

Antonio Fernández-Caballero

List of Publications by Year in descending order

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Version: 2024-02-01

275
papers

4,566
citations

117571

34
h-index

149623

56
g-index

304
all docs

304
docs citations

304
times ranked

3480
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-design of avatars to embody auditory hallucinations of patients with schizophrenia. <i>Virtual Reality</i> , 2023, 27, 217-232.	4.1	4
2	Comparison of RGB-D and IMU-based gesture recognition for human-robot interaction in remanufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2023, 124, 3099-3111.	1.5	7
3	Application of Dispersion Entropy for the Detection of Emotions With Electroencephalographic Signals. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2022, 14, 1179-1187.	2.6	6
4	One-dimensional convolutional neural networks for low/high arousal classification from electrodermal activity. <i>Biomedical Signal Processing and Control</i> , 2022, 71, 103203.	3.5	14
5	Integration of Sensors in Control and Automation Systems 2020. <i>Journal of Sensors</i> , 2022, 2022, 1-3.	0.6	3
6	Augmented Humanity: A Systematic Mapping Review. <i>Sensors</i> , 2022, 22, 514.	2.1	10
7	Optimal Feature Selection for Defect Classification in Semiconductor Wafers. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2022, 35, 324-331.	1.4	17
8	Physical Exercise Effects on University Students's Attention: An EEG Analysis Approach. <i>Electronics (Switzerland)</i> , 2022, 11, 770.	1.8	1
9	Video Processing from a Virtual Unmanned Aerial Vehicle: Comparing Two Approaches to Using OpenCV in Unity. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5958.	1.3	3
10	Geometric transformation-based data augmentation on defect classification of segmented images of semiconductor materials using a ResNet50 convolutional neural network. <i>Expert Systems With Applications</i> , 2022, 206, 117731.	4.4	29
11	A Review on Nonlinear Methods Using Electroencephalographic Recordings for Emotion Recognition. <i>IEEE Transactions on Affective Computing</i> , 2021, 12, 801-820.	5.7	69
12	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.	2.5	14
13	Recognition of Emotional States from EEG Signals with Nonlinear Regularity- and Predictability-Based Entropy Metrics. <i>Cognitive Computation</i> , 2021, 13, 403-417.	3.6	16
14	Detection of Emotions from Electroencephalographic Recordings by Means of a Nonlinear Functional Connectivity Measure. <i>Lecture Notes in Computer Science</i> , 2021, , 242-252.	1.0	0
15	Validation of dynamic virtual faces for facial affect recognition. <i>PLoS ONE</i> , 2021, 16, e0246001.	1.1	12
16	Analysis of Electroencephalographic Signals from a Brain-Computer Interface for Emotions Detection. <i>Lecture Notes in Computer Science</i> , 2021, , 219-229.	1.0	2
17	Facial Affect Recognition by Patients with Schizophrenia Using Human Avatars. <i>Journal of Clinical Medicine</i> , 2021, 10, 1904.	1.0	11
18	Determining the ambient influences and configuration of optimised environments for emotional wellbeing of older adults. <i>Ergonomics</i> , 2021, 64, 1146-1159.	1.1	2

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19	Facial Emotion Recognition from an Unmanned Flying Social Robot for Home Care of Dependent People. <i>Electronics (Switzerland)</i> , 2021, 10, 868.	1.8	10
20	Generalised Proportional Integral Control for Magnetic Levitation Systems Using a Tangent Linearisation Approach. <i>Mathematics</i> , 2021, 9, 1424.	1.1	5
21	Psychosocial remediation in depressive disorders: A systematic review. <i>Journal of Affective Disorders</i> , 2021, 290, 40-51.	2.0	6
22	How Interpersonal Distance Between Avatar and Human Influences Facial Affect Recognition in Immersive Virtual Reality. <i>Frontiers in Psychology</i> , 2021, 12, 675515.	1.1	18
23	LoRaWAN Scheduling: From Concept to Implementation. <i>IEEE Internet of Things Journal</i> , 2021, 8, 12919-12933.	5.5	14
24	SHAPING ENVIRONMENTS CONDUCIVE TO EMOTIONAL WELL-BEING FOR ELDERLY PEOPLE WITH INCIPIENT COGNITIVE IMPAIRMENT. <i>Dyna (Spain)</i> , 2021, 96, 447-447.	0.1	0
25	Assessment of dispersion patterns for negative stress detection from electroencephalographic signals. <i>Pattern Recognition</i> , 2021, 119, 108094.	5.1	10
26	Feeling of Safety and Comfort towards a Socially Assistive Unmanned Aerial Vehicle That Monitors People in a Virtual Home. <i>Sensors</i> , 2021, 21, 908.	2.1	14
27	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.	1.0	0
28	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.	3.2	6
29	SmartWalk BAN: Using Body Area Networks to Encourage Older Adults to Perform Physical Activity. <i>Electronics (Switzerland)</i> , 2021, 10, 56.	1.8	7
30	A Review on Machine and Deep Learning for Semiconductor Defect Classification in Scanning Electron Microscope Images. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9508.	1.3	21
31	Security Mechanisms of a Mobile Health Application for Promoting Physical Activity among Older Adults. <i>Sensors</i> , 2021, 21, 7323.	2.1	1
32	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.	2.9	14
33	Nonlinear predictability analysis of brain dynamics for automatic recognition of negative stress. <i>Neural Computing and Applications</i> , 2020, 32, 13221-13231.	3.2	15
34	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.	3.3	18
35	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.	2.5	5
36	Design of reliable virtual human facial expressions and validation by healthy people. <i>Integrated Computer-Aided Engineering</i> , 2020, 27, 287-299.	2.5	19

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37	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.	1.1	3
38	Arousal Detection in Elderly People from Electrodermal Activity Using Musical Stimuli. <i>Sensors</i> , 2020, 20, 4788.	2.1	15
39	Differences between young and older adults in physiological and subjective responses to emotion induction using films. <i>Scientific Reports</i> , 2020, 10, 14548.	1.6	21
40	Artificial intelligence within the interplay between natural and artificial computation: Advances in data science, trends and applications. <i>Neurocomputing</i> , 2020, 410, 237-270.	3.5	121
41	Deep Support Vector Machines for the Identification of Stress Condition from Electrodermal Activity. <i>International Journal of Neural Systems</i> , 2020, 30, 2050031.	3.2	29
42	Special Issue on Body Area Networks. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3540.	1.3	0
43	Virtual Reality Simulation of a Quadrotor to Monitor Dependent People at Home. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2020, , 1-1.	3.2	7
44	Assisting Dependent People at Home Through Autonomous Unmanned Aerial Vehicles. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 216-223.	0.5	4
45	Gesture Control System for Industry 4.0 Human-Robot Interaction – A Usability Test. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 54-61.	0.5	2
46	Motorized Circular Rail with RGB-D Sensor on Cart for Physical Rehabilitation. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 207-215.	0.5	0
47	ENHANCING LEARNING OF ECONOMICS CONCEPTS BY STAGGERED PRACTICAL WORKS WITHIN THE DEGREES OF INDUSTRIAL ENGINEERING AT UNIVERSIDAD DE CASTILLA-LA MANCHA. <i>INTED Proceedings</i> , 2020, , .	0.0	1
48	ECONOMICS 4.0: A PROPOSAL OF A TRAINING COMPLEMENT FOR THE DEVELOPMENT OF FINAL DEGREE PROJECTS IN INDUSTRIAL ENGINEERING PROGRAMS AT UNIVERSIDAD DE CASTILLA-LA MANCHA IN THE NEW INDUSTRY 4.0 ERA. <i>INTED Proceedings</i> , 2020, , .	0.0	1
49	A PROPOSAL TO IMPROVE PRACTICAL SKILLS LEARNING IN MOBILE ROBOTICS THROUGH LEGO MINDSTORMS NXT. <i>INTED Proceedings</i> , 2020, , .	0.0	1
50	TOWARDS INDUSTRY 4.0: USING LEGO MINDSTORMS AND ANDROID FOR THE DEVELOPMENT OF FINAL DEGREE PROJECTS IN INDUSTRIAL ENGINEERING PROGRAMS. <i>INTED Proceedings</i> , 2020, , .	0.0	2
51	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.	1.8	2
52	Multiscale Entropy Analysis for Recognition of Visually Elicited Negative Stress From EEG Recordings. <i>International Journal of Neural Systems</i> , 2019, 29, 1850038.	3.2	43
53	Body Area Networks in Healthcare: A Brief State of the Art. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3248.	1.3	9
54	Editorial: Physiological Computing of Social Cognition. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 326.	1.0	1

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55	Computer Vision in Autonomous Unmanned Aerial Vehicles – A Systematic Mapping Study. Applied Sciences (Switzerland), 2019, 9, 3196.	1.3	41
56	Stress Identification from Electrodermal Activity by Support Vector Machines. Lecture Notes in Computer Science, 2019, , 202-211.	1.0	3
57	Social cognition remediation interventions: A systematic mapping review. PLoS ONE, 2019, 14, e0218720.	1.1	44
58	Multi-Lag Analysis of Symbolic Entropies on EEG Recordings for Distress Recognition. Frontiers in Neuroinformatics, 2019, 13, 40.	1.3	21
59	Development and Validation of Basic Virtual Human Facial Emotion Expressions. Lecture Notes in Computer Science, 2019, , 222-231.	1.0	3
60	Advanced Trajectory Generator for Two Carts with RGB-D Sensor on Circular Rail. Lecture Notes in Computer Science, 2019, , 181-190.	1.0	1
61	Trajectory Planning of a Quadrotor to Monitor Dependent People. Lecture Notes in Computer Science, 2019, , 212-221.	1.0	4
62	Emotion Detection in Aging Adults Through Continuous Monitoring of Electro-Dermal Activity and Heart-Rate Variability. Lecture Notes in Computer Science, 2019, , 252-261.	1.0	3
63	Configurational Entropy in Multicomponent Alloys: Matrix Formulation from Ab Initio Based Hamiltonian and Application to the FCC Cr-Fe-Mn-Ni System. Entropy, 2019, 21, 68.	1.1	24
64	Distributed Architecture for Acquisition and Processing of Physiological Signals. Proceedings (mdpi), 2019, 31, .	0.2	0
65	Heart Attack Detection in Colour Images Using Convolutional Neural Networks. Applied Sciences (Switzerland), 2019, 9, 5065.	1.3	11
66	Memory Retrieval in Ageing Adults through Traditional Music Genres – An Experiment Based on Electroencephalography Signals. Proceedings (mdpi), 2019, 31, .	0.2	0
67	Optimization of lateral interaction in accumulative computation on GPU-based platform. Journal of Supercomputing, 2019, 75, 1670-1685.	2.4	1
68	Towards the Design of Avatar-Based Therapies for Enhancing Facial Affect Recognition. Advances in Intelligent Systems and Computing, 2019, , 306-313.	0.5	4
69	Gesture Control Wearables for Human-Machine Interaction in Industry 4.0. Lecture Notes in Computer Science, 2019, , 99-108.	1.0	4
70	Digital Technology for Internet Access by Patients With Early-Stage Schizophrenia in Spain: Multicenter Research Study. Journal of Medical Internet Research, 2019, 21, e11824.	2.1	12
71	Multilag Extension of Quadratic Sample Entropy for Distress Recognition with EEG Recordings. Advances in Intelligent Systems and Computing, 2019, , 274-281.	0.5	0
72	An Innovative Tool to Get Better at Expressing Facial Emotions. Advances in Intelligent Systems and Computing, 2019, , 290-297.	0.5	0

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73	Neural Correlates of Phrase Quadrature Perception in Harmonic Rhythm: An EEG Study Using a Brain-Computer Interface. International Journal of Neural Systems, 2018, 28, 1750054.	3.2	15
74	A novel characterisation-based algorithm to discover new knowledge from classification datasets without use of support. Expert Systems With Applications, 2018, 93, 223-231.	4.4	0
75	Emotion Detection and Regulation from Personal Assistant Robot in Smart Environment. Intelligent Systems Reference Library, 2018, , 179-195.	1.0	16
76	Artificial Neural Networks to Assess Emotional States from Brain-Computer Interface. Electronics (Switzerland), 2018, 7, 384.	1.8	36
77	Rehabilitation Robotics and Systems. Journal of Healthcare Engineering, 2018, 2018, 1-3.	1.1	1
78	Special Issue on Socio-Cognitive and Affective Computing. Applied Sciences (Switzerland), 2018, 8, 1371.	1.3	3
79	Pharmacological interventions in social cognition deficits: A systematic mapping review. Psychiatry Research, 2018, 270, 57-67.	1.7	15
80	Multimodal fusion for robotics. International Journal of Advanced Robotic Systems, 2018, 15, 172988141878283.	1.3	2
81	Estimation of Mental Distress from Photoplethysmography. Applied Sciences (Switzerland), 2018, 8, 69.	1.3	42
82	A Finite State Machine Approach to Algorithmic Lateral Inhibition for Real-Time Motion Detection in Sensors, 2018, 18, 1420.	2.1	2
83	Use of Soft-Computing Techniques to Study the Influence of External Factors during the Emotional Evaluation of Visual Stimuli. J of Electrical Engineering, 2018, 6, .	0.1	0
84	Facial expression recognition in ageing adults: from lab to ambient assisted living. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 567-578.	3.3	40
85	An Innovative Tool to Create Neurofeedback Games for ADHD Treatment. Lecture Notes in Computer Science, 2017, , 183-192.	1.0	5
86	Nonlinear Methodologies Applied to Automatic Recognition of Emotions: An EEG Review. Lecture Notes in Computer Science, 2017, , 754-765.	1.0	9
87	Human-Avatar Symbiosis in Cognitive Cybertherapies: Proof of Concept for Auditory Verbal Hallucinations. Lecture Notes in Computer Science, 2017, , 742-753.	1.0	6
88	Gerontechnologies in Current achievements and future trends. Expert Systems, 2017, 34, e12203.	2.9	7
89	Smart environment architecture for robust people detection by infrared and visible video fusion. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 223-237.	3.3	16
90	Biologically inspired vision systems in robotics. International Journal of Advanced Robotic Systems, 2017, 14, 172988141774594.	1.3	2

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91	Electrodermal Activity Sensor for Classification of Calm/Distress Condition. <i>Sensors</i> , 2017, 17, 2324.	2.1	131
92	Neural Correlates of Phrase Rhythm: An EEG Study of Bipartite vs. Rondo Sonata Form. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 29.	1.3	13
93	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.	1.3	36
94	Integration of Sensors in Control and Automation Systems. <i>Journal of Sensors</i> , 2017, 2017, 1-2.	0.6	5
95	Conditional Entropy Estimates for Distress Detection with EEG Signals. <i>Lecture Notes in Computer Science</i> , 2017, , 193-202.	1.0	7
96	Nonlinear Symbolic Assessment of Electroencephalographic Recordings for Negative Stress Recognition. <i>Lecture Notes in Computer Science</i> , 2017, , 203-212.	1.0	3
97	Acceleration of Moving Object Detection in Bio-Inspired Computer Vision. <i>Lecture Notes in Computer Science</i> , 2017, , 364-373.	1.0	1
98	A Distributed Tool to Perform Dynamic Therapies for Social Cognitive Deficit Through Avatars. <i>Lecture Notes in Computer Science</i> , 2017, , 731-741.	1.0	3
99	Collaborative Computer-Assisted Cognitive Rehabilitation System. <i>Advances in Distributed Computing and Artificial Intelligence Journal</i> , 2017, 6, 57-74.	1.1	6
100	A Review on Intelligent Monitoring and Activity Interpretation. <i>Inteligencia Artificial</i> , 2017, 20, 53.	0.5	2
101	Smart Computer-Assisted Cognitive Rehabilitation for Visually Impaired People. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 121-130.	0.5	0
102	Study of Electroencephalographic Signal Regularity for Automatic Emotion Recognition. <i>Lecture Notes in Computer Science</i> , 2017, , 766-777.	1.0	7
103	Influence of Tempo and Rhythmic Unit in Musical Emotion Regulation. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 80.	1.2	51
104	Robust Decentralized Nonlinear Control for a Twin Rotor MIMO System. <i>Sensors</i> , 2016, 16, 1160.	2.1	20
105	A Tandem Active Disturbance Rejection Control for a Laboratory Helicopter With Variable-Speed Rotors. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 6395-6406.	5.2	38
106	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
107	EEG Mapping for Arousal Level Quantification Using Dynamic Quadratic Entropy. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 207-214.	0.5	2
108	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.	1.5	15

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109	Smart environment architecture for emotion detection and regulation. Journal of Biomedical Informatics, 2016, 64, 55-73.	2.5	112
110	Biologically Inspired Vision Systems for Flying Robots – Editorial. International Journal of Advanced Robotic Systems, 2016, 13, 22.	1.3	0
111	Emotional Induction Through Films: A Model for the Regulation of Emotions. Smart Innovation, Systems and Technologies, 2016, , 15-23.	0.5	2
112	Cognitively-Inspired Computing for Gerontechnology. Cognitive Computation, 2016, 8, 297-298.	3.6	3
113	Software Architecture for Smart Emotion Recognition and Regulation of the Ageing Adult. Cognitive Computation, 2016, 8, 357-367.	3.6	67
114	Hierarchical Architecture for Robust People Detection by Fusion of Infrared and Visible Video. Studies in Computational Intelligence, 2016, , 343-351.	0.7	3
115	Smart Computer-Assisted Cognitive Rehabilitation for the Ageing Population. Advances in Intelligent Systems and Computing, 2016, , 197-205.	0.5	7
116	Real-Time Detection of Pedestrians. Advances in Linguistics and Communication Studies, 2016, , 225-243.	0.2	0
117	Generalized Proportional Integral Control for an Unmanned Quadrotor System. International Journal of Advanced Robotic Systems, 2015, 12, 85.	1.3	19
118	A simulation tool for monitoring elderly who suffer from disorientation in a smart home. Expert Systems, 2015, 32, 676-687.	2.9	9
119	RGB-D assistive technologies for acquired brain injury: description and assessment of user experience. Expert Systems, 2015, 32, 370-380.	2.9	17
120	A Review on the Role of Color and Light in Affective Computing. Applied Sciences (Switzerland), 2015, 5, 275-293.	1.3	57
121	A Grand Challenge for Vision Systems: Improving the Quality of Life and Care of Aging Adults. Frontiers in Robotics and AI, 2015, 2, .	2.0	2
122	Emotion Detection in Ageing Adults from Physiological Sensors. Advances in Intelligent Systems and Computing, 2015, , 253-261.	0.5	8
123	My Kinect Is Looking at Me - Application to Rehabilitation. Advances in Intelligent Systems and Computing, 2015, , 233-241.	0.5	0
124	Different strategies in the development of ANFIS to recognize vowels. , 2015, , .		0
125	Experimentation on Emotion Regulation with Single-Colored Images. Lecture Notes in Computer Science, 2015, , 265-276.	1.0	3
126	Arousal Level Classification in the Ageing Adult by Measuring Electrodermal Skin Conductivity. Lecture Notes in Computer Science, 2015, , 213-223.	1.0	16

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127	IDK and ICARO to develop multi-agent systems in support of Ambient Intelligence. Journal of Intelligent and Fuzzy Systems, 2015, 28, 3-15.	0.8	16
128	Deliberative control components for eldercare robot team cooperation. Journal of Intelligent and Fuzzy Systems, 2015, 28, 17-28.	0.8	3
129	Evaluation of Color Preference for Emotion Regulation. Lecture Notes in Computer Science, 2015, , 479-487.	1.0	7
130	Computational biomodel of motion parallax for multiview 3D video conferencing. Neurocomputing, 2015, 151, 108-115.	3.5	1
131	Elicitation of Emotions through Music: The Influence of Note Value. Lecture Notes in Computer Science, 2015, , 488-497.	1.0	11
132	LED Strips for Color- and Illumination-Based Emotion Regulation at Home. Lecture Notes in Computer Science, 2015, , 277-287.	1.0	3
133	How Many Kinects Should Look At You? A Multi-Agent System Approach. Advances in Intelligent Systems and Computing, 2015, , 105-112.	0.5	1
134	Selection of a Visible-Light vs. Thermal Infrared Sensor in Dynamic Environments Based on Confidence Measures. Applied Sciences (Switzerland), 2014, 4, 331-350.	1.3	21
135	A multi-modal approach for activity classification and fall detection. International Journal of Systems Science, 2014, 45, 810-824.	3.7	57
136	Thermal-Infrared Pedestrian ROI Extraction through Thermal and Motion Information Fusion. Sensors, 2014, 14, 6666-6676.	2.1	34
137	Facial Expression Recognition from Webcam Based on Active Shape Models and Support Vector Machines. Lecture Notes in Computer Science, 2014, , 147-154.	1.0	25
138	Modelo de modelo and modelo de texto: looking for the automation of VigilAgent. Expert Systems, 2014, 31, 199-212.	2.9	8
139	Improvement of the Elderly Quality of Life and Care through Smart Emotion Regulation. Lecture Notes in Computer Science, 2014, , 348-355.	1.0	33
140	Intelligent monitoring for people assistance and safety. Expert Systems, 2014, 31, 343-344.	2.9	3
141	On the identification and establishment of topological spatial relations by autonomous systems. Connection Science, 2014, 26, 261-292.	1.8	5
142	Engineering the development of systems for multisensory monitoring and activity interpretation. International Journal of Systems Science, 2014, 45, 728-740.	3.7	11
143	Intelligent multisensory systems in support of information society. International Journal of Systems Science, 2014, 45, 711-713.	3.7	5
144	Color video segmentation by lateral inhibition in accumulative computation. Signal, Image and Video Processing, 2014, 8, 1179-1188.	1.7	3

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145	A Taxonomy of Vision Systems for Ground Mobile Robots. International Journal of Advanced Robotic Systems, 2014, 11, 111.	1.3	28
146	A Multi-agent System for Infrared and Color Video Fusion. Advances in Intelligent Systems and Computing, 2014, , 131-138.	0.5	3
147	Wireless Multisensory Interaction in an Intelligent Rehabilitation Environment. Advances in Intelligent Systems and Computing, 2014, , 193-200.	0.5	11
148	Robust human detection through fusion of color and infrared video. Electronic Letters on Computer Vision and Image Analysis, 2014, 13, 17.	0.5	2
149	A multisensor system for positioning of multiple users. , 2014, , .		2
150	Trends in Practical Applications of Agents and Multiagent Systems. Advances in Intelligent Systems and Computing, 2013, , .	0.5	1
151	A survey of video datasets for human action and activity recognition. Computer Vision and Image Understanding, 2013, 117, 633-659.	3.0	349
152	INT3-Horus framework for multispectrum activity interpretation in intelligent environments. Expert Systems With Applications, 2013, 40, 6715-6727.	4.4	20
153	A methodological approach to mining and simulating data in complex information systems. Intelligent Data Analysis, 2013, 17, 753-769.	0.4	0
154	A fuzzy model for human fall detection in infrared video. Journal of Intelligent and Fuzzy Systems, 2013, 24, 215-228.	0.8	35
155	Indoor Overhead Video Camera for Efficient People Counting. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314,rgBT /Overlock 10 TT 0.8	0.8	1
156	Lateral Inhibition in Accumulative Computation and Fuzzy Sets for Human Fall Pattern Recognition in Colour and Infrared Imagery. Scientific World Journal, The, 2013, 2013, 1-10.	0.8	4
157	People Detection in Color and Infrared Video Using HOG and Linear SVM. Lecture Notes in Computer Science, 2013, , 179-189.	1.0	6
158	Towards Usability Evaluation of Multimodal Assistive Technologies Using RGB-D Sensors. Lecture Notes in Computer Science, 2013, , 210-219.	1.0	3
159	Vehicle Tracking by Simultaneous Detection and Viewpoint Estimation. Lecture Notes in Computer Science, 2013, , 306-316.	1.0	52
160	Fusion of Overhead and Lateral View Video for Enhanced People Counting. Lecture Notes in Computer Science, 2013, , 220-229.	1.0	1
161	Evaluation of a 3D Video Conference System Based on Multi-camera Motion Parallax. Lecture Notes in Computer Science, 2013, , 159-168.	1.0	0
162	Efficient People Counting from Indoor Overhead Video Camera. Advances in Intelligent Systems and Computing, 2013, , 129-137.	0.5	7

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163	Towards a unified interface in the field of assistive technologies. , 2012, , .		0
164	Multispectrum Video for Proactive Response in Intelligent Environments. , 2012, , .		2
165	HOLDS: Efficient Fall Detection through Accelerometers and Computer Vision. , 2012, , .		4
166	Sensor-driven agenda for intelligent home care of the elderly. Expert Systems With Applications, 2012, 39, 12192-12204.	4.4	100
167	Fuzzy Sets for Human Fall Pattern Recognition. Lecture Notes in Computer Science, 2012, , 117-126.	1.0	1
168	Multimodal behavioral analysis for non-invasive stress detection. Expert Systems With Applications, 2012, 39, 13376-13389.	4.4	127
169	ROSACE: Agent-Based Systems for Dynamic Task Allocation in Crisis Management. Advances in Intelligent and Soft Computing, 2012, , 255-259.	0.2	10
170	Model-driven engineering techniques for the development of multi-agent systems. Engineering Applications of Artificial Intelligence, 2012, 25, 159-173.	4.3	79
171	Evaluation of environmental impact upon human health with DeciMaS framework. Expert Systems With Applications, 2012, 39, 3469-3483.	4.4	8
172	Display text segmentation after learning best-fitted OCR binarization parameters. Expert Systems With Applications, 2012, 39, 4032-4043.	4.4	14
173	Human activity monitoring by local and global finite state machines. Expert Systems With Applications, 2012, 39, 6982-6993.	4.4	59
174	Mobile robot map building from time-of-flight camera. Expert Systems With Applications, 2012, 39, 8835-8843.	4.4	31
175	Stress Monitoring in Conflict Resolution Situations. Advances in Intelligent and Soft Computing, 2012, , 137-144.	0.2	9
176	Implementation and Assessment of Robot Team Cooperation Models Using Deliberative Control Components. Lecture Notes in Computer Science, 2012, , 412-421.	1.0	1
177	Efficient analysis of transactions to improve web recommendations. , 2012, , .		1
178	Development of a Code Generator for the ICARO Agent Framework. Lecture Notes in Computer Science, 2012, , 402-411.	1.0	0
179	Fuzzy Decision Making Model for Human Fall Detection and Inactivity Monitoring. Smart Innovation, Systems and Technologies, 2012, , 215-224.	0.5	1
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