

# Emanuele Frontoni

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Development of a convolutional neural network for the identification and the measurement of the median nerve on ultrasound images acquired at carpal tunnel level.. <i>Arthritis Research and Therapy</i> , <b>2022</b> , 24, 38	5.7	1
216	Social media analytics system for action inspection on social networks.. <i>Social Network Analysis and Mining</i> , <b>2022</b> , 12, 33	2.2	0
215	Deep Learning Approaches for Fashion Knowledge Extraction From Social Media: A Review. <i>IEEE Access</i> , <b>2022</b> , 10, 1545-1576	3.5	1
214	Combining sell-out data with shopper behaviour data for category performance measurement: The role of category conversion power. <i>Journal of Retailing and Consumer Services</i> , <b>2022</b> , 65, 102880	8.5	0
213	A Unified Hierarchical XGBoost model for classifying priorities for COVID-19 vaccination campaign. <i>Pattern Recognition</i> , <b>2022</b> , 121, 108197	7.7	4
212	Detection and Classification of Defects in Plastic Components Using a Deep Learning Approach. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 713-722	0.5	
211	Decision Support System Based on Deep Learning for Improving the Quality Control Task of Rifles: A Case Study in Industry 4.0. <i>Management and Industrial Engineering</i> , <b>2022</b> , 63-77	0.2	
210	A Method for Determining the Shape Similarity of Complex Three-Dimensional Structures to Aid Decay Restoration and Digitization Error Correction. <i>Information (Switzerland)</i> , <b>2022</b> , 13, 145	2.6	
209	A Novel Remote Visual Inspection System for Bridge Predictive Maintenance. <i>Remote Sensing</i> , <b>2022</b> , 14, 2248	5	2
208	An accurate estimation of preterm infants' limb pose from depth images using deep neural networks with densely connected atrous spatial convolutions. <i>Expert Systems With Applications</i> , <b>2022</b> , 117458	7.8	0
207	A Deep Learning-Based System for Product Recognition in Intelligent Retail Environment. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 371-382	0.9	
206	Asymmetric Three-dimensional Convolutions For Preterm Infants' Pose Estimation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 3021-3024	0.9	
205	Learning-Based Median Nerve Segmentation From Ultrasound Images For Carpal Tunnel Syndrome Evaluation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 3025-3028	0.9	0
204	A Clinical Decision Support System to Stratify the Temporal Risk of Diabetic Retinopathy. <i>IEEE Access</i> , <b>2021</b> , 9, 151864-151872	3.5	
203	A deep-learning framework for metacarpal-head cartilage-thickness estimation in ultrasound rheumatological images.. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 141, 105117	7	1
202	Machine learning using the extreme gradient boosting (XGBoost) algorithm predicts 5-day delta of SOFA score at ICU admission in COVID-19 patients. <i>Journal of Intensive Medicine</i> , <b>2021</b> , 1, 110-110		2
201	Artificial Intelligence for Ultrasound Informative Image Selection of Metacarpal Head Cartilage. A Pilot Study. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 589197	4.9	4

200	A shape-constraint adversarial framework with instance-normalized spatio-temporal features for inter-fetal membrane segmentation. <i>Medical Image Analysis</i> , <b>2021</b> , 70, 102008	15.4	3
199	Mask-R[Formula: see text]CNN: a distance-field regression version of Mask-RCNN for fetal-head delineation in ultrasound images. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2021</b> , 16, 1711-1718	3.9	1
198	A regression framework to head-circumference delineation from US fetal images. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 198, 105771	6.9	9
197	Functional evaluation of triceps surae during heel rise test: from EMG frequency analysis to machine learning approach. <i>Medical and Biological Engineering and Computing</i> , <b>2021</b> , 59, 41-56	3.1	1
196	ScoolAR: An Educational Platform to Improve Students' Learning Through Virtual Reality. <i>IEEE Access</i> , <b>2021</b> , 9, 21059-21070	3.5	6
195	Overcoming the Limits of a Neural Network for Character-Scene Interactions. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 118-134	0.9	
194	Development of an Augmented Reality System Based on Marker Tracking for Robotic Assisted Minimally Invasive Spine Surgery. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 461-475	0.9	1
193	A Deep Learning-Based Approach for Automatic Leather Classification in Industry 4.0. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 662-674	0.9	1
192	Data-Driven Knowledge Discovery in Retail: Evidences from the Vending Machine' Industry. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 508-520	0.9	
191	Bias from the Wild Industry 4.0: Are We Really Classifying the Quality or Shotgun Series?. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 637-649	0.9	3
190	People Counting on Low Cost Embedded Hardware During the SARS-CoV-2 Pandemic. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 521-533	0.9	1
189	A Semi-Supervised Multi-Task Learning Approach for Predicting Short-Term Kidney Disease Evolution. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , 25, 3983-3994	7.2	3
188	Tourism destination management using sentiment analysis and geo-location information: a deep learning approach. <i>Information Technology and Tourism</i> , <b>2021</b> , 23, 241-264	4.8	6
187	A Machine Learning Approach for Postoperative Outcome Prediction: Surgical Data Science Application in a Thoracic Surgery Setting. <i>World Journal of Surgery</i> , <b>2021</b> , 45, 1585-1594	3.3	3
186	Urban water-energy-food-climate nexus in integrated wastewater and reuse systems: Cyber-physical framework and innovations. <i>Applied Energy</i> , <b>2021</b> , 298, 117268	10.7	10
185	The INCREASE project: Intelligent Collections of food-legume genetic resources for European agrofood systems. <i>Plant Journal</i> , <b>2021</b> , 108, 646-660	6.9	5
184	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. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 184, 109946	4.6	1
183	Real-time human pose estimation on a smart walker using convolutional neural networks. <i>Expert Systems With Applications</i> , <b>2021</b> , 184, 115498	7.8	1

182	Human trajectory prediction and generation using LSTM models and GANs. <i>Pattern Recognition</i> , <b>2021</b> , 120, 108136	7.7	9
181	3D Human Pose Estimation Based on Multi-Input Multi-Output Convolutional Neural Network and Event Cameras: A Proof of Concept on the DHP19 Dataset. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 14-25	2.9	9
180	Measuring Environmental Data and Physiological Parameters at Home to Assess the Caregiver Burden in Assistants of People with Dementia. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 3-13	0.2	
179	A New Technique of the Virtual Reality Visualization of Complex Volume Images from the Computer Tomography and Magnetic Resonance Imaging. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 376-391	3.9	1
178	Improving Preterm Infants' Joint Detection in Depth Images Via Dense Convolutional Neural Networks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 3013-3016	0.9	
177	Early temporal prediction of Type 2 Diabetes Risk Condition from a General Practitioner Electronic Health Record: A Multiple Instance Boosting Approach. <i>Artificial Intelligence in Medicine</i> , <b>2020</b> , 105, 101847	7.4	11
176	Multidisciplinary Pattern Recognition applications: A review. <i>Computer Science Review</i> , <b>2020</b> , 37, 1002768.3	6.3	22
175	Measurement of Users' Well-Being Through Domotic Sensors and Machine Learning Algorithms. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 8029-8038	4	12
174	Transfer learning for informative-frame selection in laryngoscopic videos through learned features. <i>Medical and Biological Engineering and Computing</i> , <b>2020</b> , 58, 1225-1238	3.1	12
173	A Visual Attentive Model for Discovering Patterns in Eye-Tracking Data-A Proposal in Cultural Heritage. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
172	SOPHIA: An Event-Based IoT and Machine Learning Architecture for Predictive Maintenance in Industry 4.0. <i>Information (Switzerland)</i> , <b>2020</b> , 11, 202	2.6	30
171	Evaluating Augmented and Virtual Reality in Education Through a User-Centered Comparative Study. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2020</b> , 229-261	0.4	3
170	AI4AR: An AI-Based Mobile Application for the Automatic Generation of AR Contents. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 273-288	0.9	
169	Supervised CNN Strategies for Optical Image Segmentation and Classification in Interventional Medicine. <i>Intelligent Systems Reference Library</i> , <b>2020</b> , 213-236	0.8	4
168	A Content Creation Tool for AR/VR Applications in Education: The ScoolAR Framework. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 205-219	0.9	3
167	Augmented Reality Smart Glasses in the Workplace: Safety and Security in the Fourth Industrial Revolution Era. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 231-247	0.9	4
166	HATS project for lean and smart global logistic: A shipping company case study. <i>Manufacturing Letters</i> , <b>2020</b> , 23, 71-74	4.5	10
165	Inter-foetus Membrane Segmentation for TTTS Using Adversarial Networks. <i>Annals of Biomedical Engineering</i> , <b>2020</b> , 48, 848-859	4.7	10

164	Preterm Infants' Pose Estimation With Spatio-Temporal Features. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 2370-2380	5	20
163	Heartbeat Detection by Laser Doppler Vibrometry and Machine Learning. <i>Sensors</i> , <b>2020</b> , 20,	3.8	5
162	Digital interaction with 3D archaeological artefacts: evaluating user's behaviours at different representation scales. <i>Digital Applications in Archaeology and Cultural Heritage</i> , <b>2020</b> , 18, e00148	2.1	6
161	The babyPose dataset. <i>Data in Brief</i> , <b>2020</b> , 33, 106329	1.2	6
160	Machine Learning in Capital Markets: Decision Support System for Outcome Analysis. <i>IEEE Access</i> , <b>2020</b> , 8, 109080-109091	3.5	3
159	Open-World Person Re-Identification With RGBD Camera in Top-View Configuration for Retail Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 67756-67765	3.5	7
158	Faster R-CNN approach for detection and quantification of DNA damage in comet assay images. <i>Computers in Biology and Medicine</i> , <b>2020</b> , 123, 103912	7	12
157	Optimal stock control and procurement by reusing of obsolescences in manufacturing. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 148, 106697	6.4	4
156	A Decision Support System for Diabetes Chronic Care Models Based on General Practitioner Engagement and EHR Data Sharing. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2020</b> , 8, 3000112	3	5
155	Deep understanding of shopper behaviours and interactions using RGB-D vision. <i>Machine Vision and Applications</i> , <b>2020</b> , 31, 1	2.8	6
154	Discovering the Type 2 Diabetes in Electronic Health Records Using the Sparse Balanced Support Vector Machine. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 235-246	7.2	36
153	A sequential deep learning application for recognising human activities in smart homes. <i>Neurocomputing</i> , <b>2020</b> , 396, 501-513	5.4	44
152	Machine learning-based design support system for the prediction of heterogeneous machine parameters in industry 4.0. <i>Expert Systems With Applications</i> , <b>2020</b> , 140, 112869	7.8	31
151	Point Cloud Semantic Segmentation Using a Deep Learning Framework for Cultural Heritage. <i>Remote Sensing</i> , <b>2020</b> , 12, 1005	5	56
150	Deep Learning for Soil and Crop Segmentation from Remotely Sensed Data. <i>Remote Sensing</i> , <b>2019</b> , 11, 1859	5	25
149	Preterm infants' limb-pose estimation from depth images using convolutional neural networks <b>2019</b> ,		4
148	Challenges of multi/hyper spectral images in precision agriculture applications. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 275, 012001	0.3	2
147	Satellite and UAV data for Precision Agriculture Applications <b>2019</b> ,		6

146	An IoT Edge-Fog-Cloud Architecture for Vision Based Planogram Integrity <b>2019</b> ,		1
145	Design, Large-Scale Usage Testing, and Important Metrics for Augmented Reality Gaming Applications. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2019</b> , 15, 1-18	3.4	5
144	Robotic retail surveying by deep learning visual and textual data. <i>Robotics and Autonomous Systems</i> , <b>2019</b> , 118, 179-188	3.5	23
143	Accurate Modeling of the Microwave Treatment of Works of Art. <i>Sustainability</i> , <b>2019</b> , 11, 1606	3.6	3
142	Real and Virtual Clinical Trials: A Formal Analysis. <i>Topoi</i> , <b>2019</b> , 38, 411-422	0.8	2
141	Learning-Based Screening of Endothelial Dysfunction From Photoplethysmographic Signals. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 271	2.6	5
140	Sharing health data among general practitioners: The Nu.Sa. project. <i>International Journal of Medical Informatics</i> , <b>2019</b> , 129, 267-274	5.3	3
139	TyG-er: An ensemble Regression Forest approach for identification of clinical factors related to insulin resistance condition using Electronic Health Records. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 112, 103358	7	10
138	Identifying the use of a park based on clusters of visitors' movements from mobile phone data. <i>Journal of Spatial Information Science</i> , <b>2019</b> ,	1.1	2
137	Automatic Generation of Point Cloud Synthetic Dataset for Historical Building Representation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 203-219	0.9	3
136	A Learning Approach for Informative-Frame Selection in US Rheumatology Images. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 228-236	0.9	2
135	CNN Implementation for Semantic Heads Segmentation Using Top-View Depth Data in Crowded Environment. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 85-88	0.9	
134	Visual and Textual Sentiment Analysis of Daily News Social Media Images by Deep Learning. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 477-487	0.9	1
133	From Artificial Intelligence and Databases to Cognitive Computing: Past and Future Computer Engineering Research at UNIVPM <b>2019</b> , 101-121		
132	An Event Based Machine Learning Framework for Predictive Maintenance in Industry 4.0 <b>2019</b> ,		2
131	Measuring and Assessing Augmented Reality Potential for Educational Purposes: SmartMarca Project. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 319-334	0.9	4
130	People Counting in Crowded Environment and Re-identification. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2019</b> , 397-425	1.1	3
129	Semantic 3D Object Maps for Everyday Robotic Retail Inspection. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 263-274	0.9	6

128	An IOT Edge-Fog-Cloud Architecture for Vision Based Pallet Integrity. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 296-306	0.9	2
127	eTourism: ICT and its role for tourism management. <i>Journal of Hospitality and Tourism Technology</i> , <b>2019</b> , 10, 90-106	4.2	29
126	MyDi application: Towards automatic activity annotation of young patients with Type 1 diabetes <b>2019</b> ,		1
125	Towards the Design of a Machine Learning-based Consumer Healthcare Platform powered by Electronic Health Records and measurement of Lifestyle through Smartphone Data <b>2019</b> ,		2
124	A business application of RTLS technology in Intelligent Retail Environment: Defining the shopper's preferred path and its segmentation. <i>Journal of Retailing and Consumer Services</i> , <b>2019</b> , 47, 184-194	8.5	22
123	Mechatronic System to Help Visually Impaired Users During Walking and Running. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 649-660	6.1	21
122	A Survey of Augmented, Virtual, and Mixed Reality for Cultural Heritage. <i>Journal on Computing and Cultural Heritage</i> , <b>2018</b> , 11, 1-36	1.8	237
121	Design and test of a real-time shelf out-of-stock detector system. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 1369-1377	1.7	2
120	Modelling and Forecasting Customer Navigation in Intelligent Retail Environments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2018</b> , 91, 165-180	2.9	21
119	Cyber Physical Systems for Industry 4.0: Towards Real Time Virtual Reality in Smart Manufacturing. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 422-434	0.9	11
118	A Smart Sensing Architecture for Domestic Monitoring: Methodological Approach and Experimental Validation. <i>Sensors</i> , <b>2018</b> , 18,	3.8	30
117	Health@Home: pilot cases and preliminary results : Integrated residential sensor network to promote the active aging of real users <b>2018</b> ,		9
116	A methodological approach to fully automated highly accelerated life tests. <i>Microsystem Technologies</i> , <b>2018</b> , 24, 1401-1411	1.7	2
115	An Innovative Design Support System for Industry 4.0 Based on Machine Learning Approaches <b>2018</b> ,		8
114	A Synergic Photometric Stereo and Super Resolution Approach for Optical Inspection <b>2018</b> ,		1
113	Convolutional Networks for Semantic Heads Segmentation using Top-View Depth Data in Crowded Environment <b>2018</b> ,		21
112	Machine learning-based approaches to analyse and improve the diagnosis of endothelial dysfunction <b>2018</b> ,		1
111	Person Re-Identification with RGB-D Camera in Top-View Configuration through Multiple Nearest Neighbor Classifiers and Neighborhood Component Features Selection. <i>Sensors</i> , <b>2018</b> , 18,	3.8	13

110	User-Centered Predictive Model for Improving Cultural Heritage Augmented Reality Applications: An HMM-Based Approach for Eye-Tracking Data. <i>Journal of Imaging</i> , <b>2018</b> , 4, 101	3.1	5
109	Improving Variable Rate Treatments by Integrating Aerial and Ground Remotely Sensed Data <b>2018</b> ,		4
108	Machine Learning approach for Predictive Maintenance in Industry 4.0 <b>2018</b> ,		54
107	Shelf space re-allocation for out of stock reduction. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 106, 32-40	6.4	16
106	Building detection in multi-source aerial data with imbalanced training samples: an approach based on the Bayesian Vector Quantizer. <i>International Journal of Image and Data Fusion</i> , <b>2017</b> , 1-25	1.8	
105	The Use of Augmented Reality Glasses for the Application in Industry 4.0. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 389-401	0.9	27
104	Integrating elevation data and multispectral high-resolution images for an improved hybrid Land Use/Land Cover mapping. <i>European Journal of Remote Sensing</i> , <b>2017</b> , 50, 1-17	2.9	16
103	Person Re-identification Dataset with RGB-D Camera in a Top-View Configuration. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 1-11	0.9	9
102	Visual and Textual Sentiment Analysis of Brand-Related Social Media Pictures Using Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 402-413	0.9	17
101	Customer Experience: A Design Approach and Supporting Platform. <i>IFIP Advances in Information and Communication Technology</i> , <b>2017</b> , 287-298	0.5	1
100	Movements analysis of preterm infants by using depth sensor <b>2017</b> ,		1
99	Soil / crop segmentation from remotely sensed data acquired by Unmanned Aerial System <b>2017</b> ,		3
98	A Clinical Decision Support System for Chronic Venous Insufficiency <b>2017</b> ,		1
97	Mobile robot for retail surveying and inventory using visual and textual analysis of monocular pictures based on deep learning <b>2017</b> ,		20
96	People Detection and Tracking from an RGB-D Camera in Top-View Configuration: Review of Challenges and Applications. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 207-218	0.9	16
95	Robotic platform for deep change detection for rail safety and security <b>2017</b> ,		13
94	Design of an interoperable framework with domotic sensors network integration <b>2017</b> ,		3
93	HDOMO: Smart Sensor Integration for an Active and Independent Longevity of the Elderly. <i>Sensors</i> , <b>2017</b> , 17,	3.8	10



92	Whistland: An Augmented Reality Crowd-Mapping System for Civil Protection and Emergency Management. <i>ISPRS International Journal of Geo-Information</i> , <b>2017</b> , 6, 41	2.9	13
91	Real/Not Real. <i>Advances in Library and Information Science</i> , <b>2017</b> , 201-227	0.1	15
90	HMM-based Activity Recognition with a Ceiling RGB-D Camera <b>2017</b> ,		3
89	An Intelligent RGB-D Video System for Bus Passenger Counting. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 473-484	0.4	4
88	Pervasive System for Consumer Behaviour Analysis in Retail Environments. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 12-23	0.9	7
87	Visual Based Landing for an Unmanned Quadrotor. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2016</b> , 84, 511-528	2.9	16
86	A multi/hyper-spectral imaging system for land use/land cover using unmanned aerial systems <b>2016</b> ,		7
85	Cyberarchaeology: Improved Way Findings for Archaeological Parks Through Mobile Augmented Reality. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 172-185	0.9	6
84	Development of an automatic procedure to mechanically characterize soft tissue materials <b>2016</b> ,		1
83	Analysing human movements at mass events: A novel mobile-based management system based on active beacons and AVM <b>2016</b> ,		2
82	Virtual reconstruction of archaeological heritage using a combination of photogrammetric techniques: Huaca Arco Iris, Chan Chan, Peru. <i>Digital Applications in Archaeology and Cultural Heritage</i> , <b>2016</b> , 3, 80-90	2.1	26
81	Robust and affordable retail customer profiling by vision and radio beacon sensor fusion. <i>Pattern Recognition Letters</i> , <b>2016</b> , 81, 30-40	4.7	47
80	Multi-Point Stereovision System for Contactless Dimensional Measurements. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2016</b> , 81, 273-284	2.9	2
79	3D visualization tools to explore ancient architectures in South America. <i>Virtual Archaeology Review</i> , <b>2016</b> , 7, 44	2.9	11
78	Improving the Development of AR Application for Artwork Collections with Standard Data Layer. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 435-443	0.9	1
77	Automatic Analysis of Eye-Tracking Data for Augmented Reality Applications: A Prospective Outlook. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 217-230	0.9	21
76	Smart maintenance of riverbanks using a standard data layer and Augmented Reality. <i>Computers and Geosciences</i> , <b>2016</b> , 95, 67-74	4.5	18
75	Optimal production planning by reusing components <b>2016</b> ,		2

74	Embedded Multisensor System for Safe Point-to-Point Navigation of Impaired Users. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2015</b> , 16, 3543-3555	6.1	17
73	High-resolution mapping of river and estuary areas by using unmanned aerial and surface platforms <b>2015</b> ,		17
72	<b>2015</b> ,		17
71	Embedded Vision Sensor Network for Planogram Maintenance in Retail Environments. <i>Sensors</i> , <b>2015</b> , 15, 21114-33	3.8	15
70	Development of a low-cost Unmanned Surface Vehicle for digital survey <b>2015</b> ,		5
69	Human activity analysis for in-home fall risk assessment <b>2015</b> ,		10
68	Non-Contact Monitoring of Preterm Infants Using RGB-D Camera <b>2015</b> ,		10
67	Automatic Classification for Anti Mixup Events in Advanced Manufacturing System <b>2015</b> ,		6
66	Exposure protocol setup for agro food treatment. Method and system for developing an application for heating in reverberation chamber <b>2015</b> ,		2
65	A New Cloud Library for Integrated Surveys. <i>Advances in Geospatial Technologies Book Series</i> , <b>2015</b> , 579-606		3
64	Making Visible the Invisible. Augmented Reality Visualization for 3D Reconstructions of Archaeological Sites. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 25-37	0.9	14
63	Advanced Interaction with Paintings by Augmented Reality and High Resolution Visualization: A Real Case Exhibition. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 38-50	0.9	15
62	Energy Harvesting system for smart shoes <b>2014</b> ,		11
61	A stereovision system for dimensional measurements in industrial robotics applications <b>2014</b> ,		2
60	FEATURE GROUP MATCHING: A NOVEL METHOD TO FILTER OUT INCORRECT LOCAL FEATURE MATCHINGS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>2014</b> , 28, 1450012	1.1	7
59	Augmented Reality Experience: From High-Resolution Acquisition to Real Time Augmented Contents. <i>Advances in Multimedia</i> , <b>2014</b> , 2014, 1-9	0.9	24
58	Information Management for Intelligent Retail Environment: The Shelf Detector System. <i>Information (Switzerland)</i> , <b>2014</b> , 5, 255-271	2.6	18
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55	Indoor people localization and tracking using an energy harvesting smart floor <b>2014</b> ,		2
54	Real time out of shelf detection using embedded sensor network <b>2014</b> ,		1
53	A heuristic approach to evaluate occurrences of products for the planogram maintenance <b>2014</b> ,		4
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45	Road pavement crack automatic detection by MMS images <b>2013</b> ,		14
44	Energy Harvesting for Smart Shoes: A Real Life Application <b>2013</b> ,		5
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35	Coalition Formation for Unmanned Quadrotors <b>2011</b> ,		2
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32	Robot localization in urban environments using omnidirectional vision sensors and partial heterogeneous apriori knowledge <b>2010</b> ,		1
31	Autonomous safe landing of a vision guided helicopter <b>2010</b> ,		4
30	<b>2010</b> ,		4
29	<b>2010</b> ,		1
28	A framework based on vision sensors for the automatic management of exchange parking areas <b>2010</b> ,		4
27	A Vision-Based Guidance System for UAV Navigation and Safe Landing using Natural Landmarks. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2010</b> , 57, 233-257	2.9	114
26	Performance evaluation of automated approaches to building detection in multi-source aerial data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2010</b> , 65, 123-133	11.8	66
25	A Visual Global Positioning System for Unmanned Aerial Vehicles Used in Photogrammetric Applications <b>2010</b> , 157-168		1
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18	A Framework for Simulation and Testing of UAVs in Cooperative Scenarios <b>2008</b> , 307-329		3
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13	Prototype UAV helicopter working in cooperative environments <b>2007</b> ,		4
12	Automatic extraction of LIDAR data classification rules <b>2007</b> ,		1
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2	An offline parallel architecture for forensic multimedia classification. <i>Multimedia Tools and Applications</i> ,1	2.5	
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