

Antonio Fernandez-Caballero

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.

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	Integration of Sensors in Control and Automation Systems 2020. <i>Journal of Sensors</i> , 2022 , 2022, 1-3	2	1
265	Augmented Humanity: A Systematic Mapping Review.. <i>Sensors</i> , 2022 , 22,	3.8	2
264	Optimal Feature Selection for Defect Classification in Semiconductor Wafers. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2022 , 1-1	2.6	1
263	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
262	Physical Exercise Effects on University Students' Attention: An EEG Analysis Approach. <i>Electronics (Switzerland)</i> , 2022 , 11, 770	2.6	1
261	Influence of the Level of Immersion in Emotion Recognition Using Virtual Humans. <i>Lecture Notes in Computer Science</i> , 2022 , 464-474	0.9	
260	Vision-Based Human Posture Detection from a Virtual Home-Care Unmanned Aerial Vehicle. <i>Lecture Notes in Computer Science</i> , 2022 , 482-491	0.9	
259	Multi-agent LoRaWAN Network for End-of-Life Management of Electric Vehicle Batteries. <i>Lecture Notes in Computer Science</i> , 2022 , 505-514	0.9	
258	Influence of Neutral Stimuli on Brain Activity Baseline in Emotional Experiments. <i>Lecture Notes in Computer Science</i> , 2022 , 475-484	0.9	
257	Detection of Unknown Defects in Semiconductor Materials from a Hybrid Deep and Machine Learning Approach. <i>Lecture Notes in Computer Science</i> , 2022 , 356-365	0.9	
256	SmartWalk BAN: Using Body Area Networks to Encourage Older Adults to Perform Physical Activity. <i>Electronics (Switzerland)</i> , 2021 , 10, 56	2.6	5
255	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
254	Facial Affect Recognition by Patients with Schizophrenia Using Human Avatars. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	4
253	Determining the ambient influences and configuration of optimised environments for emotional wellbeing of older adults. <i>Ergonomics</i> , 2021 , 64, 1146-1159	2.9	0
252	Facial Emotion Recognition from an Unmanned Flying Social Robot for Home Care of Dependent People. <i>Electronics (Switzerland)</i> , 2021 , 10, 868	2.6	1
251	Generalised Proportional Integral Control for Magnetic Levitation Systems Using a Tangent Linearisation Approach. <i>Mathematics</i> , 2021 , 9, 1424	2.3	0
250	Psychosocial remediation in depressive disorders: A systematic review. <i>Journal of Affective Disorders</i> , 2021 , 290, 40-51	6.6	2

249	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
248	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
247	Application of Dispersion Entropy for the Detection of Emotions with Electroencephalographic Signals. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 1-1	3	1
246	Detection of Emotions from Electroencephalographic Recordings by Means of a Nonlinear Functional Connectivity Measure. <i>Lecture Notes in Computer Science</i> , 2021 , 242-252	0.9	
245	Validation of dynamic virtual faces for facial affect recognition. <i>PLoS ONE</i> , 2021 , 16, e0246001	3.7	7
244	Analysis of Electroencephalographic Signals from a Brain-Computer Interface for Emotions Detection. <i>Lecture Notes in Computer Science</i> , 2021 , 219-229	0.9	
243	How Interpersonal Distance Between Avatar and Human Influences Facial Affect Recognition in Immersive Virtual Reality. <i>Frontiers in Psychology</i> , 2021 , 12, 675515	3.4	2
242	LoRaWAN Scheduling: From Concept to Implementation. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 12919-12933	3.3	3
241	SHAPING ENVIRONMENTS CONDUCIVE TO EMOTIONAL WELL-BEING FOR ELDERLY PEOPLE WITH INCIPIENT COGNITIVE IMPAIRMENT. <i>Dyna (Spain)</i> , 2021 , 96, 447-447	0.4	
240	Assessment of dispersion patterns for negative stress detection from electroencephalographic signals. <i>Pattern Recognition</i> , 2021 , 119, 108094	7.7	1
239	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
238	Feature and Time Series Extraction in Artificial Neural Networks for Arousal Detection from Electrodermal Activity. <i>Lecture Notes in Computer Science</i> , 2021 , 265-276	0.9	
237	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
236	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
235	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
234	. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020 , 1-1	4.1	3
233	Motorized Circular Rail with RGB-D Sensor on Cart for Physical Rehabilitation. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 207-215	0.4	
232	Assisting Dependent People at Home Through Autonomous Unmanned Aerial Vehicles. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 216-223	0.4	2

231	Gesture Control System for Industry 4.0 Human-Robot Interaction A Usability Test. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 54-61	0.4	1
230	Intelligent trajectory planner and generalised proportional integral control for two carts equipped with a red-green-blue depth sensor on a circular rail. <i>Integrated Computer-Aided Engineering</i> , 2020 , 27, 267-285	5.2	2
229	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
228	Electroencephalographic spectral analysis from a wireless low-cost brain-computer interface for symptom capture of auditory verbal hallucinations in schizophrenia. <i>Schizophrenia Research</i> , 2020 , 220, 297-299	3.6	2
227	Arousal Detection in Elderly People from Electrodermal Activity Using Musical Stimuli. <i>Sensors</i> , 2020 , 20,	3.8	4
226	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
225	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
224	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
223	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
222	Computer Vision in Autonomous Unmanned Aerial Vehicles A Systematic Mapping Study. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3196	2.6	20
221	Stress Identification from Electrodermal Activity by Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2019 , 202-211	0.9	3
220	Social cognition remediation interventions: A systematic mapping review. <i>PLoS ONE</i> , 2019 , 14, e0218720	3.7	25
219	Multi-Lag Analysis of Symbolic Entropies on EEG Recordings for Distress Recognition. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 40	3.9	13
218	Development and Validation of Basic Virtual Human Facial Emotion Expressions. <i>Lecture Notes in Computer Science</i> , 2019 , 222-231	0.9	3
217	Advanced Trajectory Generator for Two Carts with RGB-D Sensor on Circular Rail. <i>Lecture Notes in Computer Science</i> , 2019 , 181-190	0.9	1
216	Trajectory Planning of a Quadrotor to Monitor Dependent People. <i>Lecture Notes in Computer Science</i> , 2019 , 212-221	0.9	4
215	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
214	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

213	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
212	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
211	Body Area Networks in Healthcare: A Brief State of the Art. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3248	2.6	5
210	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
209	Multilag Extension of Quadratic Sample Entropy for Distress Recognition with EEG Recordings. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 274-281	0.4	
208	Testing a New Methodology for Accelerating the Computation of Quadratic Sample Entropy in Emotion Recognition Systems. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 256-264	0.4	
207	An Innovative Tool to Get Better at Expressing Facial Emotions. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 290-297	0.4	
206	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
205	Gesture Control Wearables for Human-Machine Interaction in Industry 4.0. <i>Lecture Notes in Computer Science</i> , 2019 , 99-108	0.9	4
204	Distributed Architecture for Acquisition and Processing of Physiological Signals. <i>Proceedings (mdpi)</i> , 2019 , 31, 30	0.3	
203	Heart Attack Detection in Colour Images Using Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5065	2.6	3
202	Memory Retrieval in Ageing Adults through Traditional Music Genres—An Experiment Based on Electroencephalography Signals. <i>Proceedings (mdpi)</i> , 2019 , 31, 33	0.3	
201	A Review on Nonlinear Methods Using Electroencephalographic Recordings for Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , 2019 , 1-1	5.7	32
200	Optimization of lateral interaction in accumulative computation on GPU-based platform. <i>Journal of Supercomputing</i> , 2019 , 75, 1670-1685	2.5	1
199	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
198	A novel characterisation-based algorithm to discover new knowledge from classification datasets without use of support. <i>Expert Systems With Applications</i> , 2018 , 93, 223-231	7.8	
197	Emotion Detection and Regulation from Personal Assistant Robot in Smart Environment. <i>Intelligent Systems Reference Library</i> , 2018 , 179-195	0.8	10
196	Estimation of Mental Distress from Photoplethysmography. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 69	2.6	30

195	A Finite State Machine Approach to Algorithmic Lateral Inhibition for Real-Time Motion Detection. <i>Sensors</i> , 2018 , 18,	3.8	2
194	Artificial Neural Networks to Assess Emotional States from Brain-Computer Interface. <i>Electronics (Switzerland)</i> , 2018 , 7, 384	2.6	20
193	Pharmacological interventions in social cognition deficits: A systematic mapping review. <i>Psychiatry Research</i> , 2018 , 270, 57-67	9.9	9
192	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
191	An Innovative Tool to Create Neurofeedback Games for ADHD Treatment. <i>Lecture Notes in Computer Science</i> , 2017 , 183-192	0.9	3
190	Nonlinear Methodologies Applied to Automatic Recognition of Emotions: An EEG Review. <i>Lecture Notes in Computer Science</i> , 2017 , 754-765	0.9	5
189	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
188	Integration of Sensors in Control and Automation Systems. <i>Journal of Sensors</i> , 2017 , 2017, 1-2	2	2
187	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
186	Electrodermal Activity Sensor for Classification of Calm/Distress Condition. <i>Sensors</i> , 2017 , 17,	3.8	87
185	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
184	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
183	Collaborative Computer-Assisted Cognitive Rehabilitation System. <i>Advances in Distributed Computing and Artificial Intelligence Journal</i> , 2017 , 6, 57-74	0.4	6
182	Conditional Entropy Estimates for Distress Detection with EEG Signals. <i>Lecture Notes in Computer Science</i> , 2017 , 193-202	0.9	6
181	Nonlinear Symbolic Assessment of Electroencephalographic Recordings for Negative Stress Recognition. <i>Lecture Notes in Computer Science</i> , 2017 , 203-212	0.9	3
180	Acceleration of Moving Object Detection in Bio-Inspired Computer Vision. <i>Lecture Notes in Computer Science</i> , 2017 , 364-373	0.9	1
179	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
178	Smart Computer-Assisted Cognitive Rehabilitation for Visually Impaired People. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 121-130	0.4	

177	Study of Electroencephalographic Signal Regularity for Automatic Emotion Recognition. <i>Lecture Notes in Computer Science</i> , 2017 , 766-777	0.9	4
176	Emotional Induction Through Films: A Model for the Regulation of Emotions. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 15-23	0.5	2
175	Cognitively-Inspired Computing for Gerontechnology. <i>Cognitive Computation</i> , 2016 , 8, 297-298	4.4	2
174	ARISTARKO: A Software Framework for Physiological Data Acquisition. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 215-223	0.4	1
173	Software Architecture for Smart Emotion Recognition and Regulation of the Ageing Adult. <i>Cognitive Computation</i> , 2016 , 8, 357-367	4.4	59
172	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
171	Smart Computer-Assisted Cognitive Rehabilitation for the Ageing Population. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 197-205	0.4	7
170	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
169	Motorized Multi-camera Slider for Precise Monitoring of Physical Rehabilitation. <i>Lecture Notes in Computer Science</i> , 2016 , 21-27	0.9	3
168	Real-Time Detection of Pedestrians. <i>Advances in Linguistics and Communication Studies</i> , 2016 , 225-243	0.3	
167	Nonlinear Cascade-Based Control for a Twin Rotor MIMO System 2016 ,		5
166	Influence of Tempo and Rhythmic Unit in Musical Emotion Regulation. <i>Frontiers in Computational Neuroscience</i> , 2016 , 10, 80	3.5	32
165	Robust Decentralized Nonlinear Control for a Twin Rotor MIMO System. <i>Sensors</i> , 2016 , 16,	3.8	14
164	. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6395-6406	8.9	28
163	Non-linear EEG Modelling by Using Quadratic Entropy for Arousal Level Classification. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 3-13	0.5	2
162	EEG Mapping for Arousal Level Quantification Using Dynamic Quadratic Entropy. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 207-214	0.4	2
161	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
160	Smart environment architecture for emotion detection and regulation. <i>Journal of Biomedical Informatics</i> , 2016 , 64, 55-73	10.2	84

159	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
158	Deliberative control components for eldercare robot team cooperation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015 , 28, 17-28	1.6	2
157	Evaluation of Color Preference for Emotion Regulation. <i>Lecture Notes in Computer Science</i> , 2015 , 479-487.	0.9	6
156	Computational biomodel of motion parallax for multiview 3D video conferencing. <i>Neurocomputing</i> , 2015 , 151, 108-115	5.4	1
155	Generalized Proportional Integral Control for an Unmanned Quadrotor System. <i>International Journal of Advanced Robotic Systems</i> , 2015 , 12, 85	1.4	14
154	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
153	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
152	A Review on the Role of Color and Light in Affective Computing. <i>Applied Sciences (Switzerland)</i> , 2015 , 5, 275-293	2.6	36
151	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
150	Emotion Detection in Ageing Adults from Physiological Sensors. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 253-261	0.4	7
149	Trends in Practical Applications of Agents, Multi-Agent Systems and Sustainability. <i>Advances in Intelligent Systems and Computing</i> , 2015 ,	0.4	2
148	My Kinect Is Looking at Me - Application to Rehabilitation. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 233-241	0.4	
147	Robust Linear Longitudinal Feedback Control of a Flapping Wing Micro Air Vehicle. <i>Lecture Notes in Computer Science</i> , 2015 , 449-458	0.9	
146	Experimentation on Emotion Regulation with Single-Colored Images. <i>Lecture Notes in Computer Science</i> , 2015 , 265-276	0.9	3
145	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
144	Elicitation of Emotions through Music: The Influence of Note Value. <i>Lecture Notes in Computer Science</i> , 2015 , 488-497	0.9	11
143	A Distributed Architecture for Multimodal Emotion Identification. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 125-132	0.4	5
142	LED Strips for Color- and Illumination-Based Emotion Regulation at Home. <i>Lecture Notes in Computer Science</i> , 2015 , 277-287	0.9	3

141	How Many Kinects Should Look At You? A Multi-Agent System Approach. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 105-112	0.4	1
140	Intelligent multisensory systems in support of information society. <i>International Journal of Systems Science</i> , 2014 , 45, 711-713	2.3	5
139	Color video segmentation by lateral inhibition in accumulative computation. <i>Signal, Image and Video Processing</i> , 2014 , 8, 1179-1188	1.6	2
138	A Taxonomy of Vision Systems for Ground Mobile Robots. <i>International Journal of Advanced Robotic Systems</i> , 2014 , 11, 111	1.4	22
137	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
136	A multi-modal approach for activity classification and fall detection. <i>International Journal of Systems Science</i> , 2014 , 45, 810-824	2.3	46
135	A Framework for Recognizing and Regulating Emotions in the Elderly. <i>Lecture Notes in Computer Science</i> , 2014 , 320-327	0.9	24
134	Thermal-infrared pedestrian ROI extraction through thermal and motion information fusion. <i>Sensors</i> , 2014 , 14, 6666-76	3.8	28
133	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
132	Model-to-model and model-to-text: looking for the automation of VigilAgent. <i>Expert Systems</i> , 2014 , 31, 199-212	2.1	6
131	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
130	On the identification and establishment of topological spatial relations by autonomous systems. <i>Connection Science</i> , 2014 , 26, 261-292	2.8	5
129	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
128	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
127	A Multi-agent System for Infrared and Color Video Fusion. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 131-138	0.4	2
126	Wireless Multisensory Interaction in an Intelligent Rehabilitation Environment. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 193-200	0.4	10
125	A multisensor system for positioning of multiple users 2014 ,		2
124	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

123	INT3-Horus framework for multispectrum activity interpretation in intelligent environments. <i>Expert Systems With Applications</i> , 2013 , 40, 6715-6727	7.8	14
122	A methodological approach to mining and simulating data in complex information systems. <i>Intelligent Data Analysis</i> , 2013 , 17, 753-769	1.1	
121	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
120	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
119	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
118	Towards Usability Evaluation of Multimodal Assistive Technologies Using RGB-D Sensors. <i>Lecture Notes in Computer Science</i> , 2013 , 210-219	0.9	3
117	Vehicle Tracking by Simultaneous Detection and Viewpoint Estimation. <i>Lecture Notes in Computer Science</i> , 2013 , 306-316	0.9	32
116	Fusion of Overhead and Lateral View Video for Enhanced People Counting. <i>Lecture Notes in Computer Science</i> , 2013 , 220-229	0.9	
115	Evaluation of a 3D Video Conference System Based on Multi-camera Motion Parallax. <i>Lecture Notes in Computer Science</i> , 2013 , 159-168	0.9	
114	Efficient People Counting from Indoor Overhead Video Camera. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 129-137	0.4	5
113	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
112	Evaluation of environmental impact upon human health with DeciMaS framework. <i>Expert Systems With Applications</i> , 2012 , 39, 3469-3483	7.8	8
111	Display text segmentation after learning best-fitted OCR binarization parameters. <i>Expert Systems With Applications</i> , 2012 , 39, 4032-4043	7.8	13
110	Human activity monitoring by local and global finite state machines. <i>Expert Systems With Applications</i> , 2012 , 39, 6982-6993	7.8	52
109	Mobile robot map building from time-of-flight camera. <i>Expert Systems With Applications</i> , 2012 , 39, 8835-8843	7.8	23
108	2012 ,		1
107	HOLDS: Efficient Fall Detection through Accelerometers and Computer Vision 2012 ,		4
106	Sensor-driven agenda for intelligent home care of the elderly. <i>Expert Systems With Applications</i> , 2012 , 39, 12192-12204	7.8	78

105	Fuzzy Sets for Human Fall Pattern Recognition. <i>Lecture Notes in Computer Science</i> , 2012 , 117-126	0.9	1
104	Multimodal behavioral analysis for non-invasive stress detection. <i>Expert Systems With Applications</i> , 2012 , 39, 13376-13389	7.8	88
103	ROSACE: Agent-Based Systems for Dynamic Task Allocation in Crisis Management. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 255-259		7
102	Stress Monitoring in Conflict Resolution Situations. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 137-144		8
101	Implementation and Assessment of Robot Team Cooperation Models Using Deliberative Control Components. <i>Lecture Notes in Computer Science</i> , 2012 , 412-421	0.9	
100	Development of a Code Generator for the ICARO Agent Framework. <i>Lecture Notes in Computer Science</i> , 2012 , 402-411	0.9	
99	Fuzzy Decision Making Model for Human Fall Detection and Inactivity Monitoring. <i>Smart Innovation, Systems and Technologies</i> , 2012 , 215-224	0.5	1
98	A Meta-model-Based Tool for Developing Monitoring and Activity Interpretation Systems. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 113-120		1
97	Sensor-Driven Intelligent Ambient Agenda. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 19-26		
96	Multi-agent system for knowledge-based event recognition and composition. <i>Expert Systems</i> , 2011 , 28, 488-501	2.1	10
95	Knowledge modeling through computational agents: application to surveillance systems. <i>Expert Systems</i> , 2011 , 28, 306-323	2.1	8
94	Hybrid models in agent-based environmental decision support. <i>Applied Soft Computing Journal</i> , 2011 , 11, 5243-5258	7.5	2
93	Real-time human segmentation in infrared videos. <i>Expert Systems With Applications</i> , 2011 , 38, 2577-2584	7.8	44
92	The impact of soft computing for the progress of artificial intelligence. <i>Applied Soft Computing Journal</i> , 2011 , 11, 1491-1492	7.5	7
91	Agent-oriented modeling and development of a person-following mobile robot. <i>Expert Systems With Applications</i> , 2011 , 38, 4280-4290	7.8	29
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