in Agriculture</i> , 2013, 95, 19-30.	3.7	29
18	Multi-Temporal Analysis of Forestry and Coastal Environments Using UASs. <i>Remote Sensing</i> , 2018, 10, 24.	1.8	28

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19	A Versatile, Low-Power and Low-Cost IoT Device for Field Data Gathering in Precision Agriculture Practices. Agriculture (Switzerland), 2021, 11, 619.	1.4	25
20	Very high resolution aerial data to support multi-temporal precision agriculture information management. Procedia Computer Science, 2017, 121, 407-414.	1.2	20
21	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
22	MixAR Mobile Prototype: Visualizing Virtually Reconstructed Ancient Structures In Situ. Procedia Computer Science, 2015, 64, 852-861.	1.2	19
23	Monitoring of Chestnut Trees Using Machine Learning Techniques Applied to UAV-Based Multispectral Data. Remote Sensing, 2020, 12, 3032.	1.8	18
24	Unmanned Aerial Systems (UAS) for environmental applications special issue preface. International Journal of Remote Sensing, 2018, 39, 4845-4851.	1.3	17
25	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
26	Distributed monitoring system for precision enology of the Tawny Port wine aging process. Computers and Electronics in Agriculture, 2018, 145, 92-104.	3.7	12
27	A rapid prototyping tool to produce 360° video-based immersive experiences enhanced with virtual/multimedia elements. Procedia Computer Science, 2018, 138, 441-453.	1.2	12
28	Helping Older People: Is there an App for that?. Procedia Computer Science, 2016, 100, 118-127.	1.2	10
29	Proposal of an Information System for an Adaptive Mixed Reality System for Archaeological Sites. Procedia Technology, 2014, 16, 499-507.	1.1	9
30	Geohazards Monitoring and Assessment Using Multi-Source Earth Observation Techniques. Remote Sensing, 2021, 13, 4269.	1.8	9
31	Procedural Generation of Traversable Buildings Outlined by Arbitrary Convex Shapes. Procedia Technology, 2014, 16, 310-321.	1.1	8
32	Cost-effective and Lightweight Mobile Units for MixAR: A Comparative Trial among Different Setups. Procedia Computer Science, 2015, 64, 870-878.	1.2	7
33	Ontology-based Procedural Modelling of Traversable Buildings Composed by Arbitrary Shapes. SpringerBriefs in Computer Science, 2016, , .	0.2	7
34	Deep Learning-Based Methodological Approach for Vineyard Early Disease Detection Using Hyperspectral Data. , 2018, , .		7
35	Grapevine Variety Identification Through Grapevine Leaf Images Acquired in Natural Environment. , 2021, , .		7
36	Machine learning classification methods in hyperspectral data processing for agricultural applications. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
37	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
38	VisWebDrone: A Web Application for UAV Photogrammetry Based on Open-Source Software. ISPRS International Journal of Geo-Information, 2020, 9, 679.	1.4	6
39	POST-FIRE FORESTRY RECOVERY MONITORING USING HIGH-RESOLUTION MULTISPECTRAL IMAGERY FROM UNMANNED AERIAL VEHICLES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W8, 301-305.	0.2	6
40	Teaching Fourier Series Expansions in Undergraduate Education with the Help of the FouSE Android Application. International Journal of Interactive Mobile Technologies, 2014, 8, 26.	0.7	6
41	Digital Ampelographer: A CNN Based Preliminary Approach. Lecture Notes in Computer Science, 2019, , 258-271.	1.0	6
42	Contextualized Ubiquity: A new opportunity for rendering business information and services. Journal of Theoretical and Applied Electronic Commerce Research, 2010, 5, .	3.1	5
43	Project Management Success I-C-E Model “ A Work in Progress. Procedia Technology, 2013, 9, 910-914.	1.1	5
44	UAS-based imagery and photogrammetric processing for tree height and crown diameter extraction. , 2018, , .		5
45	MixAR. Journal of Information Technology Research, 2019, 12, 1-33.	0.3	5
46	Towards Modern Cost-effective and Lightweight Augmented Reality Setups. International Journal of Web Portals, 2015, 7, 33-59.	1.1	5
47	Vineyard Classification Using Machine Learning Techniques Applied to RGB-UAV Imagery. , 2020, , .		5
48	VineInspector: The Vineyard Assistant. Agriculture (Switzerland), 2022, 12, 730.	1.4	5
49	Web Accessibility and Digital Businesses: The Potential Economic Value of Portuguese People with Disability. Procedia Computer Science, 2012, 14, 56-64.	1.2	4
50	A Myographic-based HCI Solution Proposal for Upper Limb Amputees. Procedia Computer Science, 2016, 100, 2-13.	1.2	4
51	UAS-based photogrammetry of cultural heritage sites. , 2018, , .		4
52	Prototyping IoT-Based Virtual Environments: An Approach toward the Sustainable Remote Management of Distributed Mulsemmedia Setups. Applied Sciences (Switzerland), 2021, 11, 8854.	1.3	3
53	Classification of an Agrosilvopastoral System Using RGB Imagery from an Unmanned Aerial Vehicle. Lecture Notes in Computer Science, 2019, , 248-257.	1.0	3
54	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

#	ARTICLE	IF	CITATIONS
55	Internet-based collaborative E-exercisebook system for primary math teaching. , 2011, , .		2
56	Proposal of an Information System for a Semi-automatic Virtual Reconstruction of Archeological Sites. Procedia Technology, 2012, 5, 566-574.	1.1	2
57	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
58	Bringing together UAS-based land surveying and procedural modelling of buildings to set up enhanced VR environments for cultural heritage. , 2017, , .		2
59	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
60	Mysense-Webgis: A Graphical Map Layering-Based Decision Support Tool for Agriculture. , 2020, , .		2
61	A survey on HDR visualization on mobile devices. , 2012, , .		1
62	Teaching of Fourier series expansions in undergraduate education. , 2013, , .		1
63	A pilot digital image processing approach for detecting vineyard parcels in Douro region through high-resolution aerial imagery. , 2018, , .		1
64	Mapping seaweed beds using multispectral imagery retrieved by unmanned aerial vehicles. Frontiers in Marine Science, 0, 6, .	1.2	1
65	EVALUATION OF MACHINE LEARNING TECHNIQUES IN VINE LEAVES DISEASE DETECTION: A PRELIMINARY CASE STUDY ON FLAVESCENCE DORÃE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W8, 151-156.	0.2	1
66	Estimation of Leaf Area Index in Chestnut Trees using Multispectral Data from an Unmanned Aerial Vehicle. , 2020, , .		1
67	Identifying different visual patterns in web users behaviour. , 2013, , .		0
68	Ontologies and Procedural Modelling. SpringerBriefs in Computer Science, 2016, , 11-35.	0.2	0
69	Precision enology in Tawny Port wine aging process: Monitoring barrel to barrel variation in oxygen, temperature and redox potential. BIO Web of Conferences, 2019, 15, 02026.	0.1	0
70	Virtual Environments & Precision Viticulture: A Case Study. , 2021, , .		0
71	Ubiquitous System for Events Promotion. Communications of the IBIMA, 2010, , 1-10.	0.3	0
72	Foundations for a Mobile Context-Aware Advertising System. Communications in Computer and Information Science, 2011, , 51-61.	0.4	0

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73	Framework for Collaborative 3D Urban Environments. Communications in Computer and Information Science, 2011, , 19-28.	0.4	0
74	FouSE: An Android Tool to Help in the Teaching of Fourier Series Expansions in Undergraduate Education. , 2013, , .		0
75	Generation of Virtual Buildings Composed by Arbitrary Shapes. SpringerBriefs in Computer Science, 2016, , 83-100.	0.2	0
76	Procedural Modelling Methodology Evaluation. SpringerBriefs in Computer Science, 2016, , 101-114.	0.2	0
77	Generation of Virtual Buildings Formed by Rectangles. SpringerBriefs in Computer Science, 2016, , 49-62.	0.2	0
78	Procedural Modelling Methodology Overview. SpringerBriefs in Computer Science, 2016, , 37-47.	0.2	0
79	PROPOSAL OF A MODEL FOR THE SUCCESSFUL IMPLEMENTATION OF E-LEARNING AT THE UNIVERSITY OF TRÁS-OS-MONTES E ALTO DOURO. EDULEARN Proceedings, 2017, , .	0.0	0
80	Reconstructing the Past. Advances in Hospitality, Tourism and the Services Industry, 2018, , 140-172.	0.2	0
81	Grapevine Varieties Classification Using Machine Learning. Lecture Notes in Computer Science, 2019, , 186-199.	1.0	0
82	IMPLEMENTATION OF E-LEARNING AT THE UNIVERSITY OF TRÁS-OS-MONTES E ALTO DOURO: STUDENTS' PERSPECTIVES. , 2019, , .		0
83	Target Influence on Ground Control Points (GCPs) Identification in Aerial Images. , 2020, , .		0
84	Towards Modern Cost-Effective and Lightweight Augmented Reality Setups. , 0, , 396-423.		0
85	Location Based E-commerce System. , 0, , 881-892.		0