

# Corina Schuster-Amft

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,044  
citations

393982

19  
h-index

253896

43  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional, task-specific robot therapy of the arm after stroke: a multicentre, parallel-group randomised trial. <i>Lancet Neurology</i> , The, 2014, 13, 159-166.	4.9	473
2	Best practice for motor imagery: a systematic literature review on motor imagery training elements in five different disciplines. <i>BMC Medicine</i> , 2011, 9, 75.	2.3	300
3	Efficacy of motor imagery in post-stroke rehabilitation: a systematic review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2008, 5, 8.	2.4	234
4	Interactive visuo-motor therapy system for stroke rehabilitation. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 901-907.	1.6	100
5	Motor Training of Upper Extremity With Functional Electrical Stimulation in Early Stroke Rehabilitation. <i>Neurorehabilitation and Neural Repair</i> , 2009, 23, 184-190.	1.4	67
6	Sensing Muscle Activities with Body-Worn Sensors. , 0, , .		60
7	Effects of proprioceptive exercises on pain and function in chronic neck- and low back pain rehabilitation: a systematic literature review. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 382.	0.8	60
8	Effect of a four-week virtual reality-based training versus conventional therapy on upper limb motor function after stroke: A multicenter parallel group randomized trial. <i>PLoS ONE</i> , 2018, 13, e0204455.	1.1	47
9	A Distinct Pattern of Myofascial Findings in Patients After Whiplash Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1290-1293.	0.5	46
10	Comparison of embedded and added motor imagery training in patients after stroke: results of a randomised controlled pilot trial. <i>Trials</i> , 2012, 13, 11.	0.7	40
11	Dexamphetamine Improves Upper Extremity Outcome During Rehabilitation After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 749-755.	1.4	35
12	Objectively-assessed outcome measures: a translation and cross-cultural adaptation procedure applied to the Chedoke McMaster Arm and Hand Activity Inventory (CAHAI). <i>BMC Medical Research Methodology</i> , 2010, 10, 106.	1.4	34
13	Trunk sway in patients with and without, mild traumatic brain injury after whiplash injury. <i>Gait and Posture</i> , 2011, 34, 473-478.	0.6	30
14	Intensive virtual reality-based training for upper limb motor function in chronic stroke: a feasibility study using a single case experimental design and fMRI. <i>Disability and Rehabilitation: Assistive Technology</i> , 2015, 10, 385-392.	1.3	30
15	Effect of brain-computer interface training based on non-invasive electroencephalography using motor imagery on functional recovery after stroke - a systematic review and meta-analysis. <i>BMC Neurology</i> , 2020, 20, 385.	0.8	30
16	Therapistsâ€™ Perspective on Virtual Reality Training in Patients after Stroke: A Qualitative Study Reporting Focus Group Results from Three Hospitals. <i>Stroke Research and Treatment</i> , 2016, 2016, 1-12.	0.5	26
17	A standardized motor imagery introduction program (MIIP) for neuro-rehabilitation: development and evaluation. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 477.	1.0	25
18	Two assessments to evaluate imagery ability: translation, test-retest reliability and concurrent validity of the German KVIQ and Imaprax. <i>BMC Medical Research Methodology</i> , 2012, 12, 127.	1.4	23

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19	Effect of Motor Imagery Training on Motor Learning in Children and Adolescents: A Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9467.	1.2	23
20	Efficacy of Feedback-Controlled Robotics-Assisted Treadmill Exercise to Improve Cardiovascular Fitness Early After Stroke. <i>Journal of Neurologic Physical Therapy</i> , 2015, 39, 156-165.	0.7	22
21	Evaluation of robot-assisted gait training using integrated biofeedback in neurologic disorders. <i>Gait and Posture</i> , 2012, 35, 595-600.	0.6	21
22	Using mixed methods to evaluate efficacy and user expectations of a virtual reality-based training system for upper-limb recovery in patients after stroke: a study protocol for a randomised controlled trial. <i>Trials</i> , 2014, 15, 350.	0.7	19
23	Postural sensorimotor training versus sham exercise in physiotherapy of patients with chronic non-specific low back pain: An exploratory randomised controlled trial. <i>PLoS ONE</i> , 2018, 13, e0193358.	1.1	19
24	New Technologies and Concepts for Rehabilitation in the Acute Phase of Stroke: A Collaborative Matrix. <i>Neurodegenerative Diseases</i> , 2007, 4, 57-69.	0.8	16
25	Daily Life Activity Routine Discovery in Hemiparetic Rehabilitation Patients Using Topic Models. <i>Methods of Information in Medicine</i> , 2015, 54, 248-255.	0.7	16
26	Feedback-controlled robotics-assisted treadmill exercise to assess and influence aerobic capacity early after stroke: a proof-of-concept study. <i>Disability and Rehabilitation: Assistive Technology</i> , 2014, 9, 271-278.	1.3	14
27	Imagery ability assessments: a cross-disciplinary systematic review and quality evaluation of psychometric properties. <i>BMC Medicine</i> , 2022, 20, 166.	2.3	14
28	Motor Imagery Experiences and Use: Asking Patients after Stroke Where, When, What, Why, and How They Use Imagery: A Qualitative Investigation. <i>Stroke Research and Treatment</i> , 2012, 2012, 1-18.	0.5	12
29	Evaluation of exercise capacity after severe stroke using robotics-assisted treadmill exercise: A proof-of-concept study. <i>Technology and Health Care</i> , 2013, 21, 157-166.	0.5	12
30	Muscle Activation During Grasping With and Without Motor Imagery in Healthy Volunteers and Patients After Stroke or With Parkinson's Disease. <i>Frontiers in Psychology</i> , 2018, 9, 597.	1.1	12
31	EMG Muscle Activation Pattern of Four Lower Extremity Muscles during Stair Climbing, Motor Imagery, and Robot-Assisted Stepping: A Cross-Sectional Study in Healthy Individuals. <i>BioMed Research International</i> , 2019, 2019, 1-8.	0.9	12
32	Effects of acupuncture and computer-assisted cognitive training for post-stroke attention deficits: study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 546.	0.7	11
33	Wearable motion sensors and digital biomarkers in stroke rehabilitation. <i>Current Directions in Biomedical Engineering</i> , 2020, 6, 229-232.	0.2	11
34	Comparison of embedded and added motor imagery training in patients after stroke: study protocol of a randomised controlled pilot trial using a mixed methods approach. <i>Trials</i> , 2009, 10, 97.	0.7	10
35	Effects of postural specific sensorimotor training in patients with chronic low back pain: study protocol for randomised controlled trial. <i>Trials</i> , 2015, 16, 571.	0.7	10
36	Cardiopulmonary exercise testing early after stroke using feedback-controlled robotics-assisted treadmill exercise: test-retest reliability and repeatability. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 145.	2.4	9

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37	Feasibility of cardiopulmonary exercise testing and training using a robotics-assisted tilt table in dependent-ambulatory stroke patients. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 88.	2.4	9
38	Longitudinal Walking Analysis in Hemiparetic Patients Using Wearable Motion Sensors: Is There Convergence Between Body Sides?. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 57.	2.0	9
39	Experience of an upper limb training program with a non-immersive virtual reality system in patients after stroke: a qualitative study. <i>Physiotherapy</i> , 2020, 107, 317-326.	0.2	9
40	Test-retest reliability and four-week changes in cardiopulmonary fitness in stroke patients: evaluation using a robotics-assisted tilt table. <i>BMC Neurology</i> , 2016, 16, 163.	0.8	8
41	Physical Activity Comparison Between Body Sides in Hemiparetic Patients Using Wearable Motion Sensors in Free-Living and Therapy: A Case Series. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 136.	2.0	7
42	Using an interactive virtual environment to integrate a digital Action Research Arm Test, motor imagery and action observation to assess and improve upper limb motor function in patients with neuromuscular impairments: a usability and feasibility study protocol. <i>BMJ Open</i> , 2018, 8, e019646.	0.8	7
43	German translation, cross-cultural adaptation and validation of the whiplash disability questionnaire. <i>Health and Quality of Life Outcomes</i> , 2013, 11, 45.	1.0	6
44	Estimating physical ability of stroke patients without specific tests. , 2015, , .		6
45	Motor imagery ability assessments in four disciplines: protocol for a systematic review. <i>BMJ Open</i> , 2018, 8, e023439.	0.8	6
46	A different point of view: the evaluation of motor imagery perspectives in patients with sensorimotor impairments in a longitudinal study. <i>BMC Neurology</i> , 2021, 21, 297.	0.8	6
47	German version of the whiplash disability questionnaire: reproducibility and responsiveness. <i>Health and Quality of Life Outcomes</i> , 2013, 11, 36.	1.0	5
48	Cardiovascular rehabilitation soon after stroke using feedback-controlled robotics-assisted treadmill exercise: study protocol of a randomised controlled pilot trial. <i>Trials</i> , 2013, 14, 304.	0.7	5
49	German version, inter- and intrarater reliability and internal consistency of the "Agitated Behavior Scale" (ABS-G) in patients with moderate to severe traumatic brain injury. <i>Health and Quality of Life Outcomes</i> , 2016, 14, 106.	1.0	5
50	Dynamic multi-segmental postural control in patients with chronic non-specific low back pain compared to pain-free controls: A cross-sectional study. <i>PLoS ONE</i> , 2018, 13, e0194512.	1.1	5
51	Efficacy of inpatient personalized multidisciplinary rehabilitation in multiple sclerosis: behavioural and functional imaging results. <i>Journal of Neurology</i> , 2020, 267, 1744-1753.	1.8	5
52	Activity Routine Discovery in Stroke Rehabilitation Patients without Data Annotation. , 2014, , .		5
53	Short-time weight-bearing capacity assessment for non-ambulatory patients with subacute stroke: reliability and discriminative power. <i>BMC Research Notes</i> , 2015, 8, 723.	0.6	4
54	Comparison of proprioceptive acuity of the cervical spine in healthy adults and adults with chronic non-specific low back pain: A cross-sectional study. <i>PLoS ONE</i> , 2019, 14, e0209818.	1.1	3

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55	Effects of proprioceptive exercises on pain and function in chronic neck- and low back pain rehabilitation: a systematic literature review. <i>Physiotherapy</i> , 2015, 101, e969-e970.	0.2	2
56	Immediate effects of different upper limb robot-assisted training modes in patients after stroke: A case series. <i>Cogent Medicine</i> , 2016, 3, 1240282.	0.7	2
57	German version of the Chedoke McMaster arm and hand activity inventory (CAHAI-G): intra-rater reliability and responsiveness. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 247.	1.0	2
58	Intervention Platform for Action Observation and Motor Imagery Training After Stroke: Usability Test. <i>Studies in Health Technology and Informatics</i> , 2022, 292, 71-74.	0.2	2
59	A metric for upper extremity functional range of motion analysis in long-term stroke recovery using wearable motion sensors and posture cubics. , 2018, , .		1
60	Activity Patterns in Stroke Patients - Is There a Trend in Behaviour During Rehabilitation?. Lecture Notes in Computer Science, 2015, , 146-159.	1.0	1
61	MoVo-LISA â€” /INS;implementing a short movement coaching programme to establish a physical active life style: A feasibility study. <i>Journal of the Neurological Sciences</i> , 2013, 333, e556.	0.3	0
62	Task specific, robot-assisted training in patients with impaired upper limb motor functionsâ€™/INS;A clinical investigation. <i>Journal of the Neurological Sciences</i> , 2013, 333, e554.	0.3	0
63	Immediate effects of arm robot-assisted therapy in patients after stroke. <i>Physiotherapy</i> , 2015, 101, e1354-e1355.	0.2	0
64	Muscle activity during a grasping task with and without motor imagery. <i>Physiotherapy</i> , 2015, 101, e1355.	0.2	0
65	Influence of combined action observation and motor imagery of walking on lower limb reflex modulation in patients after strokeâ€™“preliminary results. <i>BMC Research Notes</i> , 2022, 15, 166.	0.6	0