

Antonio Fernandez-Caballero

List of Publications by Citations

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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.

266
papers

3,247
citations

30
h-index

47
g-index

303
ext. papers

3,863
ext. citations

2.6
avg, IF

5.7
L-index

#	Paper	IF	Citations
266	A survey of video datasets for human action and activity recognition. <i>Computer Vision and Image Understanding</i> , 2013 , 117, 633-659	4.3	257
265	Development of intelligent multisensor surveillance systems with agents. <i>Robotics and Autonomous Systems</i> , 2007 , 55, 892-903	3.5	90
264	Finding out general tendencies in speckle noise reduction in ultrasound images. <i>Expert Systems With Applications</i> , 2009 , 36, 7786-7797	7.8	89
263	Multimodal behavioral analysis for non-invasive stress detection. <i>Expert Systems With Applications</i> , 2012 , 39, 13376-13389	7.8	88
262	Electrodermal Activity Sensor for Classification of Calm/Distress Condition. <i>Sensors</i> , 2017 , 17,	3.8	87
261	Smart environment architecture for emotion detection and regulation. <i>Journal of Biomedical Informatics</i> , 2016 , 64, 55-73	10.2	84
260	Sensor-driven agenda for intelligent home care of the elderly. <i>Expert Systems With Applications</i> , 2012 , 39, 12192-12204	7.8	78
259	An optimization on pictogram identification for the road-sign recognition task using SVMs. <i>Computer Vision and Image Understanding</i> , 2010 , 114, 373-383	4.3	70
258	Artificial intelligence within the interplay between natural and artificial computation: Advances in data science, trends and applications. <i>Neurocomputing</i> , 2020 , 410, 237-270	5.4	67
257	Optical flow or image subtraction in human detection from infrared camera on mobile robot. <i>Robotics and Autonomous Systems</i> , 2010 , 58, 1273-1281	3.5	67
256	Model-driven engineering techniques for the development of multi-agent systems. <i>Engineering Applications of Artificial Intelligence</i> , 2012 , 25, 159-173	7.2	62
255	Software Architecture for Smart Emotion Recognition and Regulation of the Ageing Adult. <i>Cognitive Computation</i> , 2016 , 8, 357-367	4.4	59
254	Human activity monitoring by local and global finite state machines. <i>Expert Systems With Applications</i> , 2012 , 39, 6982-6993	7.8	52
253	Visual surveillance by dynamic visual attention method. <i>Pattern Recognition</i> , 2006 , 39, 2194-2211	7.7	51
252	Towards personalized recommendation by two-step modified Apriori data mining algorithm. <i>Expert Systems With Applications</i> , 2008 , 35, 1422-1429	7.8	50
251	A multi-modal approach for activity classification and fall detection. <i>International Journal of Systems Science</i> , 2014 , 45, 810-824	2.3	46
250	Real-time human segmentation in infrared videos. <i>Expert Systems With Applications</i> , 2011 , 38, 2577-2584	7.8	44

249	Spatio-temporal shape building from image sequences using lateral interaction in accumulative computation. <i>Pattern Recognition</i> , 2003 , 36, 1131-1142	7.7	38
248	Video sequence motion tracking by fuzzification techniques. <i>Applied Soft Computing Journal</i> , 2010 , 10, 318-331	7.5	37
247	A Review on the Role of Color and Light in Affective Computing. <i>Applied Sciences (Switzerland)</i> , 2015 , 5, 275-293	2.6	36
246	Modeling and implementing an agent-based environmental health impact decision support system. <i>Expert Systems With Applications</i> , 2009 , 36, 2603-2614	7.8	36
245	Road-traffic monitoring by knowledge-driven static and dynamic image analysis. <i>Expert Systems With Applications</i> , 2008 , 35, 701-719	7.8	35
244	Motion features to enhance scene segmentation in active visual attention. <i>Pattern Recognition Letters</i> , 2006 , 27, 469-478	4.7	35
243	On the use of agent technology in intelligent, multisensory and distributed surveillance. <i>Knowledge Engineering Review</i> , 2011 , 26, 191-208	2.1	34
242	Knowledge modelling for the motion detection task: the algorithmic lateral inhibition method. <i>Expert Systems With Applications</i> , 2004 , 27, 169-185	7.8	34
241	Lateral interaction in accumulative computation: a model for motion detection. <i>Neurocomputing</i> , 2003 , 50, 341-364	5.4	32
240	Vehicle Tracking by Simultaneous Detection and Viewpoint Estimation. <i>Lecture Notes in Computer Science</i> , 2013 , 306-316	0.9	32
239	Influence of Tempo and Rhythmic Unit in Musical Emotion Regulation. <i>Frontiers in Computational Neuroscience</i> , 2016 , 10, 80	3.5	32
238	A Review on Nonlinear Methods Using Electroencephalographic Recordings for Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , 2019 , 1-1	5.7	32
237	Estimation of Mental Distress from Photoplethysmography. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 69	2.6	30
236	On motion detection through a multi-layer neural network architecture. <i>Neural Networks</i> , 2003 , 16, 205-221	3.2	30
235	Multiscale Entropy Analysis for Recognition of Visually Elicited Negative Stress From EEG Recordings. <i>International Journal of Neural Systems</i> , 2019 , 29, 1850038	6.2	29
234	Agent-oriented modeling and development of a person-following mobile robot. <i>Expert Systems With Applications</i> , 2011 , 38, 4280-4290	7.8	29
233	Facial expression recognition in ageing adults: from lab to ambient assisted living. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2017 , 8, 567-578	3.7	28
232	Thermal-infrared pedestrian ROI extraction through thermal and motion information fusion. <i>Sensors</i> , 2014 , 14, 6666-76	3.8	28

231	Improvement of the Elderly Quality of Life and Care through Smart Emotion Regulation. <i>Lecture Notes in Computer Science</i> , 2014 , 348-355	0.9	28
230	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6395-6406	8.9	28
229	Human-Avatar Symbiosis for the Treatment of Auditory Verbal Hallucinations in Schizophrenia through Virtual/Augmented Reality and Brain-Computer Interfaces. <i>Frontiers in Neuroinformatics</i> , 2017 , 11, 64	3.9	27
228	A fuzzy model for human fall detection in infrared video. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013 , 24, 215-228	1.6	27
227	Dynamic visual attention model in image sequences. <i>Image and Vision Computing</i> , 2007 , 25, 597-613	3.7	27
226	Segmentation from motion of non-rigid objects by neuronal lateral interaction. <i>Pattern Recognition Letters</i> , 2001 , 22, 1517-1524	4.7	27
225	Social cognition remediation interventions: A systematic mapping review. <i>PLoS ONE</i> , 2019 , 14, e0218720	3.7	25
224	A Framework for Recognizing and Regulating Emotions in the Elderly. <i>Lecture Notes in Computer Science</i> , 2014 , 320-327	0.9	24
223	Dynamic stereoscopic selective visual attention (DSSVA): Integrating motion and shape with depth in video segmentation. <i>Expert Systems With Applications</i> , 2008 , 34, 1394-1402	7.8	24
222	Mobile robot map building from time-of-flight camera. <i>Expert Systems With Applications</i> , 2012 , 39, 8835-8843	7.8	23
221	Algorithmic lateral inhibition method in dynamic and selective visual attention task: Application to moving objects detection and labelling. <i>Expert Systems With Applications</i> , 2006 , 31, 570-594	7.8	23
220	A Taxonomy of Vision Systems for Ground Mobile Robots. <i>International Journal of Advanced Robotic Systems</i> , 2014 , 11, 111	1.4	22
219	Length-speed ratio (LSR) as a characteristic for moving elements real-time classification. <i>Real Time Imaging</i> , 2003 , 9, 49-59		21
218	Computer Vision in Autonomous Unmanned Aerial Vehicles: A Systematic Mapping Study. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3196	2.6	20
217	Artificial Neural Networks to Assess Emotional States from Brain-Computer Interface. <i>Electronics (Switzerland)</i> , 2018 , 7, 384	2.6	20
216	Selection of a Visible-Light vs. Thermal Infrared Sensor in Dynamic Environments Based on Confidence Measures. <i>Applied Sciences (Switzerland)</i> , 2014 , 4, 331-350	2.6	19
215	Stereovision depth analysis by two-dimensional motion charge memories. <i>Pattern Recognition Letters</i> , 2007 , 28, 20-30	4.7	19
214	Facial Expression Recognition from Webcam Based on Active Shape Models and Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2014 , 147-154	0.9	18

213	Real-time motion detection by lateral inhibition in accumulative computation. <i>Engineering Applications of Artificial Intelligence</i> , 2010 , 23, 129-139	7.2	18
212	Configurational Entropy in Multicomponent Alloys: Matrix Formulation from Ab Initio Based Hamiltonian and Application to the FCC Cr-Fe-Mn-Ni System. <i>Entropy</i> , 2019 , 21,	2.8	15
211	IDK and ICARO to develop multi-agent systems in support of Ambient Intelligence. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 28, 3-15	1.6	15
210	Arousal Level Classification in the Ageing Adult by Measuring Electrodermal Skin Conductivity. <i>Lecture Notes in Computer Science</i> , 2015 , 213-223	0.9	15
209	Determining heart parameters through left ventricular automatic segmentation for heart disease diagnosis. <i>Expert Systems With Applications</i> , 2009 , 36, 2234-2249	7.8	15
208	Deep Support Vector Machines for the Identification of Stress Condition from Electrodermal Activity. <i>International Journal of Neural Systems</i> , 2020 , 30, 2050031	6.2	14
207	INT3-Horus framework for multispectrum activity interpretation in intelligent environments. <i>Expert Systems With Applications</i> , 2013 , 40, 6715-6727	7.8	14
206	Generalized Proportional Integral Control for an Unmanned Quadrotor System. <i>International Journal of Advanced Robotic Systems</i> , 2015 , 12, 85	1.4	14
205	RGB-D assistive technologies for acquired brain injury: description and assessment of user experience. <i>Expert Systems</i> , 2015 , 32, 370-380	2.1	14
204	Robust Decentralized Nonlinear Control for a Twin Rotor MIMO System. <i>Sensors</i> , 2016 , 16,	3.8	14
203	Multi-Lag Analysis of Symbolic Entropies on EEG Recordings for Distress Recognition. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 40	3.9	13
202	Display text segmentation after learning best-fitted OCR binarization parameters. <i>Expert Systems With Applications</i> , 2012 , 39, 4032-4043	7.8	13
201	Real-time accumulative computation motion detectors. <i>Sensors</i> , 2009 , 9, 10044-65	3.8	13
200	Neural Correlates of Phrase Rhythm: An EEG Study of Bipartite vs. Rondo Sonata Form. <i>Frontiers in Neuroinformatics</i> , 2017 , 11, 29	3.9	12
199	Multi-camera systems for rehabilitation therapies: a study of the precision of Microsoft Kinect sensors. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2016 , 17, 348-364	2.2	12
198	Smart environment architecture for robust people detection by infrared and visible video fusion. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2017 , 8, 223-237	3.7	11
197	Modelling the Stereovision-Correspondence-Analysis task by Lateral Inhibition in Accumulative Computation problem-solving method. <i>Expert Systems With Applications</i> , 2007 , 33, 955-967	7.8	11
196	Elicitation of Emotions through Music: The Influence of Note Value. <i>Lecture Notes in Computer Science</i> , 2015 , 488-497	0.9	11

195	Recognition of Emotional States from EEG Signals with Nonlinear Regularity- and Predictability-Based Entropy Metrics. <i>Cognitive Computation</i> , 2021 , 13, 403-417	4.4	11
194	Neural Correlates of Phrase Quadrature Perception in Harmonic Rhythm: An EEG Study Using a Brain-Computer Interface. <i>International Journal of Neural Systems</i> , 2018 , 28, 1750054	6.2	10
193	Emotion Detection and Regulation from Personal Assistant Robot in Smart Environment. <i>Intelligent Systems Reference Library</i> , 2018 , 179-195	0.8	10
192	Engineering the development of systems for multisensory monitoring and activity interpretation. <i>International Journal of Systems Science</i> , 2014 , 45, 728-740	2.3	10
191	Multi-agent system for knowledge-based event recognition and composition. <i>Expert Systems</i> , 2011 , 28, 488-501	2.1	10
190	A historical perspective of algorithmic lateral inhibition and accumulative computation in computer vision. <i>Neurocomputing</i> , 2011 , 74, 1175-1181	5.4	10
189	Wireless Multisensory Interaction in an Intelligent Rehabilitation Environment. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 193-200	0.4	10
188	Model-Based Design of Adaptive User Interfaces through Connectors. <i>Lecture Notes in Computer Science</i> , 2003 , 245-257	0.9	10
187	A Multisensory Monitoring and Interpretation Framework Based on the ModelViewController Paradigm. <i>Lecture Notes in Computer Science</i> , 2011 , 441-450	0.9	10
186	An Agent-Based Decision Support System for Ecological-Medical Situation Analysis. <i>Lecture Notes in Computer Science</i> , 2007 , 511-520	0.9	9
185	Prometheus and INGENIAS Agent Methodologies: A Complementary Approach. <i>Lecture Notes in Computer Science</i> , 2009 , 131-144	0.9	9
184	Design of reliable virtual human facial expressions and validation by healthy people. <i>Integrated Computer-Aided Engineering</i> , 2020 , 27, 287-299	5.2	9
183	Acceptance and use of a multi-modal avatar-based tool for remediation of social cognition deficits. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 4513-4524	3.7	9
182	Pharmacological interventions in social cognition deficits: A systematic mapping review. <i>Psychiatry Research</i> , 2018 , 270, 57-67	9.9	9
181	Evaluation of environmental impact upon human health with DeciMaS framework. <i>Expert Systems With Applications</i> , 2012 , 39, 3469-3483	7.8	8
180	Knowledge modeling through computational agents: application to surveillance systems. <i>Expert Systems</i> , 2011 , 28, 306-323	2.1	8
179	Holonic Multi-agent Systems to Integrate Independent Multi-sensor Platforms in Complex Surveillance 2006 ,		8
178	Adaptive Interaction Multi-agent Systems in E-learning/E-teaching on the Web. <i>Lecture Notes in Computer Science</i> , 2003 , 144-153	0.9	8

177	The INGENIAS Methodology for Advanced Surveillance Systems Modelling. <i>Lecture Notes in Computer Science</i> , 2007 , 541-550	0.9	8
176	A Proposal for Local and Global Human Activities Identification. <i>Lecture Notes in Computer Science</i> , 2010 , 78-87	0.9	8
175	Stress Monitoring in Conflict Resolution Situations. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 137-144		8
174	Differences between young and older adults in physiological and subjective responses to emotion induction using films. <i>Scientific Reports</i> , 2020 , 10, 14548	4.9	8
173	Film mood induction and emotion classification using physiological signals for health and wellness promotion in older adults living alone. <i>Expert Systems</i> , 2020 , 37, e12425	2.1	8
172	A simulation tool for monitoring elderly who suffer from disorientation in a smart home. <i>Expert Systems</i> , 2015 , 32, 676-687	2.1	7
171	Emotion Detection in Ageing Adults from Physiological Sensors. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 253-261	0.4	7
170	ROSACE: Agent-Based Systems for Dynamic Task Allocation in Crisis Management. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 255-259		7
169	The impact of soft computing for the progress of artificial intelligence. <i>Applied Soft Computing Journal</i> , 2011 , 11, 1491-1492	7.5	7
168	A Review on Machine and Deep Learning for Semiconductor Defect Classification in Scanning Electron Microscope Images. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9508	2.6	7
167	Smart Computer-Assisted Cognitive Rehabilitation for the Ageing Population. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 197-205	0.4	7
166	Nonlinear predictability analysis of brain dynamics for automatic recognition of negative stress. <i>Neural Computing and Applications</i> , 2020 , 32, 13221-13231	4.8	7
165	Validation of dynamic virtual faces for facial affect recognition. <i>PLoS ONE</i> , 2021 , 16, e0246001	3.7	7
164	Evaluation of Color Preference for Emotion Regulation. <i>Lecture Notes in Computer Science</i> , 2015 , 479-487.	0.9	6
163	Model-to-model and model-to-text: looking for the automation of VigilAgent. <i>Expert Systems</i> , 2014 , 31, 199-212	2.1	6
162	Robust People Segmentation by Static Infrared Surveillance Camera. <i>Lecture Notes in Computer Science</i> , 2010 , 348-357	0.9	6
161	Parametric improvement of lateral interaction in accumulative computation in motion-based segmentation. <i>Neurocomputing</i> , 2008 , 71, 776-786	5.4	6
160	Collaborative Computer-Assisted Cognitive Rehabilitation System. <i>Advances in Distributed Computing and Artificial Intelligence Journal</i> , 2017 , 6, 57-74	0.4	6

159	Conditional Entropy Estimates for Distress Detection with EEG Signals. <i>Lecture Notes in Computer Science</i> , 2017 , 193-202	0.9	6
158	Accumulative Computation Method for Motion Features Extraction in Active Selective Visual Attention. <i>Lecture Notes in Computer Science</i> , 2005 , 206-215	0.9	6
157	Developing Multi-Agent Systems through Integrating Prometheus, INGENIAS and ICARO-T. <i>Communications in Computer and Information Science</i> , 2010 , 219-232	0.3	6
156	Using ICARO-T Framework for Reactive Agent-Based Mobile Robots. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 91-101		6
155	Human-robot interaction in Industry 4.0 based on an Internet of Things real-time gesture control system. <i>Integrated Computer-Aided Engineering</i> , 2021 , 28, 159-175	5.2	6
154	Feeling of Safety and Comfort towards a Socially Assistive Unmanned Aerial Vehicle That Monitors People in a Virtual Home. <i>Sensors</i> , 2021 , 21,	3.8	6
153	Nonlinear Methodologies Applied to Automatic Recognition of Emotions: An EEG Review. <i>Lecture Notes in Computer Science</i> , 2017 , 754-765	0.9	5
152	Human-Avatar Symbiosis in Cognitive Cybertherapies: Proof of Concept for Auditory Verbal Hallucinations. <i>Lecture Notes in Computer Science</i> , 2017 , 742-753	0.9	5
151	Body Area Networks in Healthcare: A Brief State of the Art. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3248	2.6	5
150	Intelligent multisensory systems in support of information society. <i>International Journal of Systems Science</i> , 2014 , 45, 711-713	2.3	5
149	On the identification and establishment of topological spatial relations by autonomous systems. <i>Connection Science</i> , 2014 , 26, 261-292	2.8	5
148	Multi-agent-based System Technologies in Environmental Issues. <i>Environmental Science and Engineering</i> , 2009 , 549-562	0.2	5
147	A conceptual frame with two neural mechanisms to model selective visual attention processes. <i>Neurocomputing</i> , 2008 , 71, 704-720	5.4	5
146	Facilitating MAS Complete Life Cycle through the Prometheus Approach 2008 , 63-72		5
145	Digital Technology for Internet Access by Patients With Early-Stage Schizophrenia in Spain: Multicenter Research Study. <i>Journal of Medical Internet Research</i> , 2019 , 21, e11824	7.6	5
144	SmartWalk BAN: Using Body Area Networks to Encourage Older Adults to Perform Physical Activity. <i>Electronics (Switzerland)</i> , 2021 , 10, 56	2.6	5
143	A Distributed Architecture for Multimodal Emotion Identification. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 125-132	0.4	5
142	A Model of Neural Inspiration for Local Accumulative Computation. <i>Lecture Notes in Computer Science</i> , 2003 , 427-435	0.9	5

141	Agent-Based Modeling of a Mobile Robot to Detect and Follow Humans. <i>Lecture Notes in Computer Science</i> , 2009 , 80-89	0.9	5
140	Segmenting Humans from Mobile Thermal Infrared Imagery. <i>Lecture Notes in Computer Science</i> , 2009 , 334-343	0.9	5
139	Efficient People Counting from Indoor Overhead Video Camera. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 129-137	0.4	5
138	Nonlinear Cascade-Based Control for a Twin Rotor MIMO System 2016 ,		5
137	Trajectory Planning of a Quadrotor to Monitor Dependent People. <i>Lecture Notes in Computer Science</i> , 2019 , 212-221	0.9	4
136	HOLDS: Efficient Fall Detection through Accelerometers and Computer Vision 2012 ,		4
135	A virtual learning environment for short age children [sic.: for 'short age' read 'young']		4
134	Multi-agent system for knowledge-based event recognition and composition 2011 , 28, 488		4
133	Gesture Control Wearables for Human-Machine Interaction in Industry 4.0. <i>Lecture Notes in Computer Science</i> , 2019 , 99-108	0.9	4
132	A Meta-ontological Framework for Multi-agent Systems Design. <i>Lecture Notes in Computer Science</i> , 2007 , 521-530	0.9	4
131	Model-Driven Integration of Organizational Models. <i>Lecture Notes in Computer Science</i> , 2009 , 1-15	0.9	4
130	People Detection in Color and Infrared Video Using HOG and Linear SVM. <i>Lecture Notes in Computer Science</i> , 2013 , 179-189	0.9	4
129	Study of Electroencephalographic Signal Regularity for Automatic Emotion Recognition. <i>Lecture Notes in Computer Science</i> , 2017 , 766-777	0.9	4
128	Arousal Detection in Elderly People from Electrodermal Activity Using Musical Stimuli. <i>Sensors</i> , 2020 , 20,	3.8	4
127	Facial Affect Recognition by Patients with Schizophrenia Using Human Avatars. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	4
126	Cross-sample entropy for the study of coordinated brain activity in calm and distress conditions with electroencephalographic recordings. <i>Neural Computing and Applications</i> , 2021 , 33, 9343-9352	4.8	4
125	A Multi-agent System Architecture for the Adaptation of User Interfaces. <i>Lecture Notes in Computer Science</i> , 2005 , 583-586	0.9	4
124	An Innovative Tool to Create Neurofeedback Games for ADHD Treatment. <i>Lecture Notes in Computer Science</i> , 2017 , 183-192	0.9	3

123	Stress Identification from Electrodermal Activity by Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2019 , 202-211	0.9	3
122	Development and Validation of Basic Virtual Human Facial Emotion Expressions. <i>Lecture Notes in Computer Science</i> , 2019 , 222-231	0.9	3
121	Emotion Detection in Aging Adults Through Continuous Monitoring of Electro-Dermal Activity and Heart-Rate Variability. <i>Lecture Notes in Computer Science</i> , 2019 , 252-261	0.9	3
120	. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 1-1	4.1	3
119	Experimentation on Emotion Regulation with Single-Colored Images. <i>Lecture Notes in Computer Science</i> , 2015 , 265-276	0.9	3
118	Robust Human Detection and Tracking in Intelligent Environments by Information Fusion of Color and Infrared Video 2011 ,		3
117	One-dimensional convolutional neural networks for low/high arousal classification from electrodermal activity. <i>Biomedical Signal Processing and Control</i> , 2022 , 71, 103203	4.9	3
116	Towards the Design of Avatar-Based Therapies for Enhancing Facial Affect Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 306-313	0.4	3
115	Hierarchical Architecture for Robust People Detection by Fusion of Infrared and Visible Video. <i>Studies in Computational Intelligence</i> , 2016 , 343-351	0.8	3
114	LED Strips for Color- and Illumination-Based Emotion Regulation at Home. <i>Lecture Notes in Computer Science</i> , 2015 , 277-287	0.9	3
113	Multi-agent-Based Framework for Prevention of Violence Against Women: Scenarios in Google Maps. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 277-285	0.4	3
112	Motorized Multi-camera Slider for Precise Monitoring of Physical Rehabilitation. <i>Lecture Notes in Computer Science</i> , 2016 , 21-27	0.9	3
111	Nonlinear Symbolic Assessment of Electroencephalographic Recordings for Negative Stress Recognition. <i>Lecture Notes in Computer Science</i> , 2017 , 203-212	0.9	3
110	A Distributed Tool to Perform Dynamic Therapies for Social Cognitive Deficit Through Avatars. <i>Lecture Notes in Computer Science</i> , 2017 , 731-741	0.9	3
109	Agent-Based Decision Making through Intelligent Knowledge Discovery. <i>Lecture Notes in Computer Science</i> , 2008 , 709-715	0.9	3
108	Clustering of Trajectories in Video Surveillance Using Growing Neural Gas. <i>Lecture Notes in Computer Science</i> , 2011 , 461-470	0.9	3
107	Towards Usability Evaluation of Multimodal Assistive Technologies Using RGB-D Sensors. <i>Lecture Notes in Computer Science</i> , 2013 , 210-219	0.9	3
106	Heart Attack Detection in Colour Images Using Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5065	2.6	3

105	LoRaWAN Scheduling: From Concept to Implementation. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 12919-12933	3	
104	Deliberative control components for eldercare robot team cooperation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 28, 17-28	1.6	2
103	Integration of Sensors in Control and Automation Systems. <i>Journal of Sensors</i> , 2017 , 2017, 1-2	2	2
102	Emotional Induction Through Films: A Model for the Regulation of Emotions. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 15-23	0.5	2
101	Cognitively-Inspired Computing for Gerontechnology. <i>Cognitive Computation</i> , 2016 , 8, 297-298	4.4	2
100	A Finite State Machine Approach to Algorithmic Lateral Inhibition for Real-Time Motion Detection. <i>Sensors</i> , 2018 , 18,	3.8	2
99	Accelerating bioinspired lateral interaction in accumulative computation for real-time moving object detection with graphics processing units. <i>Natural Computing</i> , 2019 , 18, 217-227	1.3	2
98	Color video segmentation by lateral inhibition in accumulative computation. <i>Signal, Image and Video Processing</i> , 2014 , 8, 1179-1188	1.6	2
97	A Grand Challenge for Vision Systems: Improving the Quality of Life and Care of Aging Adults. <i>Frontiers in Robotics and AI</i> , 2015 , 2,	2.8	2
96	Trends in Practical Applications of Agents, Multi-Agent Systems and Sustainability. <i>Advances in Intelligent Systems and Computing</i> , 2015 ,	0.4	2
95	Lateral inhibition in accumulative computation and fuzzy sets for human fall pattern recognition in colour and infrared imagery. <i>Scientific World Journal, The</i> , 2013 , 2013, 935026	2.2	2
94	Hybrid models in agent-based environmental decision support. <i>Applied Soft Computing Journal</i> , 2011 , 11, 5243-5258	7.5	2
93	A Framework for Multisensory Intelligent Monitoring and Interpretation of Behaviors through Information Fusion 2011 ,		2
92	Augmented Humanity: A Systematic Mapping Review.. <i>Sensors</i> , 2022 , 22,	3.8	2
91	Towards a Semi-automatic Situation Diagnosis System in Surveillance Tasks. <i>Lecture Notes in Computer Science</i> , 2007 , 90-98	0.9	2
90	Robust human detection through fusion of color and infrared video. <i>Electronic Letters on Computer Vision and Image Analysis</i> , 2014 , 13, 17	1.2	2
89	Assisting Dependent People at Home Through Autonomous Unmanned Aerial Vehicles. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 216-223	0.4	2
88	A Multi-agent System for Infrared and Color Video Fusion. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 131-138	0.4	2

87	Holonic Multi-agent System Model for Fuzzy Automatic Speech / Speaker Recognition 2008 , 73-82		2
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