Alex Mihailidis, PEng

List of Publications by Year
in descending order

167 papers	6,257 citations	87888 38 h-index	88630 70 g-index
181 all docs	181 docs citations	181 times ranked	5849 citing authors

#	Article	IF	Citations
1	Understanding the task demands for powered wheelchair driving: a think-aloud task analysis. Disability and Rehabilitation: Assistive Technology, 2022, 17, 695-702.	2.2	8
2	The role of theory to develop and evaluate a toolkit to increase clinical measurement and interpretation of walking speed and distance in adults post-stroke. Disability and Rehabilitation, 2022, 44, 3719-3735.	1.8	6
3	A GPS-Based Framework for Understanding Outdoor Mobility Patterns of Older Adults with Dementia: An Exploratory Study. Gerontology, 2022, 68, 106-120.	2.8	17
4	Perceptions of Digital Technology Experiences and Development Among Family Caregivers and Technology Researchers: Qualitative Study. JMIR Formative Research, 2022, 6, e19967.	1.4	5
5	Unsupervised Deep Learning to Detect Agitation From Videos in People With Dementia. IEEE Access, 2022, 10, 10349-10358.	4.2	10
6	Can Automated Vehicles Be Useful to Persons Living With Dementia? The Perspectives of Care Partners of People Living With Dementia. Gerontologist, The, 2022, 62, 1050-1062.	3.9	4
7	Wearable multimodal sensors for the detection of behavioral and psychological symptoms of dementia using personalized machine learning models. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, e12305.	2.4	12
8	Older Peopleâ€™s Use of Digital Technology During the COVID-19 Pandemic. Bulletin of Science, Technology and Society, 2022, 42, 19-24.	2.9	61
9	The Development and Concurrent Validity of a Multi-Sensor-Based Frailty Toolkit for In-Home Frailty Assessment. Sensors, 2022, 22, 3532.	3.8	3
10	Technology-Based Compensation Assessment and Detection of Upper Extremity Activities of Stroke Survivors: Systematic Review. Journal of Medical Internet Research, 2022, 24, e34307.	4.3	6
11	Spatio-temporal adversarial learning for detecting unseen falls. Pattern Analysis and Applications, 2021, 24, 381-391.	4.6	17
12	Older adultsâ€™ acceptance of fully automated vehicles: Effects of exposure, driving style, age, and driving conditions. Accident Analysis and Prevention, 2021, 150, 105919.	5.7	38
13	Outdoor life in dementia: How predictable are people with dementia in their mobility?. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12187.	2.4	7
14	Bringing the â€œPlaceâ€• to Life-Space in Gerontology Research. Gerontology, 2021, 67, 374-378.	2.8	4
15	Dementia Care Apps for People with Dementia and Informal Caregivers: A Systematic Review Protocol. Gerontology, 2021, 67, 633-638.	2.8	9
16	Towards a novel set of GPS-derived metrics to identify the differences between mobility patterns of cognitively intact older adults and older adults with dementia. American Journal of Geriatric Psychiatry, 2021, 29, S51-S52.	1.2	0
17	Attitudes and perspectives of older adults on technologies for assessing frailty in home settings: a focus group study. BMC Geriatrics, 2021, 21, 298.	2.7	12
18	GPS driving: a digital biomarker for preclinical Alzheimer disease. Alzheimer's Research and Therapy, 2021, 13, 115.	6.2	42

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19	Influence of Multiple Sclerosis on Spatiotemporal Gait Parameters: A Systematic Review and Meta-Regression. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1801-1815.	0.9	14
20	Thinking Innovatively About Innovation Research. International Perspectives on Social Policy, Administration, and Practice, 2021, , 9-16.	0.1	0
21	The Characteristics of Canadian University Studentsâ€™ Mental Health, Engagement in Activities and Use of Smartphones: A descriptive pilot study. Health Psychology Open, 2021, 8, 205510292110620.	1.4	4
22	Identifying preclinical Alzheimer disease from driving patterns: A machine learning approach. Alzheimer's and Dementia, 2021, 17, .	0.8	2
23	Evaluating predictability in outdoor mobility: A potential pathway to personalized assistance for people with dementia. Alzheimer's and Dementia, 2021, 17, e050149.	0.8	0
24	COVIDâ€19 and preclinical Alzheimer disease: Driving, mobility, activity and experiences of older adults in the United States. Alzheimer's and Dementia, 2021, 17, e057692.	0.8	2
25	A review on video-based active and assisted living technologies for automated lifelogging. Expert Systems With Applications, 2020, 139, 112847.	7.6	42
26	Stroke Patientsâ€™ Experiences in an Adaptive Healing Room in a Stroke Rehabilitation Unit. Herd, 2020, 13, 170-185.	1.5	3
27	DeepFall: Non-Invasive Fall Detection with Deep Spatio-Temporal Convolutional Autoencoders. Journal of Healthcare Informatics Research, 2020, 4, 50-70.	7.6	51
28	Quantification of Resting-State Ballistocardiogram Difference Between Clinical and Non-Clinical Populations for Ambient Monitoring of Heart Failure. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-11.	3.7	7
29	Sex and gender differences in technology needs and preferences among informal caregivers of persons with dementia. BMC Geriatrics, 2020, 20, 176.	2.7	12
30	Oral care practices of longâ€term care home residents and caregivers: Secondary analysis of observational video recordings. Journal of Clinical Nursing, 2020, 29, 2023-2030.	3.0	3
31	Sex and gender differences in caregiving burden experienced by family caregivers of persons with dementia: A systematic review. PLoS ONE, 2020, 15, e0231848.	2.5	109
32	Myoelectric untethered robotic glove enhances hand function and performance on daily living tasks after stroke. Journal of Rehabilitation and Assistive Technologies Engineering, 2020, 7, 205566832096405.	0.9	15
33	Mobile Apps to Support Caregiver-Resident Communication in Long-Term Care: Systematic Search and Content Analysis. JMIR Aging, 2020, 3, e17136.	3.0	10
34	Inferring Destinations and Activity Types of Older Adults From GPS Data: Algorithm Development and Validation. JMIR Aging, 2020, 3, e18008.	3.0	7
35	Social Robots and Seniors: A Comparative Study on the Influence of Dynamic Social Features on Humanâ€"Robot Interaction. International Journal of Social Robotics, 2019, 11, 5-24.	4.6	43
36	Informing the development of assistive technologies for persons with dementia by connecting financial measures of wealth to perceptions of task dependence. Technology and Disability, 2019, 31, 39-49.	0.6	1

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37	Technology and Dementia: The Future is Now. Dementia and Geriatric Cognitive Disorders, 2019, 47, 131-139.	1.5	118
38	Feasibility RCT protocol evaluating a powered-wheelchair training program for older adults. Canadian Journal of Occupational Therapy, 2019, 86, 232-242.	1.3	3
39	Algorithmic Bias in Clinical Populationsâ€"Evaluating and Improving Facial Analysis Technology in Older Adults With Dementia. IEEE Access, 2019, 7, 25527-25534.	4.2	41
40	Bootstrapping and multiple imputation ensemble approaches for classification problems. Journal of Intelligent and Fuzzy Systems, 2019, 37, 7769-7783.	1.4	10
41	Challenges in Collecting Big Data in A Clinical Environment with Vulnerable Population: Lessons Learned from A Study Using A Multi-modal Sensors Platform. Science and Engineering Ethics, 2019, 25, 1447-1466.	2.9	17
42	A Mobile Phone App for the Self-Management of Pediatric Concussion: Development and Usability Testing. JMIR Human Factors, 2019, 6, e12135.	2.0	9
43	â€œA Chance to Tryâ€: Exploring the Clinical Utility of Shared-Control Teleoperation for Powered Wheelchair Assessment and Training. American Journal of Occupational Therapy, 2019, 73, 7306205020p1-7306205020p11.	0.3	3
44	Detecting agitation and aggression in people with dementia using sensorsâ€"A systematic review. Alzheimer's and Dementia, 2018, 14, 824-832.	0.8	61
45	Zero Effort Technologies: Considerations, Challenges, and Use in Health, Wellness, and Rehabilitation,Second Edition. Synthesis Lectures on Assistive Rehabilitative and Health-Preserving Technologies, 2018, 8, i-118.	0.2	7
46	Aggressive and agitated behavior recognition from accelerometer data using non-negative matrix factorization. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1375-1389.	4.9	9
47	Changes in working memory performance in youth following concussion. Brain Injury, 2018, 32, 182-190.	1.2	7
48	Needs and preferences for technology among Chinese family caregivers of persons with dementia: A pilot study. Journal of Rehabilitation and Assistive Technologies Engineering, 2018, 5, 205566831877531.	0.9	11
49	Privacy-Aware and Acceptable Lifelogging services for older and frail people: the PAAL project. , 2018, , .		10
50	The contrasting role of technology as both supportive and hindering in the everyday lives of people with mild cognitive deficits: a focus group study. BMC Geriatrics, 2018, 18, 185.	2.7	15
51	Automated Fall Detection Technology in Inpatient Geriatric Psychiatry: Nursesâ€™ Perceptions and Lessons Learned. Canadian Journal on Aging, 2018, 37, 245-260.	1.1	10
52	Infusing Domain Knowledge to Improve the Detection of Alzheimerâ€™s Disease from Everyday Motion Behaviour. Lecture Notes in Computer Science, 2018, , 181-193.	1.3	2
53	Envisioning future cognitive telerehabilitation technologies: a co-design process with clinicians. Disability and Rehabilitation: Assistive Technology, 2017, 12, 244-261.	2.2	23
54	Unobtrusive Detection of Mild Cognitive Impairment in Older Adults Through Home Monitoring. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 339-348.	6.3	36

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55	Intelligent wheelchair control strategies for older adults with cognitive impairment: user attitudes, needs, and preferences. Autonomous Robots, 2017, 41, 539-554.	4.8	31
56	Principles for fostering the transdisciplinary development of assistive technologies. Disability and Rehabilitation: Assistive Technology, 2017, 12, 480-490.	2.2	56
57	Technology, design and dementia: an exploratory survey of developers. Disability and Rehabilitation: Assistive Technology, 2017, 12, 573-584.	2.2	14
58	Network-based approaches for evaluating ambient assisted living (AAL) technologies. Evaluation, 2017, 23, 192-208.	1.8	12
59	Aging and Technology: Taking the Research into the Real World. The Public Policy and Aging Report, 2017, 27, 74-78.	1.1	17
60	Perceptions of seniors with heart failure regarding autonomous zero-effort monitoring of physiological parameters in the smart-home environment. Heart and Lung: Journal of Acute and Critical Care, 2017, 46, 313-319.	1.6	16
61	Robots to assist daily activities: views of older adults with Alzheimer's disease and their caregivers. International Psychogeriatrics, 2017, 29, 67-79.	1.0	124
62	Sustaining care for a parent with dementia: an indefinite and intertwined process. International Journal of Qualitative Studies on Health and Well-being, 2017, 12, 1389578.	1.6	14
63	An Automated Classification of Pathological Gait Using Unobtrusive Sensing Technology. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2336-2346.	4.9	49
64	Feature-level combination of skeleton joints and body parts for accurate aggressive and agitated behavior recognition. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 957-976.	4.9	15
65	The toronto rehab stroke pose dataset to detect compensation during stroke rehabilitation therapy. , 2017, , .		25
66	DAAD: A Framework for Detecting Agitation and Aggression in People Living with Dementia Using a Novel Multi-modal Sensor Network. , 2017, , .		22
67	Predicting the role of assistive technologies in the lives of people with dementia using objective care recipient factors. BMC Geriatrics, 2016, 16, 143.	2.7	21
68	Automated classification of pathological gait after stroke using ubiquitous sensing technology. , 2016, 2016, 6150-6153.		9
69	Comparative Analysis of Prominent Middleware Platforms in the Domain of Ambient Assisted Living (AAL) for an Older Adults with Dementia (OAwD) Scenario. Procedia Computer Science, 2016, 83, 537-544.	2.0	5
70	Activities people with cognitive deficits want to continue mastering â€“ A scoping study. British Journal of Occupational Therapy, 2016, 79, 399-408.	0.9	9
71	Ensemble Learning-Based Algorithms for Aggressive and Agitated Behavior Recognition. Lecture Notes in Computer Science, 2016, , 9-20.	1.3	9
72	Concurrent validity of the Microsoft Kinect for Windows v2 for measuring spatiotemporal gait parameters. Medical Engineering and Physics, 2016, 38, 952-958.	1.7	75

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73	Clustering home activity distributions for automatic detection of mild cognitive impairment in older adults1. Journal of Ambient Intelligence and Smart Environments, 2016, 8, 437-451.	1.4	36
74	Exploratory analysis of real personal emergency response call conversations: considerations for personal emergency response spoken dialogue systems. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 97.	4.6	5
75	Lâ€™ergothÃ©rapie et lâ€™ingÃ©nierie: mieux travailler ensemble. Canadian Journal of Occupational Therapy, 2016, 83, 70-71.	1.3	0
76	Occupational therapy and engineering. Canadian Journal of Occupational Therapy, 2016, 83, 68-69.	1.3	5
77	Development and evaluation of a hand tracker using depth images captured from an overhead perspective. Disability and Rehabilitation: Assistive Technology, 2016, 11, 150-157.	2.2	11
78	Ambient Assisted Living Technologies for Aging Well: A Scoping Review. Journal of Intelligent Systems, 2016, 25, 55-69.	1.6	195
79	A nonlinear contextually aware prompting system (N-CAPS) to assist workers with intellectual and developmental disabilities to perform factory assembly tasks: system overview and pilot testing. Disability and Rehabilitation: Assistive Technology, 2016, 11, 604-612.	2.2	22
80	Interdisciplinary development of manual and automated product usability assessments for older adults with dementia: lessons learned. Disability and Rehabilitation: Assistive Technology, 2016, 11, 581-587.	2.2	6
81	Expanding design possibilities for life with dementia. Interactions, 2016, 23, 59-61.	1.0	5
82	Older Adults' and Caregivers' Perspectives on In-Home Monitoring Technology. Journal of Gerontological Nursing, 2016, 42, 43-50.	0.6	16
83	Co-Designing Ambient Assisted Living (AAL) Environments: Unravelling the Situated Context of Informal Dementia Care. BioMed Research International, 2015, 2015, 1-12.	1.9	30
84	Speech Interaction with Personal Assistive Robots Supporting Aging at Home for Individuals with Alzheimerâ€™s Disease. ACM Transactions on Accessible Computing, 2015, 7, 1-22.	2.4	52
85	Living With Ambiguity: A Metasynthesis of Qualitative Research on Mild Cognitive Impairment. Gerontologist, The, 2015, 55, 892-912.	3.9	50
86	Lower body motion analysis to detect falls and near falls on stairs. Biomedical Engineering Letters, 2015, 5, 98-108.	4.1	13
87	Estimating in-home walking speed distributions for unobtrusive detection of mild cognitive impairment in older adults. , 2015, 2015, 5175-8.		8
88	Effectiveness of a Wheelchair Skills Training Program for Powered Wheelchair Users: A Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2015, 96, 2017-2026.e3.	0.9	46
89	2D Psychoacoustic modeling of equivalent masking for automatic speech recognition. Signal Processing, 2015, 115, 9-19.	3.7	4
90	Smart for Life. , 2015, , .		10

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91	Autonomous Unobtrusive Detection of Mild Cognitive Impairment in Older Adults. IEEE Transactions on Biomedical Engineering, 2015, 62, 1383-1394.	4.2	97
92	Perspectives on Collaboration in Technology Innovation for Ageing. Lecture Notes in Computer Science, 2015, , 27-37.	1.3	4
93	Themes identified and lessons learned through the development of intelligent environments that support healthy well-being. Journal of Ambient Intelligence and Smart Environments, 2014, 6, 215-235.	1.4	3
94	Vision-based approach for long-term mobility monitoring: Single case study following total hip replacement. Journal of Rehabilitation Research and Development, 2014, 51, 1165-1176.	1.6	19
95	Twenty Years of Cognitive Work Analysis in Health Care. Journal of Cognitive Engineering and Decision Making, 2014, 8, 3-22.	2.3	45
96	Vision-based categorization of upper body motion impairments and post-stroke motion synergies. International Journal on Disability and Human Development, 2014, 13, .	0.2	2
97	Generalized Linear Models of home activity for automatic detection of mild cognitive impairment in older adults. , 2014, 2014, 680-3.		4
98	Design and validation of an assessment tool for open surgical procedures. Surgical Endoscopy and Other Interventional Techniques, 2014, 28, 918-924.	2.4	12
99	Relational approach to knowledge engineering for POMDP-based assistance systems as a translation of a psychological model. International Journal of Approximate Reasoning, 2014, 55, 36-58.	3.3	10
100	Examining the impact of familiarity on faucet usability for older adults with dementia. BMC Geriatrics, 2013, 13, 63.	2.7	28
101	Design of a capacitive ECG sensor for unobtrusive heart rate measurements. , 2013, , .		28
102	Evaluation of an intelligent wheelchair system for older adults with cognitive impairments. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 90.	4.6	39
103	Development of a fuzzy logic based intelligent system for autonomous guidance of post-stroke rehabilitation exercise. , 2013, 2013, 6650472.		5
104	Everyday Patient-Care Technologies for Alzheimer's Disease. IEEE Pervasive Computing, 2013, 12, 80-83.	1.3	14
105	The CARES corpus: a database of older adult actor simulated emergency dialogue for developing a personal emergency response system. International Journal of Speech Technology, 2013, 16, 55-73.	2.2	3
106	Quantitative analysis of formal caregiversâ€™ use of communication strategies while assisting individuals with moderate and severe Alzheimer's disease during oral care. Journal of Communication Disorders, 2013, 46, 249-263.	1.5	25
107	A Survey on Ambient-Assisted Living Tools for Older Adults. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 579-590.	6.3	935
108	Video analysis for identifying human operation difficulties and faucet usability assessment. Neurocomputing, 2013, 100, 163-169.	5.9	14

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109	Power mobility with collision avoidance for older adults: User, caregiver, and prescriber perspectives. Journal of Rehabilitation Research and Development, 2013, 50, 1287-1300.	1.6	25
110	Engaging Older Adults with Dementia in Creative Occupations Using Artificially Intelligent Assistive Technology. Assistive Technology, 2013, 25, 72-79.	2.0	51
111	Performance of daily activities by older adults with dementia: The role of an assistive robot. , 2013, 2013, 6650405.		55
112	A real-world deployment of the COACH prompting system. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 463-478.	1.4	16
113	MyWalk: A Mobile App for Gait Asymmetry Rehabilitation in the Community. , 2013, , .		11
114	Examining Success of Communication Strategies Used by Formal Caregivers Assisting Individuals With Alzheimerâ€™s Disease During an Activity of Daily Living. Journal of Speech, Language, and Hearing Research, 2012, 55, 328-341.	1.6	52
115	People, sensors, decisions. ACM Transactions on Interactive Intelligent Systems, 2012, 2, 1-36.	3.7	35
116	Investigating the Efficacy of a Computerized Prompting Device to Assist Children with Autism Spectrum Disorder with Activities of Daily Living. Assistive Technology, 2012, 24, 286-298.	2.0	21
117	3D Human Motion Analysis to Detect Abnormal Events on Stairs. , 2012, , .		27
118	Using participatory design to determine the needs of informal caregivers for smart home user interfaces. , 2012, , .		28
119	Development of a portable robot and graphical user interface for haptic rehabilitation exercise. , 2012, , .		10
120	Vision-based posture assessment to detect and categorize compensation during robotic rehabilitation therapy. , 2012, , .		28
121	A novel multimodal platform for assessing surgical technical skills. American Journal of Surgery, 2012, 203, 32-36.	1.8	12
122	POMDP Models for Assistive Technology. , 2012, , 294-314.		7
123	Towards Aging-in-Place: Automatic Assessment of Product Usability for Older Adults with Dementia. , 2011, , .		3
124	A decision-theoretic approach in the design of an adaptive upper-limb stroke rehabilitation robot. , 2011, 2011, 5975418.		6
125	The development of an upper limb stroke rehabilitation robot: identification of clinical practices and design requirements through a survey of therapists. Disability and Rehabilitation: Assistive Technology, 2011, 6, 420-431.	2.2	64
126	Zero Effort Technologies: Considerations, Challenges, and Use in Health, Wellness, and Rehabilitation. Synthesis Lectures on Assistive Rehabilitative and Health-Preserving Technologies, 2011, 1, 1-94.	0.2	20

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127	Reducing fall risk by improving balance control: Development, evaluation and knowledge-translation of new approaches. Journal of Safety Research, 2011, 42, 473-485.	3.6	58
128	Development of a robotic device for upper limb stroke rehabilitation: A user-centered design approach. Paladyn, 2011, 2, 176-184.	2.7	23
129	The development of an adaptive upper-limb stroke rehabilitation robotic system. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 33.	4.6	61
130	Navigation and obstacle avoidance help (NOAH) for older adults with cognitive impairment. , 2011, , .		23
131	Towards a single sensor passive solution for automated fall detection. , 2011, 2011, 1773-6.		42
132	Usability testing of multimodal feedback interface and simulated collision-avoidance power wheelchair for long-term-care home residents with cognitive impairments. Journal of Rehabilitation Research and Development, 2011, 48, 801.	1.6	30
133	The future of intelligent assistive technologies for cognition: Devices under development to support independent living and aging-with-choice. NeuroRehabilitation, 2011, 28, 271-280.	1.3	35
134	Toward Enabling Winter Occupations: Testing a Winter Coat Designed for Older Adults. Canadian Journal of Occupational Therapy, 2011, 78, 57-64.	1.3	3
135	Towards the development of a technology for art therapy and dementia: Definition of needs and design constraints. Arts in Psychotherapy, 2010, 37, 293-300.	1.2	37
136	Difficulties in Automatic Speech Recognition of Dysarthric Speakers and Implications for Speech-Based Applications Used by the Elderly: A Literature Review. Assistive Technology, 2010, 22, 99-112.	2.0	98
137	Automated handwashing assistance for persons with dementia using video and a partially observable Markov decision process. Computer Vision and Image Understanding, 2010, 114, 503-519.	4.7	185
138	A tool to promote prolonged engagement in art therapy. , 2010, , .		15
139	A cardiorespiratory classifier of voluntary and involuntary electrodermal activity. BioMedical Engineering OnLine, 2010, 9, 11.	2.7	14
140	Automatic segmentation of video to aid the study of faucet usability for older adults. , 2010, , .		6
141	Water Flow Detection in a Handwashing Task. , 2010, , .		10
142	People's Perceptions and Expectations of Assistive Health-Enabling Technologies: An Empirical Study in Germany. Assistive Technology, 2009, 21, 86-93.	2.0	7
143	Design and prototype of a device to engage cognitively disabled older adults in visual artwork. , 2009, , .		9
144	Development of an automated speech recognition interface for personal emergency response systems. Journal of NeuroEngineering and Rehabilitation, 2009, 6, 26.	4.6	48

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145	Automated detection of unusual events on stairs. Image and Vision Computing, 2009, 27, 153-166.	4.5	37
146	Low-cost, Automated Assessment of Sit-To-Stand Movement in â€œNaturalâ€•Environments. IFMBE Proceedings, 2009, , 76-79.	0.3	6
147	The COACH prompting system to assist older adults with dementia through handwashing: An efficacy study. BMC Geriatrics, 2008, 8, 28.	2.7	238
148	A haptic-robotic platform for upper-limb reaching stroke therapy: Preliminary design and evaluation results. Journal of NeuroEngineering and Rehabilitation, 2008, 5, 15.	4.6	52
149	A novel asynchronous access method with binary interfaces. Journal of NeuroEngineering and Rehabilitation, 2008, 5, 24.	4.6	7
150	Assessing the potential of electrodermal activity as an alternative access pathway. Medical Engineering and Physics, 2008, 30, 498-505.	1.7	41
151	The Acceptability of Home Monitoring Technology Among Community-Dwelling Older Adults and Baby Boomers. Assistive Technology, 2008, 20, 1-12.	2.0	89
152	The use of an intelligent prompting system for people with dementia. Interactions, 2007, 14, 34-37.	1.0	99
153	Examining effective communication strategies used by formal caregivers when interacting with Alzheimerâ€™s disease residents during an activity of daily living (ADL). Brain and Language, 2007, 103, 199-200.	1.6	5
154	An Intelligent Powered Wheelchair to Enable Mobility of Cognitively Impaired Older Adults: An Anticollision System. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2007, 15, 136-143.	4.9	44
155	Assistive Computing Devices. CIN - Computers Informatics Nursing, 2006, 24, 328-336.	0.5	18
156	A Planning System Based on Markov Decision Processes to Guide People With Dementia Through Activities of Daily Living. IEEE Transactions on Information Technology in Biomedicine, 2006, 10, 323-333.	3.2	144
157	Technology in the Lives of Women Who Live With Memory Impairment as a Result of a Traumatic Brain Injury. Assistive Technology, 2006, 18, 170-180.	2.0	9
158	Conscious Control of Electrodermal Activity: The Potential of Mental Exercises. , 2006, Suppl, 6561-4.		2
159	The Use of Automated Prompting to Facilitate Handwashing in Persons With Dementia. American Journal of Occupational Therapy, 2006, 60, 442-450.	0.3	43
160	An intelligent emergency response system: preliminary development and testing of automated fall detection. Journal of Telemedicine and Telecare, 2005, 11, 194-198.	2.7	247
161	Understanding and measuring powered wheelchair mobility and manoeuvrability. Part I. Reach in confined spaces. Disability and Rehabilitation, 2005, 27, 939-949.	1.8	35
162	The Use of Computer Vision in an Intelligent Environment to Support Aging-in-Place, Safety, and Independence in the Home. IEEE Transactions on Information Technology in Biomedicine, 2004, 8, 238-247.	3.2	155

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163	The efficacy of an intelligent cognitive orthosis to facilitate handwashing by persons with moderate to severe dementia. Neuropsychological Rehabilitation, 2004, 14, 135-171.	1.6	93
164	Assistive technology for cognitive rehabilitation: State of the art. Neuropsychological Rehabilitation, 2004, 14, 5-39.	1.6	288
165	The development of a computerized cueing device to help people with dementia to be more independent. Technology and Disability, 2001, 13, 23-40.	0.6	30
166	The Use of Artificial Intelligence in the Design of an Intelligent Cognitive Orthosis for People with Dementia. Assistive Technology, 2001, 13, 23-39.	2.0	78
167	POMDP Models for Assistive Technology. , 0, , 120-140.		0