

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	Vineyard classification using OBIA on UAV-based RGB and multispectral data: A case study in different wine regions. <i>Computers and Electronics in Agriculture</i> , 2022, 196, 106905.	3.7	20
2	VineInspector: The Vineyard Assistant. <i>Agriculture (Switzerland)</i> , 2022, 12, 730.	1.4	5
3	A Versatile, Low-Power and Low-Cost IoT Device for Field Data Gathering in Precision Agriculture Practices. <i>Agriculture (Switzerland)</i> , 2021, 11, 619.	1.4	25
4	Prototyping IoT-Based Virtual Environments: An Approach toward the Sustainable Remote Management of Distributed Mulsemmedia Setups. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8854.	1.3	3
5	Grapevine Variety Identification Through Grapevine Leaf Images Acquired in Natural Environment. , 2021, , .		7
6	Virtual Environments & Precision Viticulture: A Case Study. , 2021, , .		0
7	Geohazards Monitoring and Assessment Using Multi-Source Earth Observation Techniques. <i>Remote Sensing</i> , 2021, 13, 4269.	1.8	9
8	Monitoring of Chestnut Trees Using Machine Learning Techniques Applied to UAV-Based Multispectral Data. <i>Remote Sensing</i> , 2020, 12, 3032.	1.8	18
9	VisWebDrone: A Web Application for UAV Photogrammetry Based on Open-Source Software. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 679.	1.4	6
10	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
11	Smartphone Applications Targeting Precision Agriculture Practices—A Systematic Review. <i>Agronomy</i> , 2020, 10, 855.	1.3	61
12	Individual Grapevine Analysis in a Multi-Temporal Context Using UAV-Based Multi-Sensor Imagery. <i>Remote Sensing</i> , 2020, 12, 139.	1.8	30
13	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
14	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
15	Target Influence on Ground Control Points (GCPs) Identification in Aerial Images. , 2020, , .		0
16	Estimation of Leaf Area Index in Chestnut Trees using Multispectral Data from an Unmanned Aerial Vehicle. , 2020, , .		1
17	Vineyard Classification Using Machine Learning Techniques Applied to RGB-UAV Imagery. , 2020, , .		5
18	Mysense-Webgis: A Graphical Map Layering-Based Decision Support Tool for Agriculture. , 2020, , .		2

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19	Precision enology in Tawny Port wine aging process: Monitoring barrel to barrel variation in oxygen, temperature and redox potential. <i>BIO Web of Conferences</i> , 2019, 15, 02026.	0.1	0
20	Vineyard Variability Analysis through UAV-Based Vigour Maps to Assess Climate Change Impacts. <i>Agronomy</i> , 2019, 9, 581.	1.3	48
21	Procedural Modeling of Buildings Composed of Arbitrarily-Shaped Floor-Plans: Background, Progress, Contributions and Challenges of a Methodology Oriented to Cultural Heritage. <i>Computers</i> , 2019, 8, 38.	2.1	6
22	UAV-Based Automatic Detection and Monitoring of Chestnut Trees. <i>Remote Sensing</i> , 2019, 11, 855.	1.8	54
23	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
24	MixAR. <i>Journal of Information Technology Research</i> , 2019, 12, 1-33.	0.3	5
25	Classification of an Agrosilvopastoral System Using RGB Imagery from an Unmanned Aerial Vehicle. <i>Lecture Notes in Computer Science</i> , 2019, , 248-257.	1.0	3
26	Grapevine Varieties Classification Using Machine Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 186-199.	1.0	0
27	Digital Ampelographer: A CNN Based Preliminary Approach. <i>Lecture Notes in Computer Science</i> , 2019, , 258-271.	1.0	6
28	IMPLEMENTATION OF E-LEARNING AT THE UNIVERSITY OF TRÁS-OS-MONTES E ALTO DOURO: STUDENTS' PERSPECTIVES. , 2019, , .		0
29	Distributed monitoring system for precision enology of the Tawny Port wine aging process. <i>Computers and Electronics in Agriculture</i> , 2018, 145, 92-104.	3.7	12
30	Multi-Temporal Vineyard Monitoring through UAV-Based RGB Imagery. <i>Remote Sensing</i> , 2018, 10, 1907.	1.8	54
31	A rapid prototyping tool to produce 360° video-based immersive experiences enhanced with virtual/multimedia elements. <i>Procedia Computer Science</i> , 2018, 138, 441-453.	1.2	12
32	Deep Learning-Based Methodological Approach for Vineyard Early Disease Detection Using Hyperspectral Data. , 2018, , .		7
33	UAS-based photogrammetry of cultural heritage sites. , 2018, , .		4
34	UAS-based imagery and photogrammetric processing for tree height and crown diameter extraction. , 2018, , .		5
35	Machine learning classification methods in hyperspectral data processing for agricultural applications. , 2018, , .		6
36	Multi-Temporal Analysis of Forestry and Coastal Environments Using UASs. <i>Remote Sensing</i> , 2018, 10, 24.	1.8	28

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37	Vineyard properties extraction combining UAS-based RGB imagery with elevation data. International Journal of Remote Sensing, 2018, 39, 5377-5401.	1.3	30
38	A pilot digital image processing approach for detecting vineyard parcels in Douro region through high-resolution aerial imagery. , 2018, , .		1
39	Unmanned Aerial Systems (UAS) for environmental applications special issue preface. International Journal of Remote Sensing, 2018, 39, 4845-4851.	1.3	17
40	Reconstructing the Past. Advances in Hospitality, Tourism and the Services Industry, 2018, , 140-172.	0.2	0
41	UAS, sensors, and data processing in agroforestry: a review towards practical applications. International Journal of Remote Sensing, 2017, 38, 2349-2391.	1.3	242
42	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
43	Bringing together UAS-based land surveying and procedural modelling of buildings to set up enhanced VR environments for cultural heritage. , 2017, , .		2
44	Very high resolution aerial data to support multi-temporal precision agriculture information management. Procedia Computer Science, 2017, 121, 407-414.	1.2	20
45	Hyperspectral Imaging: A Review on UAV-Based Sensors, Data Processing and Applications for Agriculture and Forestry. Remote Sensing, 2017, 9, 1110.	1.8	748
46	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
47	Ontology-based Procedural Modelling of Traversable Buildings Composed by Arbitrary Shapes. SpringerBriefs in Computer Science, 2016, , .	0.2	7
48	Ontologies and Procedural Modelling. SpringerBriefs in Computer Science, 2016, , 11-35.	0.2	0
49	A Myographic-based HCI Solution Proposal for Upper Limb Amputees. Procedia Computer Science, 2016, 100, 2-13.	1.2	4
50	Helping Older People: Is there an App for that?. Procedia Computer Science, 2016, 100, 118-127.	1.2	10
51	Generation of Virtual Buildings Composed by Arbitrary Shapes. SpringerBriefs in Computer Science, 2016, , 83-100.	0.2	0
52	Procedural Modelling Methodology Evaluation. SpringerBriefs in Computer Science, 2016, , 101-114.	0.2	0
53	Generation of Virtual Buildings Formed by Rectangles. SpringerBriefs in Computer Science, 2016, , 49-62.	0.2	0
54	Procedural Modelling Methodology Overview. SpringerBriefs in Computer Science, 2016, , 37-47.	0.2	0

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55	Cost-effective and Lightweight Mobile Units for MixAR: A Comparative Trial among Different Setups. <i>Procedia Computer Science</i> , 2015, 64, 870-878.	1.2	7
56	MixAR Mobile Prototype: Visualizing Virtually Reconstructed Ancient Structures In Situ. <i>Procedia Computer Science</i> , 2015, 64, 852-861.	1.2	19
57	Towards Modern Cost-effective and Lightweight Augmented Reality Setups. <i>International Journal of Web Portals</i> , 2015, 7, 33-59.	1.1	5
58	Proposal of an Information System for an Adaptive Mixed Reality System for Archaeological Sites. <i>Procedia Technology</i> , 2014, 16, 499-507.	1.1	9
59	Procedural Generation of Traversable Buildings Outlined by Arbitrary Convex Shapes. <i>Procedia Technology</i> , 2014, 16, 310-321.	1.1	8
60	Teaching Fourier Series Expansions in Undergraduate Education with the Help of the FouSE Android Application. <i>International Journal of Interactive Mobile Technologies</i> , 2014, 8, 26.	0.7	6
61	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
62	Project Management Success I-C-E Model "A Work in Progress. <i>Procedia Technology</i> , 2013, 9, 910-914.	1.1	5
63	Identifying different visual patterns in web users behaviour. , 2013, , .		0
64	Teaching of Fourier series expansions in undergraduate education. , 2013, , .		1
65	FouSE: An Android Tool to Help in the Teaching of Fourier Series Expansions in Undergraduate Education. , 2013, , .		0
66	A survey on HDR visualization on mobile devices. , 2012, , .		1
67	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
68	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
69	Proposal of an Information System for a Semi-automatic Virtual Reconstruction of Archeological Sites. <i>Procedia Technology</i> , 2012, 5, 566-574.	1.1	2
70	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
71	Web Accessibility and Digital Businesses: The Potential Economic Value of Portuguese People with Disability. <i>Procedia Computer Science</i> , 2012, 14, 56-64.	1.2	4
72	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

#	ARTICLE	IF	CITATIONS
73	Internet-based collaborative E-exercisebook system for primary math teaching. , 2011, , .		2
74	Foundations for a Mobile Context-Aware Advertising System. Communications in Computer and Information Science, 2011, , 51-61.	0.4	0
75	Framework for Collaborative 3D Urban Environments. Communications in Computer and Information Science, 2011, , 19-28.	0.4	0
76	The use of mobile devices with multi-tag technologies for an overall contextualized vineyard management. Computers and Electronics in Agriculture, 2010, 73, 154-164.	3.7	58
77	Contextualized Ubiquity: A new opportunity for rendering business information and services. Journal of Theoretical and Applied Electronic Commerce Research, 2010, 5, .	3.1	5
78	Ubiquitous System for Events Promotion. Communications of the IBIMA, 2010, , 1-10.	0.3	0
79	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
80	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
81	Mapping seaweed beds using multispectral imagery retrieved by unmanned aerial vehicles. Frontiers in Marine Science, 0, 6, .	1.2	1
82	EVALUATION OF MACHINE LEARNING TECHNIQUES IN VINE LEAVES DISEASE DETECTION: A PRELIMINARY CASE STUDY ON FLAVESCENCE DORÉE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W8, 151-156.	0.2	1
83	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
84	Towards Modern Cost-Effective and Lightweight Augmented Reality Setups. , 0, , 396-423.		0
85	Location Based E-commerce System. , 0, , 881-892.		0