Emanuele Frontoni

List of Publications by Citations

217 papers	2,198 citations	22 h-index	37 g-index
254 ext. papers	3,025 ext. citations	3 avg, IF	5.62 L-index

#	Paper	IF	Citations
217	A Survey of Augmented, Virtual, and Mixed Reality for Cultural Heritage. *Journal on Computing and Cultural Heritage*, **2018**, 11, 1-36	1.8	237
216	A Vision-Based Guidance System for UAV Navigation and Safe Landing using Natural Landmarks. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2010**, 57, 233-257	2.9	114
215	Performance evaluation of automated approaches to building detection in multi-source aerial data. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2010**, 65, 123-133	11.8	66
214	Point Cloud Semantic Segmentation Using a Deep Learning Framework for Cultural Heritage. *Remote Sensing*, **2020**, 12, 1005	5	56
213	Machine Learning approach for Predictive Maintenance in Industry 4.0 **2018**,		54
212	Robust and affordable retail customer profiling by vision and radio beacon sensor fusion. *Pattern Recognition Letters*, **2016**, 81, 30-40	4.7	47
211	Hybrid object-based approach for land use/land cover mapping using high spatial resolution imagery. *International Journal of Geographical Information Science*, **2011**, 25, 1025-1043	4.1	44
210	A sequential deep learning application for recognising human activities in smart homes. *Neurocomputing*, **2020**, 396, 501-513	5.4	44
209	Discovering the Type 2 Diabetes in Electronic Health Records Using the Sparse Balanced Support Vector Machine. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 235-246	7.2	36
208	Machine learning-based design support system for the prediction of heterogeneous machine parameters in industry 4.0. *Expert Systems With Applications*, **2020**, 140, 112869	7.8	31
207	SOPHIA: An Event-Based IoT and Machine Learning Architecture for Predictive Maintenance in Industry 4.0. *Information (Switzerland)*, **2020**, 11, 202	2.6	30
206	A Smart Sensing Architecture for Domestic Monitoring: Methodological Approach and Experimental Validation. *Sensors*, **2018**, 18,	3.8	30
205	A Visual Global Positioning System for Unmanned Aerial Vehicles Used in Photogrammetric Applications. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2011**, 61, 157-168	2.9	30
204	eTourism: ICT and its role for tourism management. *Journal of Hospitality and Tourism Technology*, **2019**, 10, 90-106	4.2	29
203	The Use of Augmented Reality Glasses for the Application in Industry 4.0. *Lecture Notes in Computer Science*, **2017**, 389-401	0.9	27
202	Virtual reconstruction of archaeological heritage using a combination of photogrammetric techniques: Huaca Arco Iris, Chan Chan, Peru. *Digital Applications in Archaeology and Cultural Heritage*, **2016**, 3, 80-90	2.1	26
201	Deep Learning for Soil and Crop Segmentation from Remotely Sensed Data. *Remote Sensing*, **2019**, 11, 1859	5	25

200	Feature group matching for appearance-based localization **2008**,		25
199	Shopper Analytics: A Customer Activity Recognition System Using a Distributed RGB-D Camera Network. *Lecture Notes in Computer Science*, **2014**, 146-157	0.9	25
198	Augmented Reality Experience: From High-Resolution Acquisition to Real Time Augmented Contents. *Advances in Multimedia*, **2014**, 2014, 1-9	0.9	24
197	Robotic retail surveying by deep learning visual and textual data. *Robotics and Autonomous Systems*, **2019**, 118, 179-188	3.5	23
196	Multidisciplinary Pattern Recognition applications: A review. *Computer Science Review*, **2020**, 37, 100276	8.3	22
195	A business application of RTLS technology in Intelligent Retail Environment: Defining the shopper's preferred path and its segmentation. *Journal of Retailing and Consumer Services*, **2019**, 47, 184-194	8.5	22
194	Mechatronic System to Help Visually Impaired Users During Walking and Running. *IEEE Transactions on Intelligent Transportation Systems*, **2018**, 19, 649-660	6.1	21
193	Modelling and Forecasting Customer Navigation in Intelligent Retail Environments. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2018**, 91, 165-180	2.9	21
192	Automatic Analysis of Eye-Tracking Data for Augmented Reality Applications: A Prospective Outlook. *Lecture Notes in Computer Science*, **2016**, 217-230	0.9	21
191	Convolutional Networks for Semantic Heads Segmentation using Top-View Depth Data in Crowded Environment **2018**,		21
190	Mobile robot for retail surveying and inventory using visual and textual analysis of monocular pictures based on deep learning **2017**,		20
189	Preterm Infants' Pose Estimation With Spatio-Temporal Features. *IEEE Transactions on Biomedical Engineering*, **2020**, 67, 2370-2380	5	20
188	Information Management for Intelligent Retail Environment: The Shelf Detector System. *Information (Switzerland)*, **2014**, 5, 255-271	2.6	18
187	Smart maintenance of riverbanks using a standard data layer and Augmented Reality. *Computers and Geosciences*, **2016**, 95, 67-74	4.5	18
186	Visual and Textual Sentiment Analysis of Brand-Related Social Media Pictures Using Deep Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2017**, 402-413	0.9	17
185	Embedded Multisensor System for Safe Point-to-Point Navigation of Impaired Users. *IEEE Transactions on Intelligent Transportation Systems*, **2015**, 16, 3543-3555	6.1	17
184	High-resolution mapping of river and estuary areas by using unmanned aerial and surface platforms **2015**,		17
183	**2015**,		17

182	Visual Based Landing for an Unmanned Quadrotor. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2016**, 84, 511-528	2.9	16
181	Shelf space re-allocation for out of stock reduction. *Computers and Industrial Engineering*, **2017**, 106, 32-40	6.4	16
180	Integrating elevation data and multispectral high-resolution images for an improved hybrid Land Use/Land Cover mapping. *European Journal of Remote Sensing*, **2017**, 50, 1-17	2.9	16
179	People Detection and Tracking from an RGB-D Camera in Top-View Configuration: Review of Challenges and Applications. *Lecture Notes in Computer Science*, **2017**, 207-218	0.9	16
178	**2014**,		16
177	Embedded Vision Sensor Network for Planogram Maintenance in Retail Environments. *Sensors*, **2015**, 15, 21114-33	3.8	15
176	Real/Not Real. *Advances in Library and Information Science*, **2017**, 201-227	0.1	15
175	Advanced Interaction with Paintings by Augmented Reality and High Resolution Visualization: A Real Case Exhibition. *Lecture Notes in Computer Science*, **2015**, 38-50	0.9	15
174	Road pavement crack automatic detection by MMS images **2013**,		14
173	. *IEEE Robotics and Automation Magazine*, **2006**, 13, 59-68	3.4	14
172	Making Visible the Invisible. Augmented Reality Visualization for 3D Reconstructions of Archaeological Sites. *Lecture Notes in Computer Science*, **2015**, 25-37	0.9	14
171	Customers Activity Recognition in Intelligent Retail Environments. *Lecture Notes in Computer Science*, **2013**, 509-516	0.9	14
170	Robotic platform for deep change detection for rail safety and security **2017**,		13
169	Whistland: An Augmented Reality Crowd-Mapping System for Civil Protection and Emergency Management. *ISPRS International Journal of Geo-Information*, **2017**, 6, 41	2.9	13
168	Interoperability issues among smart home technological frameworks **2014**,		13
167	Smart Vision System for Shelf Analysis in Intelligent Retail Environments **2013**,		13
166	Vision-based autonomous navigation and landing of an unmanned aerial vehicle using natural landmarks **2009**,		13
165	Safe flying for an UAV helicopter **2007**,		13

164	A framework for simulations and tests of mobile robotics tasks **2006**,		13
163	Person Re-Identification with RGB-D Camera in Top-View Configuration through Multiple Nearest Neighbor Classifiers and Neighborhood Component Features Selection. *Sensors*, **2018**, 18,	3.8	13
162	Measurement of Users Well-Being Through Domotic Sensors and Machine Learning Algorithms. *IEEE Sensors Journal*, **2020**, 20, 8029-8038	4	12
161	Transfer learning for informative-frame selection in laryngoscopic videos through learned features. *Medical and Biological Engineering and Computing*, **2020**, 58, 1225-1238	3.1	12
160	Pixel, object and hybrid classification comparisons. *Journal of Spatial Science*, **2010**, 55, 43-54	1.6	12
159	Faster R-CNN approach for detection and quantification of DNA damage in comet assay images. *Computers in Biology and Medicine*, **2020**, 123, 103912	7	12
158	Early temporal prediction of Type 2 Diabetes Risk Condition from a General Practitioner Electronic Health Record: A Multiple Instance Boosting Approach. *Artificial Intelligence in Medicine*, **2020**, 105, 101847	7.4	11
157	Cyber Physical Systems for Industry 4.0: Towards Real Time Virtual Reality in Smart Manufacturing. *Lecture Notes in Computer Science*, **2018**, 422-434	0.9	11
156	Energy Harvesting system for smart shoes **2014**,		11
155	3D visualization tools to explore ancient architectures in South America. *Virtual Archaeology Review* , **2016**, 7, 44	2.9	11
154	TyG-er: An ensemble Regression Forest approach for identification of clinical factors related to insulin resistance condition using Electronic Health Records. *Computers in Biology and Medicine*, **2019**, 112, 103358	7	10
153	HDOMO: Smart Sensor Integration for an Active and Independent Longevity of the Elderly. *Sensors*, **2017**, 17,	3.8	10
152	Human activity analysis for in-home fall risk assessment **2015**,		10
151	Non-Contact Monitoring of Preterm Infants Using RGB-D Camera **2015**,		10
150	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2009**, 54, 307-329	2.9	10
149	Vision and sonar sensor fusion for mobile robot localization in aliased environments **2006**,		10
148	A vision based algorithm for active robot localization		10
147	HATS project for lean and smart global logistic: A shipping company case study. *Manufacturing Letters*, **2020**, 23, 71-74	4.5	10

146	Inter-foetus Membrane Segmentation for TTTS Using Adversarial Networks. *Annals of Biomedical Engineering*, **2020**, 48, 848-859	4.7	10
145	Urban water-energy-food-climate nexus in integrated wastewater and reuse systems: Cyber-physical framework and innovations. *Applied Energy*, **2021**, 298, 117268	10.7	10
144	Person Re-identification Dataset with RGB-D Camera in a Top-View Configuration. *Lecture Notes in Computer Science*, **2017**, 1-11	0.9	9
143	Health@Home: pilot cases and preliminary results : Integrated residential sensor network to promote the active aging of real users **2018**,		9
142	A regression framework to head-circumference delineation from US fetal images. *Computer Methods and Programs in Biomedicine*, **2021**, 198, 105771	6.9	9
141	Human trajectory prediction and generation using LSTM models and GANs. *Pattern Recognition*, **2021**, 120, 108136	7.7	9
140	SIT-REM: An Interoperable and Interactive Web Geographic Information System for Fauna, Flora and Plant Landscape Data Management. *ISPRS International Journal of Geo-Information*, **2014**, 3, 853-867	2.9	8
139	An Innovative Design Support System for Industry 4.0 Based on Machine Learning Approaches **2018** ,		8
138	A multi/hyper-spectral imaging system for land use/land cover using unmanned aerial systems **2016** ,		7
137	FEATURE GROUP MATCHING: A NOVEL METHOD TO FILTER OUT INCORRECT LOCAL FEATURE MATCHINGS. *International Journal of Pattern Recognition and Artificial Intelligence*, **2014**, 28, 1450012	1.1	7
136	Automatic road object extraction from Mobile Mapping Systems **2012**,		7
135	Pervasive System for Consumer Behaviour Analysis in Retail Environments. *Lecture Notes in Computer Science*, **2017**, 12-23	0.9	7
134	Open-World Person Re-Identification With RGBD Camera in Top-View Configuration for Retail Applications. *IEEE Access*, **2020**, 8, 67756-67765	3.5	7
133	Satellite and UAV data for Precision Agriculture Applications **2019**,		6
132	Cyberarchaeology: Improved Way Findings for Archaeological Parks Through Mobile Augmented Reality. *Lecture Notes in Computer Science*, **2016**, 172-185	0.9	6
131	Automatic Classification for Anti Mixup Events in Advanced Manufacturing System **2015**,		6
130	Security issues for data sharing and service interoperability in eHealth systems: The Nu.Sa. test bed **2014**,		6
129	RGBD Sensors for Human Activity Detection in AAL Environments **2014**, 127-135		6

128	VIRTUAL RECONSTRUCTION OF LOST ARCHITECTURES: FROM THE TLS SURVEY TO AR VISUALIZATION. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*,XLI-B5, 383-390	2.5	6
127	Semantic 3D Object Maps for Everyday Robotic Retail Inspection. *Lecture Notes in Computer Science* , **2019**, 263-274	0.9	6
126	Digital interaction with 3D archaeological artefacts: evaluating users behaviours at different representation scales. *Digital Applications in Archaeology and Cultural Heritage*, **2020**, 18, e00148	2.1	6
125	The babyPose dataset. *Data in Brief*, **2020**, 33, 106329	1.2	6
124	Deep understanding of shopper behaviours and interactions using RGB-D vision. *Machine Vision and Applications*, **2020**, 31, 1	2.8	6
123	ScoolAR: An Educational Platform to Improve Students Learning Through Virtual Reality. *IEEE Access*, **2021**, 9, 21059-21070	3.5	6
122	Tourism destination management using sentiment analysis and geo-location information: a deep learning approach. *Information Technology and Tourism*, **2021**, 23, 241-264	4.8	6
121	Design, Large-Scale Usage Testing, and Important Metrics for Augmented Reality Gaming Applications. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2019**, 15, 1-18	3.4	5
120	Learning-Based Screening of Endothelial Dysfunction From Photoplethysmographic Signals. *Electronics (Switzerland)*, **2019**, 8, 271	2.6	5
119	Development of a low-cost Unmanned Surface Vehicle for digital survey **2015**,		5
118	Energy Harvesting for Smart Shoes: A Real Life Application **2013**,		5
117	Efficient Traffic Simulation Using Busses as Active Sensor Network **2011**,		5
116	DEEP CONVOLUTIONAL NEURAL NETWORKS FOR SENTIMENT ANALYSIS OF CULTURAL HERITAGE. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*,XLII-2/W15, 871-878	2.5	5
115	Heartbeat Detection by Laser Doppler Vibrometry and Machine Learning. *Sensors*, **2020**, 20,	3.8	5
114	A Decision Support System for Diabetes Chronic Care Models Based on General Practitioner Engagement and EHR Data Sharing. *IEEE Journal of Translational Engineering in Health and Medicine*, **2020**, 8, 3000112	3	5
113	User-Centered Predictive Model for Improving Cultural Heritage Augmented Reality Applications: An HMM-Based Approach for Eye-Tracking Data. *Journal of Imaging*, **2018**, 4, 101	3.1	5
112	The INCREASE project: Intelligent Collections of food-legume genetic resources for European agrofood systems. *Plant Journal*, **2021**, 108, 646-660	6.9	5
111	Preterm infants' limb-pose estimation from depth images using convolutional neural networks **2019**,		4

110	A Visual Attentive Model for Discovering Patterns in Eye-Tracking Data-A Proposal in Cultural Heritage. *Sensors*, **2020**, 20,	3.8	4
109	A heuristic approach to evaluate occurrences of products for the planogram maintenance **2014**,		4
108	Autonomous safe landing of a vision guided helicopter **2010**,		4
107	**2010**,		4
106	A framework based on vision sensors for the automatic management of exchange parking areas **2010**,		4
105	A simulation framework for coalition formation of Unmanned Aerial Vehicles **2011**,		4
104	**2009**,		4
103	An efficient similarity metric for omnidirectional vision sensors. *Robotics and Autonomous Systems*, **2006**, 54, 750-757	3.5	4
102	Prototype UAV helicopter working in cooperative environments **2007**,		4
101	Measuring and Assessing Augmented Reality Potential for Educational Purposes: SmartMarca Project. *Lecture Notes in Computer Science*, **2019**, 319-334	0.9	4
100	Supervised CNN Strategies for Optical Image Segmentation and Classification in Interventional Medicine. *Intelligent Systems Reference Library*, **2020**, 213-236	0.8	4
99	Augmented Reality Smart Glasses in the Workplace: Safety and Security in the Fourth Industrial Revolution Era. *Lecture Notes in Computer Science*, **2020**, 231-247	0.9	4
98	An Intelligent RGB-D Video System for Bus Passenger Counting. *Advances in Intelligent Systems and Computing*, **2017**, 473-484	0.4	4
97	Optimal stock control and procurement by reusing of obsolescences in manufacturing. *Computers and Industrial Engineering*, **2020**, 148, 106697	6.4	4
96	Artificial Intelligence for Ultrasound Informative Image Selection of Metacarpal Head Cartilage. A Pilot Study. *Frontiers in Medicine*, **2021**, 8, 589197	4.9	4
95	Improving Variable Rate Treatments by Integrating Aerial and Ground Remotely Sensed Data **2018**,		4
94	A Unified Hierarchical XGBoost model for classifying priorities for COVID-19 vaccination campaign. *Pattern Recognition*, **2022**, 121, 108197	7.7	4
93	Accurate Modeling of the Microwave Treatment of Works of Art. *Sustainability*, **2019**, 11, 1606	3.6	3

92	Sharing health data among general practitioners: The Nu.Sa. project. *International Journal of Medical Informatics*, **2019**, 129, 267-274	5.3	3
91	Soil / crop segmentation from remotely sensed data acquired by Unmanned Aerial System **2017**,		3
90	Design of an interoperable framework with domotic sensors network integration **2017**,		3
89	Advanced integration of multimedia assistive technologies: A prospective outlook **2014**,		3
88	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios **2008**, 307-329		3
87	A New Cloud Library for Integrated Surveys. *Advances in Geospatial Technologies Book Series*, **2015**, 579-606		3
86	Evaluating Augmented and Virtual Reality in Education Through a User-Centered Comparative Study. *Advances in Computational Intelligence and Robotics Book Series*, **2020**, 229-261	0.4	3
85	COST EFFECTIVE SPHERICAL PHOTOGRAMMETRY: A NOVEL FRAMEWORK FOR THE SMART MANAGEMENT OF COMPLEX URBAN ENVIRONMENTS. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*,XLIII-B4-2020, 441-448	2.5	3
84	HMM-based Activity Recognition with a Ceiling RGB-D Camera **2017**,		3
83	Automatic Generation of Point Cloud Synthetic Dataset for Historical Building Representation. *Lecture Notes in Computer Science*, **2019**, 203-219	0.9	3
82	People Counting in Crowded Environment and Re-identification. *Advances in Computer Vision and Pattern Recognition*, **2019**, 397-425	1.1	3
81	A Content Creation Tool for AR/VR Applications in Education: The ScoolAR Framework. *Lecture Notes in Computer Science*, **2020**, 205-219	0.9	3
80	From Simulated to Real Scenarios: A Framework for Multi-UAVs. *Lecture Notes in Computer Science*, **2008**, 17-28	0.9	3
79	A Hybrid Approach to Land Cover Classification from Multi Spectral Images. *Lecture Notes in Computer Science*, **2009**, 500-508	0.9	3
78	Machine Learning in Capital Markets: Decision Support System for Outcome Analysis. *IEEE Access*, **2020**, 8, 109080-109091	3.5	3
77	A shape-constraint adversarial framework with instance-normalized spatio-temporal features for inter-fetal membrane segmentation. *Medical Image Analysis*, **2021**, 70, 102008	15.4	3
76	Bias from the Wild Industry 4.0: Are We Really Classifying the Quality or Shotgun Series?. *Lecture Notes in Computer Science*, **2021**, 637-649	0.9	3
75	A Semi-Supervised Multi-Task Learning Approach for Predicting Short-Term Kidney Disease Evolution. *IEEE Journal of Biomedical and Health Informatics*, **2021**, 25, 3983-3994	7.2	3

74	A Machine Learning Approach for Postoperative Outcome Prediction: Surgical Data Science Application in a Thoracic Surgery Setting. *World Journal of Surgery*, **2021**, 45, 1585-1594	3.3	3
73	Challenges of multi/hyper spectral images in precision agriculture applications. *IOP Conference Series: Earth and Environmental Science*, **2019**, 275, 012001	0.3	2
72	Design and test of a real-time shelf out-of-stock detector system. *Microsystem Technologies*, **2018**, 24, 1369-1377	1.7	2
71	Analysing human movements at mass events: A novel mobile-based management system based on active beacons and AVM **2016**,		2
70	Multi-Point Stereovision System for Contactless Dimensional Measurements. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2016**, 81, 273-284	2.9	2
69	Real and Virtual Clinical Trials: A Formal Analysis. *Topoi*, **2019**, 38, 411-422	0.8	2
68	A stereovision system for dimensional measurements in industrial robotics applications **2014**,		2
67	Exposure protocol setup for agro food treatment. Method and system for developing an application for heating in reverberation chamber **2015**,		2
66	Indoor people localization and tracking using an energy harvesting smart floor **2014**,		2
65	Coalition Formation for Unmanned Quadrotors **2011**,		2
64	Robot localization using omnidirectional vision in large and dynamic outdoor environments **2008**,		2
63	FAST MOBILE ROBOT LOCALIZATION USING LOW COST SENSORS. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2006**, 39, 358-363		2
62	Identifying the use of a park based on clusters of visitors' movements from mobile phone data. *Journal of Spatial Information Science*, **2019**,	1.1	2
61	Machine learning using the extreme gradient boosting (XGBoost) algorithm predicts 5-day delta of SOFA score at ICU admission in COVID-19 patients. *Journal of Intensive Medicine*, **2021**, 1, 110-110		2
60	A Learning Approach for Informative-Frame Selection in US Rheumatology Images. *Lecture Notes in Computer Science*, **2019**, 228-236	0.9	2
59	An Event Based Machine Learning Framework for Predictive Maintenance in Industry 4.0 **2019**,		2
58	An IOT Edge-Fog-Cloud Architecture for Vision Based Pallet Integrity. *Lecture Notes in Computer Science*, **2019**, 296-306	0.9	2
57	A Novel Method for Fast Processing of Large Remote Sensed Image. *Lecture Notes in Computer Science*, **2013**, 409-418	0.9	2

56	Optimal production planning by reusing components **2016**,		2
55	Towards the Design of a Machine Learning-based Consumer Healthcare Platform powered by Electronic Health Records and measurement of Lifestyle through Smartphone Data **2019**,		2
54	A methodological approach to fully automated highly accelerated life tests. *Microsystem Technologies*, **2018**, 24, 1401-1411	1.7	2
53	A Novel Remote Visual Inspection System for Bridge Predictive Maintenance. *Remote Sensing*, **2022** , 14, 2248	5	2
52	Customer Experience: A Design Approach and Supporting Platform. *IFIP Advances in Information and Communication Technology*, **2017**, 287-298	0.5	1
51	An IoT Edge-Fog-Cloud Architecture for Vision Based Planogram Integrity **2019**,		1
50	Movements analysis of preterm infants by using depth sensor **2017**,		1
49	Development of an automatic procedure to mechanically characterize soft tissue materials **2016**,		1
48	Development of intelligent service robots. *Intelligenza Artificiale*, **2013**, 7, 139-152	0.7	1
47	A Clinical Decision Support System for Chronic Venous Insufficiency **2017**,		1
46	Real time out of shelf detection using embedded sensor network **2014**,		1
45	Design and test of a precise mobile GPS tracker **2013**,		1
44	Robot localization in urban environments using omnidirectional vision sensors and partial heterogeneous apriori knowledge **2010**,		1
43	**2010**,		1
42	UAVs Safe Landing Using Range Images **2011**,		1
41	**2007**,		1
40	Visual feature group matching for autonomous robot localization **2007**,		1
39	Automatic extraction of LIDAR data classification rules **2007**,		1

38	Development of a convolutional neural network for the identification and the measurement of the median nerve on ultrasound images acquired at carpal tunnel level.. *Arthritis Research and Therapy*, **2022**, 24, 38	5.7	1
37	Deep Learning Approaches for Fashion Knowledge Extraction From Social Media: A Review. *IEEE Access*, **2022**, 10, 1545-1576	3.5	1
36	A deep-learning framework for metacarpal-head cartilage-thickness estimation in ultrasound rheumatological images.. *Computers in Biology and Medicine*, **2021**, 141, 105117	7	1
35	Visual and Textual Sentiment Analysis of Daily News Social Media Images by Deep Learning. *Lecture Notes in Computer Science*, **2019**, 477-487	0.9	1
34	Improving the Development of AR Application for Artwork Collections with Standard Data Layer. *Lecture Notes in Computer Science*, **2016**, 435-443	0.9	1
33	A Visual Global Positioning System for Unmanned Aerial Vehicles Used in Photogrammetric Applications **2010**, 157-168		1
32	Mask-R[Formula: see text]CNN: a distance-field regression version of Mask-RCNN for fetal-head delineation in ultrasound images. *International Journal of Computer Assisted Radiology and Surgery*, **2021**, 16, 1711-1718	3.9	1
31	MyDi application: Towards automatic activity annotation of young patients with Type 1 diabetes **2019**,		1
30	Functional evaluation of triceps surae during heel rise test: from EMG frequency analysis to machine learning approach. *Medical and Biological Engineering and Computing*, **2021**, 59, 41-56	3.1	1
29	Development of an Augmented Reality System Based on Marker Tracking for Robotic Assisted Minimally Invasive Spine Surgery. *Lecture Notes in Computer Science*, **2021**, 461-475	0.9	1
28	A Deep Learning-Based Approach for Automatic Leather Classification in Industry 4.0. *Lecture Notes in Computer Science*, **2021**, 662-674	0.9	1
27	People Counting on Low Cost Embedded Hardware During the SARS-CoV-2 Pandemic. *Lecture Notes in Computer Science*, **2021**, 521-533	0.9	1
26	A Synergic Photometric Stereo and Super Resolution Approach for Optical Inspection **2018**,		1
25	Machine learning-based approaches to analyse and improve the diagnosis of endothelial dysfunction **2018**,		1
24	Development of a measurement setup to detect the level of physical activity and social distancing of ageing people in a social garden during COVID-19 pandemic. *Measurement: Journal of the International Measurement Confederation*, **2021**, 184, 109946	4.6	1
23	Real-time human pose estimation on a smart walker using convolutional neural networks. *Expert Systems With Applications*, **2021**, 184, 115498	7.8	1
22	A New Technique of the Virtual Reality Visualization of Complex Volume Images from the Computer Tomography and Magnetic Resonance Imaging. *Lecture Notes in Computer Science*, **2021**, 376-391	0.9	1
21	A novel deep ordinal classification approach for aesthetic quality control classification. *Neural Computing and Applications*,1	4.8	1

20	Learning-Based Median Nerve Segmentation From Ultrasound Images For Carpal Tunnel Syndrome Evaluation. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 3025-3028	0.9	0
19	Social media analytics system for action inspection on social networks.. *Social Network Analysis and Mining*, **2022**, 12, 33	2.2	0
18	Combining sell-out data with shopper behaviour data for category performance measurement: The role of category conversion power. *Journal of Retailing and Consumer Services*, **2022**, 65, 102880	8.5	0
17	An accurate estimation of preterm infants limb pose from depth images using deep neural networks with densely connected atrous spatial convolutions. *Expert Systems With Applications*, **2022**, 117458	7.8	0
16	Building detection in multi-source aerial data with imbalanced training samples: an approach based on the Bayesian Vector Quantizer. *International Journal of Image and Data Fusion*, **2017**, 1-25	1.8	
15	Asymmetric Three-dimensional Convolutions For Preterm Infants' Pose Estimation. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 3021-3024	0.9	
14	A Clinical Decision Support System to Stratify the Temporal Risk of Diabetic Retinopathy. *IEEE Access*, **2021**, 9, 151864-151872	3.5	
13	CNN Implementation for Semantic Heads Segmentation Using Top-View Depth Data in Crowded Environment. *Lecture Notes in Computer Science*, **2019**, 85-88	0.9	
12	From Artificial Intelligence and Databases to Cognitive Computing: Past and Future Computer Engineering Research at UNIVPM **2019**, 101-121		
11	AI4AR: An AI-Based Mobile Application for the Automatic Generation of AR Contents. *Lecture Notes in Computer Science*, **2020**, 273-288	0.9	
10	An offline parallel architecture for forensic multimedia classification. *Multimedia Tools and Applications*,1	2.5	
9	Overcoming the Limits of a Neural Network for Character-Scene Interactions. *Lecture Notes in Computer Science*, **2021**, 118-134	0.9	
8	Data-Driven Knowledge Discovery in Retail: Evidences from the Vending Machines Industry. *Lecture Notes in Computer Science*, **2021**, 508-520	0.9	
7	3D Human Pose Estimation Based on Multi-Input Multi-Output Convolutional Neural Network and Event Cameras: A Proof of Concept on the DHP19 Dataset. *Lecture Notes in Computer Science*, **2021**, 14-25	0.9	
6	Measuring Environmental Data and Physiological Parameters at Home to Assess the Caregiver Burden in Assistants of People with Dementia. *Lecture Notes in Electrical Engineering*, **2021**, 3-13	0.2	
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