

Chris D Nugent

List of Publications by Year in descending order

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Version: 2024-02-01

375
papers

6,679
citations

100601

38
h-index

116156

66
g-index

398
all docs

398
docs citations

398
times ranked

7431
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach based on temporal sub-windows for online sensor-based activity recognition. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15957-15969.	3.3	22
2	Evaluation of radial basis function neural network minimizing L-GEM for sensor-based activity recognition. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 53-63.	3.3	7
3	eeglib: computational analysis of cognitive performance during the use of video games. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 5351-5362.	3.3	8
4	Modelling mobile-based technology adoption among people with dementia. Personal and Ubiquitous Computing, 2022, 26, 365-384.	1.9	6
5	A Deep Clustering via Automatic Feature Embedded Learning for Human Activity Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 210-223.	5.6	8
6	An Investigation Into the Use of mHealth in Musculoskeletal Physiotherapy: Scoping Review. JMIR Rehabilitation and Assistive Technologies, 2022, 9, e33609.	1.1	15
7	A Novel Integration of IF-DEMATEL and TOPSIS for the Classifier Selection Problem in Assistive Technology Adoption for People with Dementia. International Journal of Environmental Research and Public Health, 2022, 19, 1133.	1.2	7
8	Multi-Occupancy Fall Detection Using Non-Invasive Thermal Vision Sensor. IEEE Sensors Journal, 2021, 21, 5377-5388.	2.4	19
9	SRAM-PUF-Based Entities Authentication Scheme for Resource-Constrained IoT Devices. IEEE Internet of Things Journal, 2021, 8, 5904-5913.	5.5	36
10	A Risk-Based IoT Decision-Making Framework Based on Literature Review with Human Activity Recognition Case Studies. Sensors, 2021, 21, 4504.	2.1	4
11	The Use of Transfer Learning for Activity Recognition in Instances of Heterogeneous Sensing. Applied Sciences (Switzerland), 2021, 11, 7660.	1.3	3
12	Fusion of Unobtrusive Sensing Solutions for Home-Based Activity Recognition and Classification Using Data Mining Models and Methods. Applied Sciences (Switzerland), 2021, 11, 9096.	1.3	1
13	Online updating extended belief rule-based system for sensor-based activity recognition. Expert Systems With Applications, 2021, 186, 115737.	4.4	11
14	Recognition of Hygiene Activities by Means of Multimodal Sensors. Springer Proceedings in Complexity, 2021, , 89-98.	0.2	0
15	Fusion of Unobtrusive Sensing Solutions for Sprained Ankle Rehabilitation Exercises Monitoring in Home Environments. Sensors, 2021, 21, 7560.	2.1	0
16	An approach to provide dynamic, illustrative, video-based guidance within a goal-driven smart home. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 3045-3056.	3.3	4
17	Selecting the most suitable classification algorithm for supporting assistive technology adoption for people with dementia: A multicriteria framework. Journal of Multi-Criteria Decision Analysis, 2020, 27, 20-38.	1.0	17
18	Evaluation of convolutional neural networks for the classification of falls from heterogeneous thermal vision sensors. International Journal of Distributed Sensor Networks, 2020, 16, 155014772092048.	1.3	6

#	ARTICLE	IF	CITATIONS
19	Data Mining and Fusion of Unobtrusive Sensing Solutions for Indoor Activity Recognition. , 2020, 2020, 5357-5361.		2
20	Ambient and Wearable Sensor Fusion for Abnormal Behaviour Detection in Activities of Daily Living. , 2020, , .		8
21	Leveraging Wearable Sensors for Human Daily Activity Recognition with Stacked Denoising Autoencoders. Sensors, 2020, 20, 5114.	2.1	17
22	Personalizing Activity Recognition With a Clustering Based Semi-Population Approach. IEEE Access, 2020, 8, 207794-207804.	2.6	9
23	Using Convolutional Neural Networks with Multiple Thermal Sensors for Unobtrusive Pose Recognition. Sensors, 2020, 20, 6932.	2.1	5
24	SemImput: Bridging Semantic Imputation with Deep Learning for Complex Human Activity Recognition. Sensors, 2020, 20, 2771.	2.1	2
25	Radial Basis Function Neural Network with Localized Stochastic-Sensitive Autoencoder for Home-Based Activity Recognition. Sensors, 2020, 20, 1479.	2.1	10
26	Simulated Data to Estimate Real Sensor Eventsâ€™A Poisson-Regression-Based Modelling. Remote Sensing, 2020, 12, 771.	1.8	1
27	uMoDT: an unobtrusive multi-occupant detection and tracking using robust Kalman filter for real-time activity recognition. Multimedia Systems, 2020, 26, 553-569.	3.0	9
28	Feature learning for Human Activity Recognition using Convolutional Neural Networks. CCF Transactions on Pervasive Computing and Interaction, 2020, 2, 18-32.	1.7	87
29	Evaluating the Impact of a Two-Stage Multivariate Data Cleansing Approach to Improve to the Performance of Machine Learning Classifiers: A Case Study in Human Activity Recognition. Sensors, 2020, 20, 1858.	2.1	8
30	Iterative four-phase development of a theory-based digital behaviour change intervention to reduce occupational sedentary behaviour. Digital Health, 2020, 6, 205520762091341.	0.9	7
31	Improving the Collection and Understanding the Quality of Datasets for the Aim of Human Activity Recognition. Computer Communications and Networks, 2020, , 147-165.	0.8	5
32	Domain Adaptation of Binary Sensors in Smart Environments Through Activity Alignment. IEEE Access, 2020, 8, 228804-228817.	2.6	3
33	The Digital Skills, Experiences and Attitudes of the Northern Ireland Social Care Workforce Toward Technology for Learning and Development: Survey Study. JMIR Medical Education, 2020, 6, e15936.	1.2	7
34	Dose Regulation Model of Norepinephrine Based on LSTM Network and Clustering Analysis in Sepsis. International Journal of Computational Intelligence Systems, 2020, 13, 717.	1.6	5
35	Neural Network Ensembles for Sensor-Based Human Activity Recognition Within Smart Environments. Sensors, 2020, 20, 216.	2.1	51
36	In-Bed Posture Classification from Pressure Mat Sensors for the Prevention of Pressure Ulcers Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, , 338-349.	1.0	6

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37	Semi-Automated Data Labeling for Activity Recognition in Pervasive Healthcare. <i>Sensors</i> , 2019, 19, 3035.	2.1	12
38	Time-Window Based Data Segmentation. , 2019, , 103-126.		1
39	Probabilistic Analysis of Abnormal Behaviour Detection in Activities of Daily Living. , 2019, , .		9
40	Composite Activity Recognition. , 2019, , 151-181.		3
41	Technology and Dementia: The Future is Now. <i>Dementia and Geriatric Cognitive Disorders</i> , 2019, 47, 131-139.	0.7	118
42	Human Centred Cyber Physical Systems. , 2019, , 217-249.		0
43	The Value of Including People with Dementia in the Co-Design of Personalized eHealth Technologies. <i>Dementia and Geriatric Cognitive Disorders</i> , 2019, 47, 164-175.	0.7	23
44	Semi-Automated Annotation of Audible Home Activities. , 2019, , .		0
45	Fusing Thermopile Infrared Sensor Data for Single Component Activity Recognition within a Smart Environment. <i>Journal of Sensor and Actuator Networks</i> , 2019, 8, 10.	2.3	4
46	Sensor-Based Activity Recognition Review. , 2019, , 23-47.		12
47	A Hybrid Approach to Activity Modelling. , 2019, , 77-101.		0
48	Semantic Smart Homes: Towards a Knowledge-Rich Smart Environment. , 2019, , 183-199.		1
49	Guest Editorial: AI Enabled Connected Health Informatics. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 921-922.	3.9	0
50	5G Communication: An Overview of Vehicle-to-Everything, Drones, and Healthcare Use-Cases. <i>IEEE Access</i> , 2019, 7, 37251-37268.	2.6	217
51	Design and assessment of the data analysis process for a wrist-worn smart object to detect atomic activities in the smart home. <i>Pervasive and Mobile Computing</i> , 2019, 56, 57-70.	2.1	7
52	Impact Analysis of Erroneous Data on IoT Reliability. , 2019, , .		2
53	Challenges of Ethical Evaluation Models for Intelligent Assistive Technologies. An Initial Ethical Model Based on Linguistic Decision Analysis. <i>Proceedings (mdpi)</i> , 2019, 31, .	0.2	2
54	Affective Embodied Agents and Their Effect on Decision Making. <i>Proceedings (mdpi)</i> , 2019, 31, .	0.2	2

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55	Intelligent System for the Prevention of Pressure Ulcers by Monitoring Postural Changes with Wearable Inertial Sensors. Proceedings (mdpi), 2019, 31, .	0.2	5
56	Connected Health Living Lab. Proceedings (mdpi), 2019, 31, 11.	0.2	3
57	Probabilistic Analysis of Temporal and Sequential Aspects of Activities of Daily Living for Abnormal Behaviour Detection. , 2019, , .		7
58	An Analysis of the Impact of Uncertainty on the Internet of Things: A Smart Home Case Study. , 2019, , .		0
59	A Public Domain Dataset for Human Activity Recognition in Free-Living Conditions. , 2019, , .		14
60	Comparing CNN and Human Crafted Features for Human Activity Recognition. , 2019, , .		11
61	Thermal Vision Based Fall Detection via Logical and Data driven Processes. , 2019, , .		4
62	Semantic-Based Sensor Data Segmentation. , 2019, , 127-149.		0
63	A Multi Agent Approach to Facilitate the Identification of Interleaved Activities. , 2018, , .		1
64	A two-staged approach to developing and evaluating an ontology for delivering personalized education to diabetic patients. Informatics for Health and Social Care, 2018, 43, 264-279.	1.4	6
65	Real-time Recognition of Interleaved Activities Based on Ensemble Classifier of Long Short-Term Memory with Fuzzy Temporal Windows. Proceedings (mdpi), 2018, 2, .	0.2	10
66	Adding Security to Networks-on-Chip using Neural Networks. , 2018, , .		17
67	Detection of Falls from Non-Invasive Thermal Vision Sensors Using Convolutional Neural Networks. Proceedings (mdpi), 2018, 2, .	0.2	18
68	Human Activity Recognition from the Acceleration Data of a Wearable Device. Which Features Are More Relevant by Activities?. Proceedings (mdpi), 2018, 2, 1242.	0.2	15
69	UCAmI Cup. Analyzing the UJA Human Activity Recognition Dataset of Activities of Daily Living. Proceedings (mdpi), 2018, 2, .	0.2	11
70	Portal Design for the Open Data Initiative: A Preliminary Study. Proceedings (mdpi), 2018, 2, .	0.2	1
71	Multimodal Sensor Data Fusion for Activity Recognition Using Filtered Classifier. Proceedings (mdpi), 2018, 2, .	0.2	7
72	Modelling Activities of Daily Living with Petri nets. , 2018, , .		15

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73	H2Aâ€”The Human Health and Activity Laboratory. Proceedings (mdpi), 2018, 2, .	0.2	3
74	Safe Beacon: A Bluetooth Based Solution to Monitor Egress of Dementia Sufferers within a Residential Setting. Proceedings (mdpi), 2018, 2, .	0.2	1
75	Ethical adoption: A new imperative in the development of technology for dementia. Alzheimer's and Dementia, 2018, 14, 1104-1113.	0.4	55
76	Ensemble classifier of long short-term memory with fuzzy temporal windows on binary sensors for activity recognition. Expert Systems With Applications, 2018, 114, 441-453.	4.4	53
77	Ambient Assisted Living for Improvement of Health and Quality of Lifeâ€”A Special Issue of the Journal of Informatics. Informatics, 2018, 5, 4.	2.4	3
78	Smart Sensing Technologies for Personalised e-Coaching. Sensors, 2018, 18, 1751.	2.1	3
79	A Scalable, Research Oriented, Generic, Sensor Data Platform. IEEE Access, 2018, 6, 45473-45484.	2.6	18
80	The Experience of Developing the UJAml Smart Lab. IEEE Access, 2018, 6, 34631-34642.	2.6	35
81	Automatic Annotation for Human Activity Recognition in Free Living Using a Smartphone. Sensors, 2018, 18, 2203.	2.1	43
82	Ontological modelling and ruleâ€”based reasoning for the provision of personalized patient education. Expert Systems, 2017, 34, e12134.	2.9	19
83	The Future of Pervasive Health. IEEE Pervasive Computing, 2017, 16, 16-20.	1.1	9
84	From Activity Recognition to Intention Recognition for Assisted Living Within Smart Homes. IEEE Transactions on Human-Machine Systems, 2017, 47, 368-379.	2.5	124
85	NFC based dataset annotation within a behavioral alerting platform. , 2017, , .		4
86	Sensor-Based Change Detection for Timely Solicitation of User Engagement. IEEE Transactions on Mobile Computing, 2017, 16, 2889-2900.	3.9	10
87	Quantifying health literacy and eHealth literacy using existing instruments and browser-based software for tracking online health information seeking behavior. Computers in Human Behavior, 2017, 69, 256-267.	5.1	85
88	SensorCentral: A Research Oriented, Device Agnostic, Sensor Data Platform. Lecture Notes in Computer Science, 2017, , 97-108.	1.0	13
89	Exploring an Open Data Initiative Ontology for Shareable Smart Environment Experimental Datasets. Lecture Notes in Computer Science, 2017, , 400-412.	1.0	3
90	Indoor localisation through object detection within multiple environments utilising a single wearable camera. Health and Technology, 2017, 7, 51-60.	2.1	3

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91	Optimizing the configuration of an heterogeneous architecture of sensors for activity recognition, using the extended belief rule-based inference methodology. <i>Microprocessors and Microsystems</i> , 2017, 52, 381-390.	1.8	28
92	Comparison of fiducial marker detection and object interaction in activities of daily living utilising a wearable vision sensor. <i>International Journal of Communication Systems</i> , 2017, 30, e3223.	1.6	13
93	Rich context information for just-in-time adaptive intervention promoting physical activity. , 2017, 2017, 849-852.		3
94	Community-based trials of mobile solutions for the detection and management of cognitive decline. <i>Healthcare Technology Letters</i> , 2017, 4, 93-96.	1.9	20
95	Using computer, mobile and wearable technology enhanced interventions to reduce sedentary behaviour: a systematic review and meta-analysis. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 105.	2.0	202
96	Human Activity Recognition Using Radial Basis Function Neural Network Trained via a Minimization of Localized Generalization Error. <i>Lecture Notes in Computer Science</i> , 2017, , 498-507.	1.0	6
97	Computational Intelligence for Smart Environments. <i>International Journal of Computational Intelligence Systems</i> , 2017, 10, 1250.	1.6	6
98	A Personalized Self-Management Rehabilitation System for Stroke Survivors: A Quantitative Gait Analysis Using a Smart Insole. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2016, 3, e11.	1.1	13
99	A Mobile Application for Easy Design and Testing of Algorithms to Monitor Physical Activity in the Workplace. <i>Mobile Information Systems</i> , 2016, 2016, 1-17.	0.4	16
100	Optimal Parameter Exploration for Online Change-Point Detection in Activity Monitoring Using Genetic Algorithms. <i>Sensors</i> , 2016, 16, 1784.	2.1	9
101	Recognition of Activities in Resource Constrained Environments; Reducing the Computational Complexity. <i>Lecture Notes in Computer Science</i> , 2016, , 64-74.	1.0	1
102	Environment Simulation for the Promotion of the Open Data Initiative. , 2016, , .		8
103	KeepWell: A Generic Platform for the Self-Management of Chronic Conditions. <i>IFMBE Proceedings</i> , 2016, , 897-902.	0.2	5
104	Indoor Localisation Through Object Detection on Real-Time Video Implementing a Single Wearable Camera. <i>IFMBE Proceedings</i> , 2016, , 1237-1242.	0.2	5
105	A Web System for Managing and Monitoring Smart Environments. <i>Lecture Notes in Computer Science</i> , 2016, , 677-688.	1.0	3
106	Modelling assistive technology adoption for people with dementia. <i>Journal of Biomedical Informatics</i> , 2016, 63, 235-248.	2.5	24
107	Dynamic detection of window starting positions and its implementation within an activity recognition framework. <i>Journal of Biomedical Informatics</i> , 2016, 62, 171-180.	2.5	42
108	Fall Detection Through Thermal Vision Sensing. <i>Lecture Notes in Computer Science</i> , 2016, , 84-90.	1.0	19

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109	Using Genetic Algorithms for Optimal Change Point Detection in Activity Monitoring. , 2016, , .		1
110	Technology adoption and prediction tools for everyday technologies aimed at people with dementia. , 2016, 2016, 4407-4410.		9
111	The Empowering Role of Mobile Apps in Behavior Change Interventions: The Gray Matters Randomized Controlled Trial. JMIR MHealth and UHealth, 2016, 4, e93.	1.8	44
112	An initiative for the creation of open datasets within pervasive healthcare. , 2016, , .		11
113	The Intelligent Environment Experiment Assistance Tool to Facilitate Partial Environment Simulation and Real-Time Activity Annotation. Lecture Notes in Computer Science, 2016, , 91-97.	1.0	0
114	Change Point Detection Using Multivariate Exponentially Weighted Moving Average (MEWMA) for Optimal Parameter in Online Activity Monitoring. Lecture Notes in Computer Science, 2016, , 156-165.	1.0	0
115	The design and progress of a multidomain lifestyle intervention to improve brain health in middle-aged persons to reduce later Alzheimer's disease risk: The Gray Matters randomized trial. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2015, 1, 53-62.	1.8	14
116	Evaluation Of MediaPlace. , 2015, , .		0
117	Simulation of Smart Home Activity Datasets. Sensors, 2015, 15, 14162-14179.	2.1	51
118	A Geospatial Semantic Enrichment and Query Service for Geotagged Photographs. Sensors, 2015, 15, 17470-17482.	2.1	6
119	Trainee Occupational Therapists Scoring the Barthel ADL. Journal of Medical Systems, 2015, 39, 93.	2.2	0
120	Automatic Metadata Generation Through Analysis of Narration Within Instructional Videos. Journal of Medical Systems, 2015, 39, 94.	2.2	11
121	Analyzing Activity Recognition Uncertainties in Smart Home Environments. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-28.	2.9	8
122	Evaluation of the Barthel Index Presented on Paper and Developed Digitally. Lecture Notes in Computer Science, 2015, , 249-254.	1.0	2
123	A Continuous-Time Model-Based Approach to Activity Recognition for Ambient Assisted Living. Lecture Notes in Computer Science, 2015, , 38-53.	1.0	8
124	Generation of a Partitioned Dataset with Single, Interleave and Multioccupancy Daily Living Activities. Lecture Notes in Computer Science, 2015, , 60-71.	1.0	10
125	A Mechanism for Nominating Video Clips to Provide Assistance for Instrumental Activities of Daily Living. Lecture Notes in Computer Science, 2015, , 65-76.	1.0	3
126	Web-Based STAR E-Learning Course Increases Empathy and Understanding in Dementia Caregivers: Results from a Randomized Controlled Trial in the Netherlands and the United Kingdom. Journal of Medical Internet Research, 2015, 17, e241.	2.1	124

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127	EasiSocial: An Innovative Way of Increasing Adoption of Social Media in Older People. Lecture Notes in Computer Science, 2015, , 21-28.	1.0	2
128	Parameter Optimization for Online Change Detection in Activity Monitoring Using Multivariate Exponentially Weighted Moving Average (MEWMA). Lecture Notes in Computer Science, 2015, , 50-59.	1.0	2
129	NFC based provisioning of instructional videos to assist with instrumental activities of daily living. , 2014, 2014, 4131-4.		14
130	Evaluation of Prompted Annotation of Activity Data Recorded from a Smart Phone. Sensors, 2014, 14, 15861-15879.	2.1	41
131	A Lightweight Hierarchical Activity Recognition Framework Using Smartphone Sensors. Sensors, 2014, 14, 16181-16195.	2.1	30
132	Clustering-Based Ensemble Learning for Activity Recognition in Smart Homes. Sensors, 2014, 14, 12285-12304.	2.1	36
133	ATHENA: A Personalized Platform to Promote an Active Lifestyle and Wellbeing Based on Physical, Mental and Social Health Primitives. Sensors, 2014, 14, 9313-9329.	2.1	31
134	Design and evaluation of a tool for reminiscence of life-logged data. , 2014, , .		0
135	Towards a generic platform for the self-management of chronic conditions. , 2014, , .		2
136	A duration-based online reminder system. International Journal of Pervasive Computing and Communications, 2014, 10, 337-366.	1.1	8
137	Self-management of COPD. , 2014, , .		6
138	Diagnosis of the Electrocardiogram Using a Smartphone. , 2014, , .		2
139	A sensor and video based ontology for activity recognition in smart environments. , 2014, 2014, 5932-5.		7
140	A survey of commonly used ensemble-based classification techniques. Knowledge Engineering Review, 2014, 29, 551-581.	2.1	58
141	Behavior Life Style Analysis for Mobile Sensory Data in Cloud Computing through MapReduce. Sensors, 2014, 14, 22001-22020.	2.1	25
142	A Novel Approach for the Population and Adaptation of Ontology-Based User Profiles. Lecture Notes in Computer Science, 2014, , 280-287.	1.0	0
143	Ontological user modelling and semantic rule-based reasoning for personalisation of Help-On-Demand services in pervasive environments. Future Generation Computer Systems, 2014, 34, 97-109.	4.9	59
144	An Ontology-Based Hybrid Approach to Activity Modeling for Smart Homes. IEEE Transactions on Human-Machine Systems, 2014, 44, 92-105.	2.5	117

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145	A Predictive Model for Assistive Technology Adoption for People With Dementia. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 375-383.	3.9	54
146	A smartphone application to evaluate technology adoption and usage in persons with dementia. , 2014, 2014, 5389-92.		18
147	Design and Evaluation of a Smartphone Based Wearable Life-Logging and Social Interaction System. , 2014, , .		7
148	Clustering-Based Ensembles as an Alternative to Stacking. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2120-2137.	4.0	21
149	An Adaptive Semantic based Mediation System for Data Interoperability among Health Information Systems. Journal of Medical Systems, 2014, 38, 28.	2.2	42
150	A usability evaluation of medical software at an expert conference setting. Computer Methods and Programs in Biomedicine, 2014, 113, 383-395.	2.6	24
151	A duration-based online reminder system. International Journal of Pervasive Computing and Communications, 2014, 10, 442-468.	1.1	2
152	COPD lifestyle support through self-management (CALs). , 2014, , .		4
153	Patient Satisfaction Evaluation of Telemedicine Applications Is Not Satisfactory. IFMBE Proceedings, 2014, , 1140-1143.	0.2	1
154	Investigating Methods for Increasing the Adoption of Social Media amongst Carers for the Elderly. IFMBE Proceedings, 2014, , 1439-1442.	0.2	4
155	Detecting Accelerometer Placement to Improve Activity Classification. IFMBE Proceedings, 2014, , 1477-1480.	0.2	2
156	A Service for Semantic Enrichment of Smartphone Photographs. Lecture Notes in Computer Science, 2014, , 76-79.	1.0	1
157	Design and Evaluation of a Smartphone Based Wearable Life-Logging and Social Interaction System. Lecture Notes in Computer Science, 2014, , 179-186.	1.0	1
158	Automatic Summarization of Activities Depicted in Instructional Videos by Use of Speech Analysis. Lecture Notes in Computer Science, 2014, , 123-130.	1.0	7
159	Predicting Technology Adoption in People with Dementia; Initial Results from the TAUT Project. Lecture Notes in Computer Science, 2014, , 266-274.	1.0	5
160	Encouraging Behavioral Change via Everyday Technologies to Reduce Risk of Developing Alzheimer's Disease. Lecture Notes in Computer Science, 2014, , 51-58.	1.0	8
161	Learning Behaviour for Service Personalisation and Adaptation. Communications in Computer and Information Science, 2014, , 287-297.	0.4	2
162	Opportunities and Challenges for Supporting People with Vascular Dementia Through the Use of Common Web 2.0 Services. Communications in Medical and Care Compunetics, 2014, , 241-261.	0.2	0

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163	Technical Validation of COPD Activity Support Monitor- Towards COPD Self-management. Lecture Notes in Computer Science, 2014, , 75-82.	1.0	0
164	Identification of Ideal Contexts to Issue Reminders for Persons with Dementia. Lecture Notes in Computer Science, 2014, , 369-376.	1.0	0
165	Online Change Detection for Timely Solicitation of User Interaction. Lecture Notes in Computer Science, 2014, , 116-123.	1.0	1
166	The impact of solutions for chronic disease prevention and management. Health and Technology, 2013, 3, 97-98.	2.1	0
167	Stakeholder involvement guidelines to improve the design process of assistive technology: lesson from the development of the MPVS system. Health and Technology, 2013, 3, 119-127.	2.1	7
168	The homeML suite: shareable datasets for smart home environments. Health and Technology, 2013, 3, 177-193.	2.1	12
169	Segmenting sensor data for activity monitoring in smart environments. Personal and Ubiquitous Computing, 2013, 17, 545-559.	1.9	37
170	Using SWRL and ontological reasoning for the personalization of context-aware assistive services. , 2013, , .		2
171	An ontological framework for activity monitoring and reminder reasoning in an assisted environment. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 157-168.	3.3	15
172	Pre-hospital body surface potential mapping improves early diagnosis of acute coronary artery occlusion in patients with ventricular fibrillation and cardiac arrest. Resuscitation, 2013, 84, 37-41.	1.3	7
173	Ontology-based Activity Recognition Framework and Services. , 2013, , .		6
174	Methods for presenting and visualising electrocardiographic data: From temporal signals to spatial imaging. Journal of Electrocardiology, 2013, 46, 182-196.	0.4	26
175	A System for Real-Time High-Level Geo-Information Extraction and Fusion for Geocoded Photos. , 2013, , .		3
176	Mining usage data for adaptive personalisation of smartphone based help-on-demand services. , 2013, , .		5
177	Optimal Placement of Accelerometers for the Detection of Everyday Activities. Sensors, 2013, 13, 9183-9200.	2.1	305
178	Activity recognition and resource optimization in mobile cloud through MapReduce. , 2013, , .		1
179	Addressing the challenges of sleep/wake class imbalance in bed based non-contact actigraphic recordings of sleep. , 2013, 2013, 4654-7.		3
180	Using Temporal Logic and Model Checking in Automated Recognition of Human Activities for Ambient-Assisted Living. IEEE Transactions on Human-Machine Systems, 2013, 43, 509-521.	2.5	51

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181	A real-time falls detection system for elderly. , 2013, , .		3
182	High-level geospatial information discovery and fusion for geocoded multimedia. International Journal of Pervasive Computing and Communications, 2013, 9, 367-382.	1.1	10
183	Smartphone Application Design and Knowledge Management for People with Dementia. , 2013, , 135-153.		2
184	Application of a Cluster-Based Classifier Ensemble to Activity Recognition in Smart Homes. Lecture Notes in Computer Science, 2013, , 88-95.	1.0	1
185	Mobile Based Prompted Labeling of Large Scale Activity Data. Lecture Notes in Computer Science, 2013, , 9-17.	1.0	7
186	Ontological Goal Modelling for Proactive Assistive Living in Smart Environments. Lecture Notes in Computer Science, 2013, , 262-269.	1.0	5
187	Prediction of Assistive Technology Adoption for People with Dementia. Lecture Notes in Computer Science, 2013, , 160-171.	1.0	3
188	Computer-based assessment of movement difficulties in Parkinson's disease. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 1081-1092.	0.9	5
189	Usability of a new electronic assistive device for community-dwelling persons with mild dementia. Aging and Mental Health, 2012, 16, 584-591.	1.5	90
190	DDSS: Dynamic decision support system for elderly. , 2012, , .		1
191	Transformation of the Mason-Likar 12-lead electrocardiogram to the Frank vectorcardiogram. , 2012, 2012, 677-80.		19
192	Evaluation of a technology enabled garment for older walkers. , 2012, 2012, 2100-3.		6
193	Genetic algorithm and pure random search for exosensor distribution optimisation. International Journal of Bio-Inspired Computation, 2012, 4, 359.	0.6	19
194	Utilising wireless sensor networks towards establishing a method of sleep profiling. International Journal of Computers in Healthcare, 2012, 1, 346.	0.5	2
195	Dynamic similarity-based activity detection and recognition within smart homes. International Journal of Pervasive Computing and Communications, 2012, 8, 264-278.	1.1	9
196	An Efficient Method for Modeling Kinetic Behavior of Channel Proteins in Cardiomyocytes. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 40-51.	1.9	1
197	WiiPDâ€”Objective Home Assessment of Parkinson's Disease Using the Nintendo Wii Remote. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1304-1312.	3.6	30
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