Ann-Marie Hughes

List of Publications by Year
in descending order

58 papers	1,232 citations	394421 19 h-index	414414 32 g-index
59 all docs	59 docs citations	59 times ranked	1436 citing authors

#	Article	IF	Citations
1	Translation of evidence-based Assistive Technologies into stroke rehabilitation: usersâ€™ perceptions of the barriers and opportunities. BMC Health Services Research, 2014, 14, 124.	2.2	90
2	Motivating mobility. , 2011, , .		86
3	Assistive technologies after stroke: self-management or fending for yourself? A focus group study. BMC Health Services Research, 2013, 13, 334.	2.2	80
4	Using Functional Electrical Stimulation Mediated by Iterative Learning Control and Robotics to Improve Arm Movement for People With Multiple Sclerosis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 235-248.	4.9	79
5	Functional electrical stimulation mediated by iterative learning control and 3D robotics reduces motor impairment in chronic stroke. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 32.	4.6	68
6	A Model of the Upper Extremity Using FES for Stroke Rehabilitation. Journal of Biomechanical Engineering, 2009, 131, 031011.	1.3	66
7	The application of precisely controlled functional electrical stimulation to the shoulder, elbow and wrist for upper limb stroke rehabilitation: a feasibility study. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 105.	4.6	66
8	Telehealth, Wearable Sensors, and the Internet: Will They Improve Stroke Outcomes Through Increased Intensity of Therapy, Motivation, and Adherence to Rehabilitation Programs?. Journal of Neurologic Physical Therapy, 2017, 41, S32-S38.	1.4	57
9	Trunk Restraint to Promote Upper Extremity Recovery in Stroke Patients. Neurorehabilitation and Neural Repair, 2014, 28, 660-677.	2.9	54
10	Potential for new technologies in clinical practice. Current Opinion in Neurology, 2010, 23, 671-677.	3.6	52
11	Development of User-Friendly Wearable Electronic Textiles for Healthcare Applications. Sensors, 2018, 18, 2410.	3.8	49
12	A Systematic Review of International Clinical Guidelines for Rehabilitation of People With Neurological Conditions: What Recommendations Are Made for Upper Limb Assessment?. Frontiers in Neurology, 2019, 10, 567.	2.4	46
13	Upper-limb stroke rehabilitation using electrode-array based functional electrical stimulation with sensing and control innovations. Medical Engineering and Physics, 2016, 38, 366-379.	1.7	42
14	Therapeutic Effectiveness of Electric Stimulation of the Upper-Limb Poststroke Using Implanted Microstimulators. Archives of Physical Medicine and Rehabilitation, 2008, 89, 1913-1922.	0.9	33
15	Effect of Trunk Support on Upper Extremity Function in People With Chronic Stroke and People Who Are Healthy. Physical Therapy, 2015, 95, 1163-1171.	2.4	29
16	Stroke participants' perceptions of robotic and electrical stimulation therapy: a new approach. Disability and Rehabilitation: Assistive Technology, 2011, 6, 130-138.	2.2	25
17	A systematic review of the key factors affecting tissue viability and rehabilitationÂoutcomes of the residual limb in lower extremity traumatic amputees. Journal of Tissue Viability, 2014, 23, 81-93.	2.0	25
18	Evaluation of upper extremity neurorehabilitation using technology: a European Delphi consensus study within the EU COST Action Network on Robotics for Neurorehabilitation. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 86.	4.6	22

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19	European evidence-based recommendations for clinical assessment of upper limb in neurorehabilitation (CAULIN): data synthesis from systematic reviews, clinical practice guidelines and expert consensus. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 162.	4.6	22
20	Do trunk exercises improve trunk and upper extremity performance, post stroke? A systematic review and meta-analysis. NeuroRehabilitation, 2019, 43, 395-412.	1.3	21
21	Goal orientated stroke rehabilitation utilising electrical stimulation, iterative learning and Microsoft Kinect. , 2013, , .		19
22	Factors affecting rehabilitation and use of upper limb after stroke: views from healthcare professionals and stroke survivors. Topics in Stroke Rehabilitation, 2019, 26, 94-100.	1.9	19
23	A Taxonomy of Ethical, Legal and Social Implications of Wearable Robots: An Expert Perspective. Science and Engineering Ethics, 2020, 26, 3229-3247.	2.9	18
24	FES based rehabilitation of the upper limb using input/output linearization and ILC. , 2012, , .		17
25	Computational models of upper-limb motion during functional reaching tasks for application in FES-based stroke rehabilitation. Biomedizinische Technik, 2015, 60, 179-91.	0.8	16
26	Rehabilitation centred design. , 2010, , .		15
27	A Home-based FES System for Upper-limb Stroke Rehabilitation with Iterative Learning Control. IFAC-PapersOnLine, 2017, 50, 12089-12094.	0.9	12
28	Factors Associated With Hand and Upper Arm Functional Disability in People With Rheumatoid Arthritis: A Systematic Review. Arthritis Care and Research, 2019, 71, 1473-1481.	3.4	12
29	A Personalized Sensor-Controlled Microstimulator System for Arm Rehabilitation Poststroke. Part 2: Objective Outcomes and Patients' Perspectives. Neuromodulation, 2011, 14, 80-88.	0.8	11
30	Optimisation of hand posture stimulation using an electrode array and iterative learning control. Journal of Automatic Control, 2013, 21, 1-5.	1.0	11
31	Implementing Ethical, Legal, and Societal Considerations in Wearable Robot Design. Applied Sciences (Switzerland), 2021, 11, 6705.	2.5	8
32	Using a Minimum Set of Wearable Sensors to Assess Quality of Movement in Stroke Survivors. , 2017, , .		6
33	Multichannel Biphasic Muscle Stimulation System for Post Stroke Rehabilitation. Electronics (Switzerland), 2020, 9, 1156.	3.1	6
34	Instrumented trunk impairment scale (iTIS): A reliable measure of trunk impairment in the stroke population. Topics in Stroke Rehabilitation, 2021, 28, 456-463.	1.9	5
35	The Arabic Arthritis Self-Efficacy Scale-8 (ASES-8): a valid and reliable measure of evaluating self-efficacy in Palestinian patients with rheumatoid arthritis. Disability and Rehabilitation, 2021, 43, 3827-3833.	1.8	5
36	An Experimental Facility using Functional Electrical Stimulation for Stroke Rehabilitation of the Upper Limb. , 2007, , .		4

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37	Design & control of an upper arm fes workstation for rehabilitation. , 2009, , .		4
38	Upper limb rehabilitation of stroke participants using electrical stimulation: Changes in tracking and EMG timing. , 2009, , .		4
39	Upper limb stroke rehabilitation: The effectiveness of Stimulation Assistance through Iterative Learning (SAIL). , 2011, 2011, 5975502.		4
40	Electrical stimulation and iterative learning control for functional recovery in the upper limb post-stroke. , 2013, 2013, 6650359.		4
41	Upper limb and eye movement coordination during reaching tasks in people with stroke. Disability and Rehabilitation, 2018, 40, 2424-2432.	1.8	4
42	FES-based upper-limb stroke rehabilitation with advanced sensing and control. , 2015, , .		3
43	Measurement of motor-evoked potential resting threshold and amplitude of proximal and distal arm muscles in healthy adults. A reliability study. Journal of Rehabilitation and Assistive Technologies Engineering, 2018, 5, 205566831876540.	0.9	3
44	Concurrent Validity of a Novel Wireless Inertial Measurement System for Assessing Trunk Impairment in People with Stroke. Sensors, 2020, 20, 1699.	3.8	3
45	Arm Rehabilitation at Home for People with Stroke: Staying Safe: Encouraging Results from the Co-designed LifeCIT Programme. , 2017, , 59-79.		2
46	SAIL: A 3D rehabilitation system to improve arm function following stroke. Progress in Neurology and Psychiatry, 2011, 15, 6-10.	0.9	1
47	Electrical stimulation and iterative learning control combined with real objects and simulated tasks to assist motor recovery in the upper extremity post-stroke. , 2014, , .		1
48	Measurement properties of patient-reported hand function measures in rheumatoid arthritis: a systematic review protocol. Physical Therapy Reviews, 2019, 24, 60-65.	0.8	1
49	Longitudinal analysis of the recovery of trunk control and upper extremity following stroke: An individual growth curve approach. Topics in Stroke Rehabilitation, 2021, , 1-16.	1.9	1
50	Using the Tuning Methodology to design the founding benchmark competences for a new academic professional field: the case of Advanced Rehabilitation Technologies. Tuning Journal for Higher Education, 2016, 3, 249.	0.5	1
51	Robotic trajectory tracking for neurological rehabilitation. Progress in Neurology and Psychiatry, 2008, 12, 22-24.	0.9	0
52	Efficacy of iterative learning control for stroke rehabilitation. Progress in Neurology and Psychiatry, 2009, 13, 16-20.	0.9	0
53	SAIL: A 3D rehabilitation system to improve arm function following stroke. Progress in Neurology and Psychiatry, 2012, 16, 17-19.	0.9	0
54	ILC Based Upper-Limb Rehabilitationâ€"Planar Tasks. Springer Briefs in Electrical and Computer Engineering, 2015, , 25-61.	0.5	0

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55	Iterative Learning Control as an Enabler for Robotic-Assisted Upper Limb Stroke Rehabilitation. Studies in Systems, Decision and Control, 2016, , 157-187.	1.0	0
56	Goal-Oriented Stroke Rehabilitation. Springer Briefs in Electrical and Computer Engineering, 2015, , 93-116.	0.5	0
57	Iterative Learning Control of the Unconstrained Upper Limb. Springer Briefs in Electrical and Computer Engineering, 2015, , 63-91.	0.5	0
58	Conclusions and Further Research. Springer Briefs in Electrical and Computer Engineering, 2015, , 117-120.	0.5	0