Emanuele Frontoni

List of Publications by Year
in descending order

246 papers	4,006 citations	186265 28 h-index	206112 48 g-index
254 all docs	254 docs citations	254 times ranked	3258 citing authors

#	Article	IF	Citations
1	A Survey of Augmented, Virtual, and Mixed Reality for Cultural Heritage. Journal on Computing and Cultural Heritage, 2018, 11, 1-36.	2.1	468
2	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.	3.4	165
3	Point Cloud Semantic Segmentation Using a Deep Learning Framework for Cultural Heritage. Remote Sensing, 2020, 12, 1005.	4.0	124
4	Machine Learning approach for Predictive Maintenance in Industry 4.0. , 2018, , .		123
5	A sequential deep learning application for recognising human activities in smart homes. Neurocomputing, 2020, 396, 501-513.	5.9	96
6	Performance evaluation of automated approaches to building detection in multi-source aerial data. ISPRS Journal of Photogrammetry and Remote Sensing, 2010, 65, 123-133.	11.1	89
7	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.	6.3	74
8	SOPHIA: An Event-Based IoT and Machine Learning Architecture for Predictive Maintenance in Industry 4.0. Information (Switzerland), 2020, 11, 202.	2.9	72
9	Robust and affordable retail customer profiling by vision and radio beacon sensor fusion. Pattern Recognition Letters, 2016, 81, 30-40.	4.2	66
10	Machine learning-based design support system for the prediction of heterogeneous machine parameters in industry 4.0. Expert Systems With Applications, 2020, 140, 112869.	7.6	61
11	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.	4.8	58
12	eTourism: ICT and its role for tourism management. Journal of Hospitality and Tourism Technology, 2019, 10, 90-106.	3.8	51
13	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.	3.4	47
14	Mechatronic System to Help Visually Impaired Users During Walking and Running. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 649-660.	8.0	47
15	A Smart Sensing Architecture for Domestic Monitoring: Methodological Approach and Experimental Validation. Sensors, 2018, 18, 2310.	3.8	45
16	Deep Learning for Soil and Crop Segmentation from Remotely Sensed Data. Remote Sensing, 2019, 11, 1859.	4.0	44
17	Multidisciplinary Pattern Recognition applications: A review. Computer Science Review, 2020, 37, 100276.	15.3	43
18	The Use of Augmented Reality Glasses for the Application in Industry 4.0. Lecture Notes in Computer Science, 2017, , 389-401.	1.3	41

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19	Human trajectory prediction and generation using LSTM models and GANs. Pattern Recognition, 2021, 120, 108136.	8.1	40
20	From knowledge-based to big data analytic model: a novel IoT and machine learning based decision support system for predictive maintenance in Industry 4.0. Journal of Intelligent Manufacturing, 2023, 34, 107-121.	7.3	38
21	Modelling and Forecasting Customer Navigation in Intelligent Retail Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 91, 165-180.	3.4	37
22	Preterm Infantsâ€™ Pose Estimation With Spatio-Temporal Features. IEEE Transactions on Biomedical Engineering, 2020, 67, 2370-2380.	4.2	36
23	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.	9.4	35
24	Shopper Analytics: A Customer Activity Recognition System Using a Distributed RGB-D Camera Network. Lecture Notes in Computer Science, 2014, , 146-157.	1.3	35
25	Augmented Reality Experience: From High-Resolution Acquisition to Real Time Augmented Contents. Advances in Multimedia, 2014, 2014, 1-9.	0.4	34
26	Mobile robot for retail surveying and inventory using visual and textual analysis of monocular pictures based on deep learning. , 2017, , .		34
27	Urban water-energy-food-climate nexus in integrated wastewater and reuse systems: Cyber-physical framework and innovations. Applied Energy, 2021, 298, 117268.	10.1	34
28	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.	1.3	33
29	Robotic retail surveying by deep learning visual and textual data. Robotics and Autonomous Systems, 2019, 118, 179-188.	5.1	32
30	Feature group matching for appearance-based localization. , 2008, , .		31
31	Convolutional Networks for Semantic Heads Segmentation using Top-View Depth Data in Crowded Environment. , 2018, , .		31
32	A regression framework to head-circumference delineation from US fetal images. Computer Methods and Programs in Biomedicine, 2021, 198, 105771.	4.7	30
33	Automatic Analysis of Eye-Tracking Data for Augmented Reality Applications: A Prospective Outlook. Lecture Notes in Computer Science, 2016, , 217-230.	1.3	30
34	Faster R-CNN approach for detection and quantification of DNA damage in comet assay images. Computers in Biology and Medicine, 2020, 123, 103912.	7.0	29
35	The INCREASE project: Intelligent Collections of foodâ€legume genetic resources for European agrofood systems. Plant Journal, 2021, 108, 646-660.	5.7	29
36	Measurement of Usersâ€™ Well-Being Through Domotic Sensors and Machine Learning Algorithms. IEEE Sensors Journal, 2020, 20, 8029-8038.	4.7	28

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37	Person Re-Identification with RGB-D Camera in Top-View Configuration through Multiple Nearest Neighbor Classifiers and Neighborhood Component Features Selection. Sensors, 2018, 18, 3471.	3.8	27
38	Transfer learning for informative-frame selection in laryngoscopic videos through learned features. Medical and Biological Engineering and Computing, 2020, 58, 1225-1238.	2.8	27
39	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.	1.3	26
40	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.	6.5	26
41	Making Visible the Invisible. Augmented Reality Visualization for 3D Reconstructions of Archaeological Sites. Lecture Notes in Computer Science, 2015, , 25-37.	1.3	26
42	Visual and Textual Sentiment Analysis of Brand-Related Social Media Pictures Using Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 402-413.	1.3	24
43	Customers' Activity Recognition in Intelligent Retail Environments. Lecture Notes in Computer Science, 2013, , 509-516.	1.3	24
44	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.	3.5	23
45	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.	7.0	23
46	A Unified Hierarchical XGBoost model for classifying priorities for COVID-19 vaccination campaign. Pattern Recognition, 2022, 121, 108197.	8.1	23
47	Embedded Multisensor System for Safe Point-to-Point Navigation of Impaired Users. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 3543-3555.	8.0	22
48	Low cost embedded system for increasing retail environment intelligence. , 2015, , .		22
49	Deep understanding of shopper behaviours and interactions using RGB-D vision. Machine Vision and Applications, 2020, 31, 1.	2.7	22
50	ScoolAR: An Educational Platform to Improve Students' Learning Through Virtual Reality. IEEE Access, 2021, 9, 21059-21070.	4.2	22
51	Tourism destination management using sentiment analysis and geo-location information: a deep learning approach. Information Technology and Tourism, 2021, 23, 241-264.	5.8	22
52	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, 110-116.	2.1	22
53	Interoperability issues among smart home technological frameworks. , 2014, , .		21
54	Unmanned Ground and Aerial Vehicles in extended range indoor and outdoor missions. , 2014, , .		21

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55	High-resolution mapping of river and estuary areas by using unmanned aerial and surface platforms. , 2015, , .		21
56	Smart maintenance of riverbanks using a standard data layer and Augmented Reality. Computers and Geosciences, 2016, 95, 67-74.	4.2	21
57	Shelf space re-allocation for out of stock reduction. Computers and Industrial Engineering, 2017, 106, 32-40.	6.3	21
58	Real/Not Real. Advances in Library and Information Science, 2017, , 201-227.	0.2	21
59	Whistland: An Augmented Reality Crowd-Mapping System for Civil Protection and Emergency Management. ISPRS International Journal of Geo-Information, 2017, 6, 41.	2.9	20
60	HATS project for lean and smart global logistic: A shipping company case study. Manufacturing Letters, 2020, 23, 71-74.	2.2	20
61	Inter-foetus Membrane Segmentation for TTTS Using Adversarial Networks. Annals of Biomedical Engineering, 2020, 48, 848-859.	2.5	20
62	Advanced Interaction with Paintings by Augmented Reality and High Resolution Visualization: A Real Case Exhibition. Lecture Notes in Computer Science, 2015, , 38-50.	1.3	20
63	Information Management for Intelligent Retail Environment: The Shelf Detector System. Information (Switzerland), 2014, 5, 255-271.	2.9	19
64	Visual Based Landing for an Unmanned Quadrotor. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 511-528.	3.4	19
65	Cyber Physical Systems for Industry 4.0: Towards Real Time Virtual Reality in Smart Manufacturing. Lecture Notes in Computer Science, 2018, , 422-434.	1.3	19
66	Energy Harvesting system for smart shoes. , 2014, , .		18
67	MLOps: A Taxonomy and a Methodology. IEEE Access, 2022, 10, 63606-63618.	4.2	18
68	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 54, 307-329.	3.4	17
69	Vision-based autonomous navigation and landing of an unmanned aerial vehicle using natural landmarks. , 2009, , .		17
70	Road pavement crack automatic detection by MMS images. , 2013, , .		17
71	Embedded Vision Sensor Network for Planogram Maintenance in Retail Environments. Sensors, 2015, 15, 21114-21133.	3.8	17
72	Robotic platform for deep change detection for rail safety and security. , 2017, , .		17

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73	A shape-constraint adversarial framework with instance-normalized spatio-temporal features for inter-fetal membrane segmentation. Medical Image Analysis, 2021, 70, 102008.	11.6	17
74	A framework for simulations and tests of mobile robotics tasks. , 2006, , .		16
75	Safe flying for an UAV helicopter. , 2007, , .		16
76	Non-Contact Monitoring of Preterm Infants Using RGB-D Camera. , 2015, , .		16
77	Person Re-identification Dataset with RGB-D Camera in a Top-View Configuration. Lecture Notes in Computer Science, 2017, , 1-11.	1.3	16
78	Appearance based robotics. IEEE Robotics and Automation Magazine, 2006, 13, 59-68.	2.0	15
79	Vision and sonar sensor fusion for mobile robot localization in aliased environments. , 2006, , .		15
80	Smart Vision System for Shelf Analysis in Intelligent Retail Environments. , 2013, , .		15
81	HDOMO: Smart Sensor Integration for an Active and Independent Longevity of the Elderly. Sensors, 2017, 17, 2610.	3.8	15
82	Heartbeat Detection by Laser Doppler Vibrometry and Machine Learning. Sensors, 2020, 20, 5362.	3.8	15
83	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.	6.3	15
84	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.	3.5	15
85	A Novel Remote Visual Inspection System for Bridge Predictive Maintenance. Remote Sensing, 2022, 14, 2248.	4.0	15
86	Pixel, object and hybrid classification comparisons. Journal of Spatial Science, 2010, 55, 43-54.	1.5	14
87	Digital interaction with 3D archaeological artefacts: evaluating user’s behaviours at different representation scales. Digital Applications in Archaeology and Cultural Heritage, 2020, 18, e00148.	1.3	14
88	Mask-R^{2}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.	2.8	14
89	Real-time human pose estimation on a smart walker using convolutional neural networks. Expert Systems With Applications, 2021, 184, 115498.	7.6	14
90	3D visualization tools to explore ancient architectures in South America. Virtual Archaeology Review, 2016, 7, 44.	1.9	14

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91	A deep-learning framework for metacarpal-head cartilage-thickness estimation in ultrasound rheumatological images. Computers in Biology and Medicine, 2022, 141, 105117.	7.0	14
92	A vision based algorithm for active robot localization. , 0, , .		13
93	Open-World Person Re-Identification With RGBD Camera in Top-View Configuration for Retail Applications. IEEE Access, 2020, 8, 67756-67765.	4.2	13
94	Health@Home: pilot cases and preliminary results : Integrated residential sensor network to promote the active aging of real users. , 2018, , .		12
95	Satellite and UAV data for Precision Agriculture Applications. , 2019, , .		12
96	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.	4.3	12
97	Augmented Reality Smart Glasses in the Workplace: Safety and Security in the Fourth Industrial Revolution Era. Lecture Notes in Computer Science, 2020, , 231-247.	1.3	12
98	Deep Learning Approaches for Fashion Knowledge Extraction From Social Media: A Review. IEEE Access, 2022, 10, 1545-1576.	4.2	12
99	Human activity analysis for in-home fall risk assessment. , 2015, , .		11
100	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, 1-12.	3.7	11
101	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.	1.6	11
102	Artificial Intelligence for Ultrasound Informative Image Selection of Metacarpal Head Cartilage. A Pilot Study. Frontiers in Medicine, 2021, 8, 589197.	2.6	11
103	An Innovative Design Support System for Industry 4.0 Based on Machine Learning Approaches. , 2018, , .		10
104	A novel deep ordinal classification approach for aesthetic quality control classification. Neural Computing and Applications, 2022, 34, 11625-11639.	5.6	10
105	Automatic road object extraction from Mobile Mapping Systems. , 2012, , .		9
106	Energy Harvesting for Smart Shoes: A Real Life Application. , 2013, , .		9
107	FEATURE GROUP MATCHING: A NOVEL METHOD TO FILTER OUT INCORRECT LOCAL FEATURE MATCHINGS. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1450012.	1.2	9
108	Automatic Classification for Anti Mixup Events in Advanced Manufacturing System. , 2015, , .		9

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109	A multi/hyper-spectral imaging system for land use/land cover using unmanned aerial systems. , 2016, , .		9
110	Cyberarchaeology: Improved Way Findings for Archaeological Parks Through Mobile Augmented Reality. Lecture Notes in Computer Science, 2016, , 172-185.	1.3	9
111	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.	3.0	9
112	Preterm infants' limb-pose estimation from depth images using convolutional neural networks. , 2019, , .		9
113	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.	5.0	9
114	Pervasive System for Consumer Behaviour Analysis in Retail Environments. Lecture Notes in Computer Science, 2017, , 12-23.	1.3	9
115	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, 0, XLI-B5, 383-390.	0.2	9
116	An efficient similarity metric for omnidirectional vision sensors. Robotics and Autonomous Systems, 2006, 54, 750-757.	5.1	8
117	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
118	Learning-Based Screening of Endothelial Dysfunction From Photoplethysmographic Signals. Electronics (Switzerland), 2019, 8, 271.	3.1	8
119	The babyPose dataset. Data in Brief, 2020, 33, 106329.	1.0	8
120	Learning-Based Median Nerve Segmentation From Ultrasound Images For Carpal Tunnel Syndrome Evaluation. , 2021, 2021, 3025-3028.		8
121	A Winner Takes All mechanism for automatic object extraction from multi-source data. , 2009, , .		7
122	Efficient Traffic Simulation Using Busses as Active Sensor Network. , 2011, , .		7
123	Security issues for data sharing and service interoperability in eHealth systems: The Nu.Sa. test bed. , 2014, , .		7
124	RGBD Sensors for Human Activity Detection in AAL Environments. , 2014, , 127-135.		7
125	Sharing health data among general practitioners: The Nu.Sa. project. International Journal of Medical Informatics, 2019, 129, 267-274.	3.3	7
126	Machine Learning in Capital Markets: Decision Support System for Outcome Analysis. IEEE Access, 2020, 8, 109080-109091.	4.2	7

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127	Supervised CNN Strategies for Optical Image Segmentation and Classification in Interventional Medicine. Intelligent Systems Reference Library, 2020, , 213-236.	1.2	7
128	Autonomous safe landing of a vision guided helicopter. , 2010, , .		6
129	Indoor people localization and tracking using an energy harvesting smart floor. , 2014, , .		6
130	A heuristic approach to evaluate occurrences of products for the planogram maintenance. , 2014, , .		6
131	Development of a low-cost Unmanned Surface Vehicle for digital survey. , 2015, , .		6
132	Optimal stock control and procurement by reusing of obsolescences in manufacturing. Computers and Industrial Engineering, 2020, 148, 106697.	6.3	6
133	Measuring and Assessing Augmented Reality Potential for Educational Purposes: SmartMarca Project. Lecture Notes in Computer Science, 2019, , 319-334.	1.3	6
134	Semantic 3D Object Maps for Everyday Robotic Retail Inspection. Lecture Notes in Computer Science, 2019, , 263-274.	1.3	6
135	An Intelligent RGB-D Video System for Bus Passenger Counting. Advances in Intelligent Systems and Computing, 2017, , 473-484.	0.6	6
136	DEEP CONVOLUTIONAL NEURAL NETWORKS FOR SENTIMENT ANALYSIS OF CULTURAL HERITAGE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W15, 871-878.	0.2	6
137	HMM-based Activity Recognition with a Ceiling RGB-D Camera. , 2017, , .		6
138	A Hybrid Approach to Land Cover Classification from Multi Spectral Images. Lecture Notes in Computer Science, 2009, , 500-508.	1.3	6
139	A Novel Spatio-Temporal Multi-Task Approach for the Prediction of Diabetes-Related Complication: a Cardiopathy Case of Study. , 2020, , .		6
140	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.	9.4	6
141	Social media analytics system for action inspection on social networks. Social Network Analysis and Mining, 2022, 12, 33.	2.8	6
142	Prototype UAV helicopter working in cooperative environments. , 2007, , .		5
143	A simulation framework for coalition formation of Unmanned Aerial Vehicles. , 2011, , .		5
144	Multi-Point Stereovision System for Contactless Dimensional Measurements. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 273-284.	3.4	5

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145	Improving Variable Rate Treatments by Integrating Aerial and Ground Remotely Sensed Data. , 2018, , .		5
146	Accurate Modeling of the Microwave Treatment of Works of Art. Sustainability, 2019, 11, 1606.	3.2	5
147	Fall detection for elderly-people monitoring using learned features and recurrent neural networks. Experimental Results, 2020, 1, .	0.6	5
148	A Visual Attentive Model for Discovering Patterns in Eye-Tracking Dataâ€"A Proposal in Cultural Heritage. Sensors, 2020, 20, 2101.	3.8	5
149	Bias from the Wild Industry 4.0: Are We Really Classifying the Quality or Shotgun Series?. Lecture Notes in Computer Science, 2021, , 637-649.	1.3	5
150	Automatic Generation of Point Cloud Synthetic Dataset for Historical Building Representation. Lecture Notes in Computer Science, 2019, , 203-219.	1.3	5
151	An Event Based Machine Learning Framework for Predictive Maintenance in Industry 4.0. , 2019, , .		5
152	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios. , 2008, , 307-329.		5
153	A Feature Encoding Approach and a Cloud Computing Architecture to Map Fishing Activities. , 2021, , .		5
154	Road Change Detection from Multi-Spectral Aerial Data. , 2010, , .		4
155	A framework based on vision sensors for the automatic management of exchange parking areas. , 2010, , .		4
156	Advanced integration of multimedia assistive technologies: A prospective outlook. , 2014, , .		4
157	A stereovision system for dimensional measurements in industrial robotics applications. , 2014, , .		4
158	Analysing human movements at mass events: A novel mobile-based management system based on active beacons and AVM. , 2016, , .		4
159	Soil / crop segmentation from remotely sensed data acquired by Unmanned Aerial System. , 2017, , .		4
160	A methodological approach to fully automated highly accelerated life tests. Microsystem Technologies, 2018, 24, 1401-1411.	2.0	4
161	Challenges of multi/hyper spectral images in precision agriculture applications. IOP Conference Series: Earth and Environmental Science, 2019, 275, 012001.	0.3	4
162	Evaluating the autonomy of children with autism spectrum disorder in washing hands: a deep-learning approach. , 2020, , .		4

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163	NephCNN: A deep-learning framework for vessel segmentation in nephrectomy laparoscopic videos. , 2021, , .		4
164	A Deep Learning-Based Approach for Automatic Leather Classification in Industry 4.0. Lecture Notes in Computer Science, 2021, , 662-674.	1.3	4
165	People Counting in Crowded Environment and Re-identification. Advances in Computer Vision and Pattern Recognition, 2019, , 397-425.	1.3	4
166	A Content Creation Tool for AR/VR Applications in Education: The ScoolAR Framework. Lecture Notes in Computer Science, 2020, , 205-219.	1.3	4
167	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, 0, XLIII-B4-2020, 441-448.	0.2	4
168	GRAPH CNN WITH RADIUS DISTANCE FOR SEMANTIC SEGMENTATION OF HISTORICAL BUILDINGS TLS POINT CLOUDS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIV-4/W1-2020, 95-102.	0.2	4
169	A Learning Approach for Informative-Frame Selection in US Rheumatology Images. Lecture Notes in Computer Science, 2019, , 228-236.	1.3	4
170	FAST MOBILE ROBOT LOCALIZATION USING LOW COST SENSORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 358-363.	0.4	3
171	Robot localization using omnidirectional vision in large and dynamic outdoor environments. , 2008, , .		3
172	Development of intelligent service robots. Intelligenza Artificiale, 2013, 7, 139-152.	1.6	3
173	An integrated mobility system using real-time data for traffic simulation. , 2016, , .		3
174	Customer Experience: A Design Approach and Supporting Platform. IFIP Advances in Information and Communication Technology, 2017, , 287-298.	0.7	3
175	Design of an interoperable framework with domotic sensors network integration. , 2017, , .		3
176	Movements analysis of preterm infants by using depth sensor. , 2017, , .		3
177	Design and test of a real-time shelf out-of-stock detector system. Microsystem Technologies, 2018, 24, 1369-1377.	2.0	3
178	Towards the Design of a Machine Learning-based Consumer Healthcare Platform powered by Electronic Health Records and measurement of Lifestyle through Smartphone Data. , 2019, , .		3
179	From Simulated to Real Scenarios: A Framework for Multi-UAVs. Lecture Notes in Computer Science, 2008, , 17-28.	1.3	3
180	A New Cloud Library for Integrated Surveys. Advances in Geospatial Technologies Book Series, 2015, , 579-606.	0.2	3

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181	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
182	A Novel Method for Fast Processing of Large Remote Sensed Image. Lecture Notes in Computer Science, 2013, , 409-418.	1.3	3
183	A Clinical Decision Support System to Stratify the Temporal Risk of Diabetic Retinopathy. IEEE Access, 2021, 9, 151864-151872.	4.2	3
184	Vision based approach for active selection of robot&#x2019;s localization action. , 2007, , .		2
185	Robot localization in urban environments using omnidirectional vision sensors and partial heterogeneous apriori knowledge. , 2010, , .		2
186	Coalition Formation for Unmanned Quadrotors. , 2011, , .		2
187	Design and test of a precise mobile GPS tracker. , 2013, , .		2
188	Exposure protocol setup for agro food treatment. Method and system for developing an application for heating in reverberation chamber. , 2015, , .		2
189	Optimal production planning by reusing components. , 2016, , .		2
190	A Synergic Photometric Stereo and Super Resolution Approach for Optical Inspection. , 2018, , .		2
191	Real and Virtual Clinical Trials: A Formal Analysis. Topoi, 2019, 38, 411-422.	1.3	2
192	An IoT Edge-Fog-Cloud Architecture for Vision Based Planogram Integrity. , 2019, , .		2
193	People Counting on Low Cost Embedded Hardware During the SARS-CoV-2 Pandemic. Lecture Notes in Computer Science, 2021, , 521-533.	1.3	2
194	Analysis, Design and Implementation of a Forecasting System for Parking Lots Occupation. , 2021, , .		2
195	An IOT Edge-Fog-Cloud Architecture for Vision Based Pallet Integrity. Lecture Notes in Computer Science, 2019, , 296-306.	1.3	2
196	Identifying the use of a park based on clusters of visitors' movements from mobile phone data. Journal of Spatial Information Science, 2019, , .	1.2	2
197	End-to-end semantic joint detection and limb-pose estimation from depth images of preterm infants in NICUs. , 2021, , .		2
198	Automatic extraction of LIDAR data classification rules. , 2007, , .		1

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199	Visual feature group matching for autonomous robot localization. , 2007, , .		1
200	RoboBuntu: A Linux distribution for mobile robotics. , 2009, , .		1
201	Wireless sensor network for exhausted oil collection management. , 2010, , .		1
202	UAVs Safe Landing Using Range Images. , 2011, , .		1
203	Real time out of shelf detection using embedded sensor network. , 2014, , .		1
204	Accurate modeling of the microwave treatment in reverberating chamber. sanitation of agro food material. , 2015, , .		1
205	Development of an automatic procedure to mechanically characterize soft tissue materials. , 2016, , .		1
206	A Clinical Decision Support System for Chronic Venous Insufficiency. , 2017, , .		1
207	A sensor fusion approach for measuring emotional customer experience in an intelligent retail environment. , 2017, , .		1
208	Machine learning-based approaches to analyse and improve the diagnosis of endothelial dysfunction. , 2018, , .		1
209	MyDi application: Towards automatic activity annotation of young patients with Type 1 diabetes. , 2019, , .		1
210	Empowered Optical Inspection by Using Robotic Manipulator in Industrial Applications. , 2019, , .		1
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