

Assessment of upper extremity impairment, function, a for clinical decision making

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evaluation of upper extremity reachable workspace using Kinect camera. <i>Technology and Health Care</i> , 2013, 21, 641-656.	0.5	86
2	The Manometer: A non-obtrusive wearable device for monitoring spontaneous use of the wrist and fingers. , 2013, 2013, 6650397.		17
3	Accelerometry Measuring the Outcome of Robot-Supported Upper Limb Training in Chronic Stroke: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2014, 9, e96414.	1.1	42
4	Resting-State Functional Connectivity and Its Association With Multiple Domains of Upper-Extremity Function in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 761-769.	1.4	54
5	Two Common Tests of Dexterity Can Stratify Upper Limb Motor Function After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 788-796.	1.4	32
6	Assessment of movement quality in robot- assisted upper limb rehabilitation after stroke: a review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 137.	2.4	202
7	Spatial cognitive rehabilitation and motor recovery after stroke. <i>Current Opinion in Neurology</i> , 2014, 27, 653-658.	1.8	47
8	Assessing upper limb function in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014, 20, 775-784.	1.4	48
9	Prediction and Stratification of Upper Limb Function and Self-Care in Acute Cervical Spinal Cord Injury With the Graded Redefined Assessment of Strength, Sensibility, and Prehension (GRASSP). <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 632-642.	1.4	40
10	Upper extremity muscle activation during drinking from a glass in subjects with chronic stroke. <i>Journal of Physical Therapy Science</i> , 2015, 27, 701-703.	0.2	5
11	Physical Activity Alone May Enhance Health But It May Not Reduce Disability in Chronic Stroke Survivors. <i>Kinesiology Review</i> , 2015, 4, 3-10.	0.4	0
12	Comparison of Functions, Activity of Daily Living, and Quality of Life according to Hand Dominance in Stroke. <i>Brain & Neurorehabilitation</i> , 2015, 8, 96.	0.4	1
13	High-Intensity, Unilateral Resistance Training of a Non-Paretic Muscle Group Increases Active Range of Motion in a Severely Paretic Upper Extremity Muscle Group after Stroke. <i>Frontiers in Neurology</i> , 2015, 6, 119.	1.1	45
14	Are Movement Disorders and Sensorimotor Injuries Pathologic Synergies? When Normal Multi-Joint Movement Synergies Become Pathologic. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1050.	1.0	49
15	Predicting Recovery of Voluntary Upper Extremity Movement in Subacute Stroke Patients with Severe Upper Extremity Paresis. <i>PLoS ONE</i> , 2015, 10, e0126857.	1.1	25
16	Reliability of maximal grip strength measurements and grip strength recovery following a stroke. <i>Journal of Hand Therapy</i> , 2015, 28, 356-363.	0.7	51
17	Real-world affected upper limb activity in chronic stroke: an examination of potential modifying factors. <i>Topics in Stroke Rehabilitation</i> , 2015, 22, 26-33.	1.0	42
18	Applications of inertial sensors in medicine: towards model-based rehabilitation of stroke. <i>IFAC-PapersOnLine</i> , 2015, 48, 442-447.	0.5	9

#	ARTICLE	IF	CITATIONS
19	Cloud-based rehabilitation and recovery prediction system for stroke patients. <i>Cluster Computing</i> , 2015, 18, 803-815.	3.5	17
20	Acceleration Metrics Are Responsive to Change in Upper Extremity Function of Stroke Survivors. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 854-861.	0.5	64
21	An overview of systematic reviews on upper extremity outcome measures after stroke. <i>BMC Neurology</i> , 2015, 15, 29.	0.8	130
22	Functional electrical stimulation (FES) for upper limb function after stroke. , 2015, , 307-329.		2
23	Validity of Body-Worn Sensor Acceleration Metrics to Index Upper Extremity Function in Hemiparetic Stroke. <i>Journal of Neurologic Physical Therapy</i> , 2015, 39, 111-118.	0.7	59
24	A Fully Automated, Quantitative Test of Upper Limb Function. <i>Journal of Motor Behavior</i> , 2015, 47, 19-28.	0.5	22
25	Quantifying patterns of upper limb motor change following BTX-A injection in adult spasticity management. <i>Brain Injury</i> , 2015, 29, 1452-1459.	0.6	4
26	The effect of differential training-based occupational therapy on hand and arm function in patients after stroke: Results of the pilot study. <i>Neurologia I Neurochirurgia Polska</i> , 2015, 49, 150-155.	0.6	10
27	Neuromuscular Electrical Stimulation for Motor Restoration in Hemiplegia. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2015, 26, 729-745.	0.7	96
28	Comparison of Three Tools to Measure Improvements in Upper-Limb Function With Poststroke Therapy. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 341-348.	1.4	27
29	Efficacy of Modified Constraint Induced Movement Therapy in the Treatment of Hemiparetic Upper Limb in Stroke Patients: A Randomized Controlled Trial. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2016, 10, YC01-YC05.	0.8	12
30	Exploring the Role of Accelerometers in the Measurement of Real World Upper-Limb Use After Stroke. <i>Brain Impairment</i> , 2016, 17, 16-33.	0.5	90
31	Flexible and Stretchable Strain Sensing Actuator for Wearable Soft Robotic Applications. <i>Advanced Materials Technologies</i> , 2016, 1, 1600018.	3.0	188
32	Instrumental indices for upper limb function assessment in stroke patients: a validation study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 52.	2.4	29
33	Virtual reality based stroke recovery for upper limbs using leap motion. , 2016, , .		16
34	A virtual reality system for post stroke recovery. , 2016, , .		5
35	Guidelines for Adult Stroke Rehabilitation and Recovery. <i>Stroke</i> , 2016, 47, e98-e169.	1.0	1,847
36	Quantifying Change During Outpatient Stroke Rehabilitation: A Retrospective Regression Analysis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 1423-1430.e1.	0.5	15

#	ARTICLE	IF	CITATIONS
37	Test-Retest Reliability and Convergent Validity of Three Manual Dexterity Measures in Persons With Chronic Stroke. <i>PM and R</i> , 2016, 8, 935-943.	0.9	24
38	Computational neurorehabilitation: modeling plasticity and learning to predict recovery. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 42.	2.4	125
39	Changes in skeletal muscle perfusion and spasticity in patients with poststroke hemiparesis treated by robotic assistance (Gloreha) of the hand. <i>Journal of Physical Therapy Science</i> , 2016, 28, 769-773.	0.2	15
40	Dose response of task-specific upper limb training in people at least 6 months poststroke: A phase II, single-blind, randomized, controlled trial. <i>Annals of Neurology</i> , 2016, 80, 342-354.	2.8	188
41	Model-based variables for the kinematic assessment of upper-extremity impairments in post-stroke patients. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 81.	2.4	13
42	Design of a wearable FMG sensing system for user intent detection during hand rehabilitation with a soft robotic glove. , 2016, , .		22
43	Measuring arm function early after stroke: is the DASH good enough?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 604-610.	0.9	17
44	Who May Benefit From Armeo Power Treatment? A Neurophysiological Approach to Predict Neurorehabilitation Outcomes. <i>PM and R</i> , 2016, 8, 971-978.	0.9	43
45	A clinically feasible kinematic assessment method of upper extremity motor function impairment after stroke. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 80, 207-216.	2.5	43
46	Compensatory Versus Noncompensatory Shoulder Movements Used for Reaching in Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 635-646.	1.4	86
47	Reference values of manual dexterity using Minnesota Rate of Manipulation Test for Indian adults. <i>Hand Therapy</i> , 2017, 22, 79-85.	0.5	2
48	Does Task-Specific Training Improve Upper Limb Performance in Daily Life Poststroke?. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 290-300.	1.4	115
49	Contralesional Brain-Computer Interface Control of a Powered Exoskeleton for Motor Recovery in Chronic Stroke Survivors. <i>Stroke</i> , 2017, 48, 1908-1915.	1.0	151
50	ALTERNATIVE METHOD OF UPPER EXTREMITY FUNCTION ASSESSMENT OF STROKE PATIENTS BY ANGULAR KINEMATIC PARAMETERS. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1750080.	0.3	1
51	Inter-rater reliability of two-point discrimination in acute stroke patients. <i>NeuroRehabilitation</i> , 2017, 41, 127-134.	0.5	18
52	Feedforward model based arm weight compensation with the rehabilitation robot ARMin. , 2017, 2017, 72-77.		21
53	SITAR: a system for independent task-oriented assessment and rehabilitation. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2017, 4, 205566831772963.	0.6	9
54	Examining a new functional electrical stimulation therapy with people with severe upper extremity hemiparesis and chronic stroke: A feasibility study. <i>British Journal of Occupational Therapy</i> , 2017, 80, 651-659.	0.5	18

#	ARTICLE	IF	CITATIONS
55	A Method for Quantifying Upper Limb Performance in Daily Life Using Accelerometers. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	53
56	Improvement in Kinect based measurements using anthropometric constraints for rehabilitation. , 2017, , .		8
57	Does non-invasive brain stimulation modify hand dexterity? Protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2017, 7, e015669.	0.8	2
58	Identifying compensatory movement patterns in the upper extremity using a wearable sensor system. <i>Physiological Measurement</i> , 2017, 38, 2222-2234.	1.2	26
59	Effects of Transcranial Direct Current Stimulation With Sensory Modulation on Stroke Motor Rehabilitation: A Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 2477-2484.	0.5	25
60	Using a Tablet Device to Compensate for Underestimation of Cognitive Function due to Impaired Dominant Hand Function in Stroke Patients. <i>International Journal of Human-Computer Interaction</i> , 2017, 33, 423-427.	3.3	0
61	Validity of a sensor-based table-top platform to measure upper limb function. , 2017, 2017, 652-657.		3
62	Strength training of the upper extremity in virtual reality with an exoskeleton robot. , 2017, , .		1
63	Hand Passive Mobilization Performed with Robotic Assistance: Acute Effects on Upper Limb Perfusion and Spasticity in Stroke Survivors. <i>BioMed Research International</i> , 2017, 2017, 1-6.	0.9	21
64	Kinematic measures for upper limb robot-assisted therapy following stroke and correlations with clinical outcome measures: A review. <i>Medical Engineering and Physics</i> , 2018, 53, 13-31.	0.8	67
65	Changes in Tactile Function During Intensive Bimanual Training in Children With Unilateral Spastic Cerebral Palsy. <i>Journal of Child Neurology</i> , 2018, 33, 260-268.	0.7	10
66	Improving joint position estimation of Kinect using anthropometric constraint based adaptive Kalman filter for rehabilitation. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 035002.	0.6	5
67	Effects of Kinect-based virtual reality game training on upper extremity motor recovery in chronic stroke. <i>Somatosensory & Motor Research</i> , 2018, 35, 25-32.	0.4	84
68	The impact of robot-mediated adaptive I-TRAVLE training on impaired upper limb function in chronic stroke and multiple sclerosis. <i>Disability and Rehabilitation: Assistive Technology</i> , 2018, 13, 1-9.	1.3	26
69	Hand strengthening exercises in chronic stroke patients: Dose-response evaluation using electromyography. <i>Journal of Hand Therapy</i> , 2018, 31, 111-121.	0.7	19
70	Applicability of the grip strength and automated von Frey tactile sensitivity tests in the mouse photothrombotic model of stroke. <i>Behavioural Brain Research</i> , 2018, 336, 250-255.	1.2	44
71	Muscle recruitment and coordination during upper-extremity functional tests. <i>Journal of Electromyography and Kinesiology</i> , 2018, 38, 143-150.	0.7	12
72	Restoring Motor Functions After Stroke: Multiple Approaches and Opportunities. <i>Neuroscientist</i> , 2018, 24, 400-416.	2.6	60

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73	Robust Classification of Functional and Nonfunctional Arm Movement after Stroke Using a Single Wrist-Worn Sensor Device. , 2018, , .		5
74	Measurement of Immediate Effect by Therapeutic Electrical Stimulation Using a New Desktop Rehabilitation Robot. International Journal of Physical Medicine & Rehabilitation, 2018, 06, .	0.5	0
75	Reliability and validity of the shortened Singapore versions of the Chedoke Arm and Hand Activity Inventory. International Journal of Rehabilitation Research, 2018, 41, 297-303.	0.7	0
76	Indications of Neural Disorder through Automated Assessment of the Box and Block Test. , 2018, , .		3
77	Remote Cloud-Based Automated Stroke Rehabilitation Assessment Using Wearables. , 2018, , .		2
78	Improving Hand Function of Severely Impaired Chronic Hemiparetic Stroke Individuals Using Task-Specific Training With the ReIn-Hand System: A Case Series. Frontiers in Neurology, 2018, 9, 923.	1.1	14
79	Management of Upper Limb Impairment in Neurorehabilitation. , 0, , 74-89.		0
80	Neuroimaging, serum biomarkers, and patient characteristics as predictors of upper limb functioning 12 weeks after acute stroke: an observational, prospective study. Topics in Stroke Rehabilitation, 2018, 25, 584-590.	1.0	3
81	Motor neuroprosthesis for promoting recovery of function after stroke. The Cochrane Library, 2018, , .	1.5	1
83	Upper Limb Kinematics in Stroke and Healthy Controls Using Target-to-Target Task in Virtual Reality. Frontiers in Neurology, 2018, 9, 300.	1.1	50
84	Cross-cultural adaptation and psychometric evaluation of the Singapore version of the Chedoke Arm and Hand Activity. Disability and Rehabilitation, 2019, 41, 2570-2577.	0.9	0
85	Roboticâ€assisted therapy with bilateral practice improves task and motor performance in the upper extremities of chronic stroke patients: A randomised controlled trial. Australian Occupational Therapy Journal, 2019, 66, 637-647.	0.6	14
86	Acquired Brain Injury. , 2019, , .		3
87	Robot-Assisted Arm Training in Chronic Stroke: Addition of Transition-to-Task Practice. Neurorehabilitation and Neural Repair, 2019, 33, 751-761.	1.4	33
88	Remote monitoring of stroke patients' rehabilitation using wearable accelerometers. , 2019, , .		14
89	Multichannel Nerve Stimulation for Diverse Activation of Finger Flexors. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 2361-2368.	2.7	7
90	Perspectives and Challenges in Robotic Neurorehabilitation. Applied Sciences (Switzerland), 2019, 9, 3183.	1.3	68
91	Putting the â€Sensoryâ€Into Sensorimotor Control: The Role of Sensorimotor Integration in Goal-Directed Hand Movements After Stroke. Frontiers in Integrative Neuroscience, 2019, 13, 16.	1.0	85

#	ARTICLE	IF	CITATIONS
92	Evaluation of the usability of an actively actuated arm support. <i>Assistive Technology</i> , 2019, 33, 1-7.	1.2	3
93	Detection of Pediatric Upper Extremity Motor Activity and Deficits With Accelerometry. <i>JAMA Network Open</i> , 2019, 2, e192970.	2.8	21
94	Review of Automated Systems for Upper Limbs Functional Assessment in Neurorehabilitation. <i>IEEE Access</i> , 2019, 7, 32352-32367.	2.6	42
95	Design and Analysis of Cloud Upper Limb Rehabilitation System Based on Motion Tracking for Post-Stroke Patients. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1620.	1.3	9
96	Sensory Function, Measured as Active Discriminative Touch, is Associated With Dexterity after Stroke. <i>PM and R</i> , 2019, 11, 821-827.	0.9	9
97	Sensor Measures of Symmetry Quantify Upper Limb Movement in the Natural Environment Across the Lifespan. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 1176-1183.	0.5	25
98	A virtual reality tool for measuring and shaping trunk compensation for persons with stroke: Design and initial feasibility testing. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2019, 6, 205566831882367.	0.6	10
99	Changes in actual arm-hand use in stroke patients during and after clinical rehabilitation involving a well-defined arm-hand rehabilitation program: A prospective cohort study. <i>PLoS ONE</i> , 2019, 14, e0214651.	1.1	25
100	Is Unilateral Spatial Neglect Associated With Motor Recovery of the Affected Upper Extremity Poststroke? A Systematic Review. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 179-187.	1.4	12
101	Development of an extensible, wireless framework for personalized muscle rehabilitation. , 2019, , .		2
102	Identifying EEG Parameters to Monitor Stroke Rehabilitation using Individual Analysis. , 2019, , .		11
103	Physical activity and health-related quality of life in former elite and recreational cricketers from the UK with upper extremity or lower extremity persistent joint pain: a cross-sectional study. <i>BMJ Open</i> , 2019, 9, e032606.	0.8	9
104	Immersive Virtual Reality Mirror Therapy for Upper Limb Recovery After Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2019, 98, 783-788.	0.7	70
105	Neuromuscular Electrical Stimulation and Stroke Recovery. , 2019, , 199-213.		2
106	Strength or Motor Control: What Matters in High-Functioning Stroke?. <i>Frontiers in Neurology</i> , 2018, 9, 1160.	1.1	24
107	Evaluation of manual ability in stroke patients in Benin: cultural adaptation and Rasch validation of the ABILHAND-Stroke questionnaire. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2019, 55, 19-28.	1.1	3
108	Characterizing Spontaneous Motor Recovery Following Cortical and Subcortical Stroke in the Rat. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 27-37.	1.4	25
109	Feasibility of incorporating functionally relevant virtual rehabilitation in sub-acute stroke care: perception of patients and clinicians. <i>Disability and Rehabilitation: Assistive Technology</i> , 2019, 14, 361-367.	1.3	20

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110	Validation of French upper limb Erasmus modified Nottingham Sensory Assessment in stroke. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019, 62, 35-42.	1.1	13
111	Effects of in home high dose accelerometer-based feedback on perceived and actual use in participants chronic post-stroke. <i>Physiotherapy Theory and Practice</i> , 2020, 36, 799-809.	0.6	15
112	Botulinum toxin A injection in the management of shoulder muscle overactivity: A scoping review. <i>Brain Impairment</i> , 2020, 21, 86-98.	0.5	1
113	Arm Subscore of Motricity Index to Predict Recovery of Upper Limb Dexterity in Patients With Acute Ischemic Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2020, 99, 300-304.	0.7	10
114	A systematic review of the application and psychometric properties of the graded Wolf Motor Function Test. <i>British Journal of Occupational Therapy</i> , 2020, 83, 285-296.	0.5	2
115	Impaired Motor Control and Neurologic Rehabilitation in Older Adults. , 2020, , 379-399.		0
116	Technology-aided assessment of functionally relevant sensorimotor impairments in arm and hand of post-stroke individuals. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 128.	2.4	19
117	Kinematic parameters obtained with the ArmeoSpring for upper-limb assessment after stroke: a reliability and learning effect study for guiding parameter use. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 130.	2.4	9
118	Bilateral capacity is related to bilateral upper limb use after stroke: a study by behavioral maps, accelerometers and perceived amount of use. <i>Disability and Rehabilitation</i> , 2020, , 1-9.	0.9	1
119	Muscle Activity After Stroke: Perspectives on Deploying Surface Electromyography in Acute Care. <i>Frontiers in Neurology</i> , 2020, 11, 576757.	1.1	11
120	sEMG-biofeedback armband for hand motor rehabilitation in stroke patients: a preliminary pilot longitudinal study. , 2020, , .		3
121	Characterizing upper extremity motor behavior in the first week after stroke. <i>PLoS ONE</i> , 2020, 15, e0221668.	1.1	19
123	Consensus-Based Core Set of Outcome Measures for Clinical Motor Rehabilitation After Stroke—A Delphi Study. <i>Frontiers in Neurology</i> , 2020, 11, 875.	1.1	54
124	Equal Opportunities for Stroke Survivors—™ Rehabilitation: A Study on the Validity of the Upper Extremity Fugl-Meyer Assessment Scale Translated and Adapted into Romanian. <i>Medicina (Lithuania)</i> , 2020, 56, 409.	0.8	10
125	A Longitudinal Investigation of the Efficacy of Supported In-Home Post-Stroke Rehabilitation. <i>IEEE Access</i> , 2020, 8, 138690-138700.	2.6	6
126	Impact of smart force feedback rehabilitation robot training on upper limb motor function in the subacute stage of stroke. <i>NeuroRehabilitation</i> , 2020, 47, 209-215.	0.5	9
127	Motor Deficits in the Ipsilesional Arm of Severely Paretic Stroke Survivors Correlate With Functional Independence in Left, but Not Right Hemisphere Damage. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 599220.	1.0	6
128	A Comparative Study on the Effect of Task Specific Training on Right Versus Left Chronic Stroke Patients. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7950.	1.2	2

#	ARTICLE	IF	CITATIONS
129	Low frequency transcranial magnetic stimulation in subacute ischemic stroke: Number of sessions that altered cortical excitability. <i>NeuroRehabilitation</i> , 2020, 47, 427-434.	0.5	4
130	Biodex® training post-stroke for postural stability in the upper trunk: A pilot study. <i>South African Journal of Physiotherapy</i> , 2020, 76, 1416.	0.3	0
131	Implementation of Wearable Sensing Technology for Movement: Pushing Forward into the Routine Physical Rehabilitation Care Field. <i>Sensors</i> , 2020, 20, 5744.	2.1	51
132	Systematic review on the application of wearable inertial sensors to quantify everyday life motor activity in people with mobility impairments. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 148.	2.4	47
133	Force control predicts fine motor dexterity in high-functioning stroke survivors. <i>Neuroscience Letters</i> , 2020, 729, 135015.	1.0	11
134	Spastic movement disorder: should we forget hyperexcitable stretch reflexes and start talking about inappropriate prediction of sensory consequences of movement?. <i>Experimental Brain Research</i> , 2020, 238, 1627-1636.	0.7	21
135	Motor improvement estimation and task adaptation for personalized robot-aided therapy: a feasibility study. <i>BioMedical Engineering OnLine</i> , 2020, 19, 33.	1.3	14
136	Evaluating upper limb function after stroke using the free-living accelerometer data. <i>Statistical Methods in Medical Research</i> , 2020, 29, 3249-3264.	0.7	8
137	A data-driven framework for selecting and validating digital health metrics: use-case in neurological sensorimotor impairments. <i>Npj Digital Medicine</i> , 2020, 3, 80.	5.7	29
138	Motor Neuroprosthesis for Promoting Recovery of Function After Stroke. <i>Stroke</i> , 2020, 51, e119-e120.	1.0	5
139	The reliability of the graded Wolf Motor Function Test for stroke. <i>British Journal of Occupational Therapy</i> , 2020, 83, 585-594.	0.5	3
140	Low-cost equipment for the evaluation of reach and grasp in post-stroke individuals: a pilot study. <i>BioMedical Engineering OnLine</i> , 2020, 19, 14.	1.3	4
141	The Promotoer, a brain-computer interface-assisted intervention to promote upper limb functional motor recovery after stroke: a study protocol for a randomized controlled trial to test early and long-term efficacy and to identify determinants of response. <i>BMC Neurology</i> , 2020, 20, 254.	0.8	21
142	Motor neuroprosthesis for promoting recovery of function after stroke. <i>The Cochrane Library</i> , 2020, 1, CD012991.	1.5	5
143	The assessment of trunk recovery in stroke patients using 3D kinematic measures. <i>Medical Engineering and Physics</i> , 2020, 78, 98-105.	0.8	9
144	Responsiveness of kinematic and clinical measures of upper-limb motor function after stroke: A systematic review and meta-analysis. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021, 64, 101366.	1.1	24
145	Effect of Standing on a Standardized Measure of Upper Extremity Function. <i>OTJR Occupation, Participation and Health</i> , 2021, 41, 32-39.	0.4	0
146	Quantitative measurement of upper limb motion pre- and post-treatment with Botulinum Toxin. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 168, 108304.	2.5	9

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147	Evaluating Rehabilitation Progress Using Motion Features Identified by Machine Learning. IEEE Transactions on Biomedical Engineering, 2021, 68, 1417-1428.	2.5	12
148	Quantifying Pathological Synergies in the Upper Extremity of Stroke Subjects With the Use of Inertial Measurement Units: A Pilot Study. IEEE Journal of Translational Engineering in Health and Medicine, 2021, 9, 1-11.	2.2	7
149	Poststroke Grasp Ability Assessment Using an Intelligent Data Glove Based on Action Research Arm Test: Development, Algorithms, and Experiments. IEEE Transactions on Biomedical Engineering, 2022, 69, 945-954.	2.5	15
150	Finger Exoskeleton for Early Acute Post Stroke Rehabilitation: Control Design and Performance Analysis. IFMBE Proceedings, 2021, , 141-150.	0.2	1
151	Assessment of Upper-Extremity Joint Angles Using Harmony Exoskeleton. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 916-925.	2.7	15
152	Measuring Activities of Daily Living in Stroke Patients with Motion Machine Learning Algorithms: A Pilot Study. International Journal of Environmental Research and Public Health, 2021, 18, 1634.	1.2	23
153	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.	1.0	1
154	Design and validation of a smart garment to measure positioning practices of parents with young infants. , 2021, 62, 101530.		9
155	Additional Effects of Xbox Kinect Training on Upper Limb Function in Chronic Stroke Patients: A Randomized Control Trial. Healthcare (Switzerland), 2021, 9, 242.	1.0	12
156	Exploring the predictive value of lesion topology on motor function outcomes in a porcine ischemic stroke model. Scientific Reports, 2021, 11, 3814.	1.6	7
157	Factors related to daily use of the paretic upper limb in patients with chronic hemiparetic strokeâ€”A retrospective cross-sectional study. PLoS ONE, 2021, 16, e0247998.	1.1	6
158	The Utility of Domain-Specific End Points in Acute Stroke Trials. Stroke, 2021, 52, 1154-1161.	1.0	13
160	Validity, reliability, and sensitivity to motor impairment severity of a multi-touch app designed to assess hand mobility, coordination, and function after stroke. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 70.	2.4	11
161	Association Between Finger-to-Nose Kinematics and Upper Extremity Motor Function in Subacute Stroke: A Principal Component Analysis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 660015.	2.0	6
162	Effect of Weight Shift Exercises on Leg Global Synkinesis and Gait in Patients with Stroke. Journal of the Korean Society of Physical Medicine, 2021, 16, 63-70.	0.1	1
163	Design of Portable Exoskeleton Forearm for Rehabilitation of Monoparesis Patients Using Tendon Flexion Sensing Mechanism for Health Care Applications. Electronics (Switzerland), 2021, 10, 1279.	1.8	6
165	The role of goal adjustment during rehabilitation from stroke. Applied Psychology: Health and Well-Being, 2022, 14, 26-43.	1.6	3
166	Hybrid Workflow Process for Home Based Rehabilitation Movement Capture. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
167	Bilateral Arm Training vs Unilateral Arm Training for Severely Affected Patients With Stroke: Comments on Exploratory Single-Blinded Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1236.	0.5	1
168	Compensatory Trunk Movements in Naturalistic Reaching and Manipulation Tasks in Chronic Stroke Survivors. Journal of Applied Biomechanics, 2021, 37, 215-223.	0.3	6
169	Decision-making aids for upper limb interventions in neurological rehabilitation: a scoping review. Disability and Rehabilitation, 2021, , 1-19.	0.9	1
170	Clinical value of assessing motor performance in postacute stroke patients. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 102.	2.4	6
172	Manual Dexterity Is Associated With Use of the Paretic Upper Extremity in Community-Dwelling Individuals With Stroke. Journal of Neurologic Physical Therapy, 2021, 45, 292-300.	0.7	1
173	Reliable and valid robot-assisted assessments of hand proprioceptive, motor and sensorimotor impairments after stroke. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 115.	2.4	18
174	Longer length of post-acute care stay causes greater functional improvements in poststroke patients. Medicine (United States), 2021, 100, e26564.	0.4	10
175	The use of wearable sensors to assess and treat the upper extremity after stroke: a scoping review. Disability and Rehabilitation, 2022, 44, 6119-6138.	0.9	23
176	Automated Movement Assessment in Stroke Rehabilitation. Frontiers in Neurology, 2021, 12, 720650.	1.1	4
177	Kinematic Evaluation via Inertial Measurement Unit Associated with Upper Extremity Motor Function in Subacute Stroke: A Cross-Sectional Study. Journal of Healthcare Engineering, 2021, 2021, 1-7.	1.1	9
178	Quantifying upper limb motor impairment in chronic stroke: a physiological profiling approach. Journal of Applied Physiology, 2021, 131, 949-965.	1.2	14
179	The road forward for upper-extremity rehabilitation robotics. Current Opinion in Biomedical Engineering, 2021, 19, 100291.	1.8	9
180	Upper Limb Performance in Daily Life Approaches Plateau Around Three to Six Weeks Post-stroke. Neurorehabilitation and Neural Repair, 2021, 35, 903-914.	1.4	27
181	Electromyography Recordings Detect Muscle Activity Before Observable Contractions in Acute Stroke Care. Archives of Rehabilitation Research and Clinical Translation, 2021, 3, 100136.	0.5	4
182	Impact of Somatosensory Training on Neural and Functional Recovery of Lower Extremity in Patients with Chronic Stroke: A Single Blind Controlled Randomized Trial. International Journal of Environmental Research and Public Health, 2021, 18, 583.	1.2	2
183	Machine Learning in Robot-Assisted Upper Limb Rehabilitation: A Focused Review. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 2053-2063.	2.6	23
184	Stroke Rehabilitation. , 2018, , 279-292.		1
187	An Accelerometry-Based Methodology for Assessment of Real-World Bilateral Upper Extremity Activity. PLoS ONE, 2014, 9, e103135.	1.1	111

#	ARTICLE	IF	CITATIONS
188	Trajectory formation principles are the same after mild or moderate stroke. PLoS ONE, 2017, 12, e0173674.	1.1	19
189	Sedentary Behavior in People with and without a Chronic Health Condition: How Much, What and When?. AIMS Public Health, 2016, 3, 503-519.	1.1	12
190	Eclectic/mixed model method for upper extremity functional recovery in stroke rehabilitation: A pilot study. Journal of Natural Science, Biology and Medicine, 2017, 8, 75.	1.0	6
191	Feasibility of High-Repetition, Task-Specific Training for Individuals With Upper-Extremity Paresis. American Journal of Occupational Therapy, 2014, 68, 444-453.	0.1	95
192	Changes in Upper-Extremity Functional Capacity and Daily Performance During Outpatient Occupational Therapy for People With Stroke. American Journal of Occupational Therapy, 2016, 70, 7003290040p1-7003290040p11.	0.1	59
193	Relationship Between Grip and Pinch Strength and Activities of Daily Living in Stroke Patients. Annals of Rehabilitation Medicine, 2015, 39, 752.	0.6	37
194	Design of Upper Limb Rehabilitation Training System Combining BCI and AR Technology. , 2021, , .		1
195	Evaluaci3n de la funcionalidad del miembro superior en personas adultas con da±o cerebral adquirido realizada por los/as profesionales de la terapia ocupacional en Espa±a, estudio transversal. Journal of MOVE and Therapeutic Science, 2021, 3, .	0.1	1
196	Remote, Unsupervised Functional Motor Task Evaluation in Older Adults across the United States Using the MindCrowd Electronic Cohort. Developmental Neuropsychology, 2021, 46, 435-446.	1.0	6
197	Análises de desfechos clínicos centrados no paciente após Acidente Vascular Cerebral. Revista Neurociências, 2015, 23, 5-6.	0.0	0
198	Comparison of Fine Motor Skills in Patients With Chronic Stroke in Final Stages of Bronestrum and Healthy Adults. Middle East Journal of Rehabilitation and Health Studies, 2015, 2, .	0.1	2
199	The Effect of Rhythmic Neurodynamic on the Upper Extremity Nerve Conduction Velocity and the Function for Stroke Patients. The Journal of Korean Physical Therapy, 2017, 29, 169-174.	0.1	2
201	Do depressive symptoms influence cognitive-motor coupling in multiple sclerosis?. Rehabilitation Psychology, 2018, 63, 111-120.	0.7	1
202	The Consistency and Construct Validity of Wolf Motor Function Test With Functional Variables and SF-36 Questionnaire in Iranian Stroke Patients. Caspian Journal of Neurological Sciences, 2018, 4, 49-56.	0.1	0
203	Work with me, not for me: Relationship between robotic assistance and performance in subacute and chronic stroke patients. Journal of Rehabilitation and Assistive Technologies Engineering, 2019, 6, 205566831988158.	0.6	1
204	The Role of Occupational Therapy in Neurorehabilitation. , 2019, , 135-161.		2
208	Intergame Analysis of Upper Limb Biomechanics of Stroke Patients in Real and Virtual Environment. IFMBE Proceedings, 2020, , 610-617.	0.2	1
210	Adaptaç3o transcultural do Stroke Upper Limb Capacity Scale (SULCS): um instrumento de avaliaç3o da capacidade manual em indivíduos com hemiparesia. Acta Fisi3trica, 2019, 26, 192-198.	0.0	1

#	ARTICLE	IF	CITATIONS
211	Relationship of hand strength with paretic upper extremity function and activities of daily living performance in patients with subacute stroke. <i>Physiotherapy Practice and Research</i> , 2020, 41, 69-77.	0.1	0
212	Comparing Home Upper Extremity Activity With Clinical Evaluations of Arm Function in Chronic Stroke. <i>Archives of Rehabilitation Research and Clinical Translation</i> , 2020, 2, 100048.	0.5	8
213	Statistical Analysis of Subject-Specific EEG data during Stroke Rehabilitation Monitoring. , 2020, , .		1
214	Elektronik Dokuz-Delik Āzubuk Testi. <i>European Journal of Science and Technology</i> , 0, , 38-42.	0.5	1
215	Kinect-based Virtual Rehabilitation for Upper Extremity Motor Recovery in Chronic Stroke. , 2020, , .		2
216	European evidence-based recommendations for clinical assessment of upper limb in neurorehabilitation (CAULIN): data synthesis from systematic reviews, clinical practice guidelines and expert consensus. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 162.	2.4	22
217	Inter-rater reliability of physiotherapists using the Action Research Arm Test in chronic stroke. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2020, 20, 480-487.	0.1	2
218	Wavelet and Region-Specific EEG Signal Analysis for Studying Post-Stroke Rehabilitation. , 2021, 2021, 6251-6254.		0
219	Robotic Device for Out-of-Clinic Post-Stroke Hand Rehabilitation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1092.	1.3	9
220	The minimal clinically important difference of the motricity index score. <i>Topics in Stroke Rehabilitation</i> , 2022, , 1-6.	1.0	0
221	Motor Ability Evaluation of the Upper Extremity with Point-To-Point Training Movement Based on End-Effector Robot-Assisted Training System. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-13.	1.1	2
222	Prevalence of post-stroke upper extremity paresis in developing countries and significance of m-Health for rehabilitation after stroke - A review. <i>Smart Health</i> , 2022, 23, 100264.	2.0	5
223	Myoelectric Arm Orthosis in Motor Learning-Based Therapy for Chronic Deficits After Stroke and Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2022, 13, 791144.	1.1	3
224	Investigating the Precise Localization of the Grasping Action in the Mid-Cingulate Cortex and Future Directions. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 815749.	1.0	1
225	Customized Manual Muscle Testing for Post-Stroke Upper Extremity Assessment. <i>Brain Sciences</i> , 2022, 12, 457.	1.1	5
226	A novel tablet-based application for assessment of manual dexterity and its components: a reliability and validity study in healthy subjects. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2022, 19, 35.	2.4	4
227	Capturing Upper Body Kinematics and Localization with Low-Cost Sensors for Rehabilitation Applications. <i>Sensors</i> , 2022, 22, 2300.	2.1	8
228	Machine Learning role in clinical decision-making: Neuro-rehabilitation video game. <i>Expert Systems With Applications</i> , 2022, 201, 117165.	4.4	12

#	ARTICLE	IF	CITATIONS
229	Instrumented Activity Dice for Assessing Throwing Performance: A Pilot Study. , 2021, , .		0
233	Upper extremity self-efficacy correlates with daily hand-use of individuals with high functional capacity post-stroke. Disability and Rehabilitation, 2023, 45, 2301-2306.	0.9	5
234	Validity of trunk acceleration measurement with a chest-worn monitor for assessment of physical activity intensity. BMC Sports Science, Medicine and Rehabilitation, 2022, 14, .	0.7	5
235	Suitability of accelerometry as an objective measure for upper extremity use in stroke patients. BMC Neurology, 2022, 22, .	0.8	4
236	Measurement properties of the Brazilian version of the Stroke Upper Limb Capacity Scale (SULCS-<i>Brazil</i>). Topics in Stroke Rehabilitation, 2023, 30, 610-619.	1.0	0
237	Regional cerebral blood perfusion changes in chronic stroke survivors as potential brain correlates of the functional outcome following gamified home-based rehabilitation (IntelliRehab)â€™a pilot study. Journal of NeuroEngineering and Rehabilitation, 2022, 19, .	2.4	0
239	Distinctive physiological muscle synergy patterns define the Box and Block Task execution as revealed by electromyographic features. , 2022, , .		1
240	A unified scheme for the benchmarking of upper limb functions in neurological disorders. Journal of NeuroEngineering and Rehabilitation, 2022, 19, .	2.4	7
241	A Feasibility Study of Bilateral Wrist Sensors for Measuring Motor Traits in Children With Autism. Perceptual and Motor Skills, 2022, 129, 1709-1735.	0.6	4
242	Toward individualized medicine in strokeâ€™The TiMeS project: Protocol of longitudinal, multi-modal, multi-domain study in stroke. Frontiers in Neurology, 0, 13, .	1.1	5
243	Development and Rasch Validation of an Observational Assessment Tool of Upper Limb Functional Impairment in Stroke Survivors: Functional Assessment Test for Upper Limb. Archives of Physical Medicine and Rehabilitation, 2023, 104, 597-604.	0.5	2
244	Body Schema as Assessed by Upper Limb Left/Right Judgment Tasks Is Altered in Stroke: Implications for Motor Imagery Training. Journal of Neurologic Physical Therapy, 2023, 47, 26-34.	0.7	1
245	Recombinant Human Perlecan DV and Its LG3 Subdomain Are Neuroprotective and Acutely Functionally Restorative in Severe Experimental Ischemic Stroke. Translational Stroke Research, 2023, 14, 941-954.	2.3	3
247	Protocol for a remote home-based upper extremity self-training program for community-dwelling individuals after stroke. Contemporary Clinical Trials Communications, 2023, 33, 101112.	0.5	1
248	Bilateral Transfer of Performance between Real and Non-Immersive Virtual Environments in Post-Stroke Individuals: A Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2023, 20, 3301.	1.2	2
249	Effects of Upper Limb Robot-Assisted Rehabilitation Compared with Conventional Therapy in Patients with Stroke: Preliminary Results on a Daily Task Assessed Using Motion Analysis. Sensors, 2023, 23, 3089.	2.1	4
250	Ring-shaped wearable device for logging finger usage in daily life. , 2022, , .		1
251	Upper limb assessment with inertial measurement units according to the international classification of functioning in stroke: a systematic review and correlation meta-analysis. Topics in Stroke Rehabilitation, 2024, 31, 66-85.	1.0	4

#	ARTICLE	IF	CITATIONS
274	The Use of Kinematic Features in Evaluating Upper Limb Motor Function Learning Progress Based on Machine Learning. , 2023, , .		0
282	Functional Arm Movement Classification in Stroke Survivors Using Deep Learning with Accelerometry Data. , 2023, , .		0