

# Corina Schuster-Amft

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,044  
citations

394421

19  
h-index

254184

43  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2644  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Imagery ability assessments: a cross-disciplinary systematic review and quality evaluation of psychometric properties. <i>BMC Medicine</i> , 2022, 20, 166.  | 5.5 | 14        |
| 2  | Influence of combined action observation and motor imagery of walking on lower limb reflex modulation in patients after stroke—preliminary results. <i>BMC Research Notes</i> , 2022, 15, 166.   | 1.4 | 0         |
| 3  | 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.  | 0.3 | 2         |
| 4  | 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.   | 1.8 | 6         |
| 5  | 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.  | 2.6 | 23        |
| 6  | 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.   | 0.4 | 9         |
| 7  | 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.  | 2.4 | 2         |
| 8  | 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.  | 1.8 | 30        |
| 9  | Efficacy of inpatient personalized multidisciplinary rehabilitation in multiple sclerosis: behavioural and functional imaging results. <i>Journal of Neurology</i> , 2020, 267, 1744-1753.   | 3.6 | 5         |
| 10 | Wearable motion sensors and digital biomarkers in stroke rehabilitation. <i>Current Directions in Biomedical Engineering</i> , 2020, 6, 229-232.   | 0.4 | 11        |
| 11 | 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.   | 2.5 | 3         |
| 12 | 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.   | 1.9 | 12        |
| 13 | 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.  | 4.1 | 7         |
| 14 | Motor imagery ability assessments in four disciplines: protocol for a systematic review. <i>BMJ Open</i> , 2018, 8, e023439.   | 1.9 | 6         |
| 15 | 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.   | 2.5 | 47        |
| 16 | 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.   | 2.1 | 12        |
| 17 | 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. | 1.9 | 7         |
| 18 | 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.   | 4.1 | 9         |

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|----|---|-----|-----------|
| 19 | A metric for upper extremity functional range of motion analysis in long-term stroke recovery using wearable motion sensors and posture cubics. , 2018, , .   |     | 1         |
| 20 | Dynamic multi-segmental postural control in patients with chronic non-specific low back pain compared to pain-free controls: A cross-sectional study. PLoS ONE, 2018, 13, e0194512.   | 2.5 | 5         |
| 21 | Postural sensorimotor training versus sham exercise in physiotherapy of patients with chronic non-specific low back pain: An exploratory randomised controlled trial. PLoS ONE, 2018, 13, e0193358.                                     | 2.5 | 19        |
| 22 | Therapistsâ€™ Perspective on Virtual Reality Training in Patients after Stroke: A Qualitative Study Reporting Focus Group Results from Three Hospitals. Stroke Research and Treatment, 2016, 2016, 1-12.                                | 0.8 | 26        |
| 23 | German version, inter- and intrarater reliability and internal consistency of the â€œAgitated Behavior Scaleâ€•(ABS-G) in patients with moderate to severe traumatic brain injury. Health and Quality of Life Outcomes, 2016, 14, 106.  | 2.4 | 5         |
| 24 | Test-retest reliability and four-week changes in cardiopulmonary fitness in stroke patients: evaluation using a robotics-assisted tilt table. BMC Neurology, 2016, 16, 163.   | 1.8 | 8         |
| 25 | Immediate effects of different upper limb robot-assisted training modes in patients after stroke: A case series. Cogent Medicine, 2016, 3, 1240282.   | 0.7 | 2         |
| 26 | Estimating physical ability of stroke patients without specific tests. , 2015, , .  |     | 6         |
| 27 | Effects of postural specific sensorimotor training in patients with chronic low back pain: study protocol for randomised controlled trial. Trials, 2015, 16, 571.   | 1.6 | 10        |
| 28 | Short-time weight-bearing capacity assessment for non-ambulatory patients with subacute stroke: reliability and discriminative power. BMC Research Notes, 2015, 8, 723.   | 1.4 | 4         |
| 29 | Efficacy of Feedback-Controlled Robotics-Assisted Treadmill Exercise to Improve Cardiovascular Fitness Early After Stroke. Journal of Neurologic Physical Therapy, 2015, 39, 156-165.   | 1.4 | 22        |
| 30 | Daily Life Activity Routine Discovery in Hemiparetic Rehabilitation Patients Using Topic Models. Methods of Information in Medicine, 2015, 54, 248-255.   | 1.2 | 16        |
| 31 | Effects of acupuncture and computer-assisted cognitive training for post-stroke attention deficits: study protocol for a randomized controlled trial. Trials, 2015, 16, 546.  | 1.6 | 11        |
| 32 | Intensive virtual reality-based training for upper limb motor function in chronic stroke: a feasibility study using a single case experimental design and fMRI. Disability and Rehabilitation: Assistive Technology, 2015, 10, 385-392. | 2.2 | 30        |
| 33 | Immediate effects of arm robot-assisted therapy in patients after stroke. Physiotherapy, 2015, 101, e1354-e1355.  | 0.4 | 0         |
| 34 | Muscle activity during a grasping task with and without motor imagery. Physiotherapy, 2015, 101, e1355.   | 0.4 | 0         |
| 35 | Effects of proprioceptive exercises on pain and function in chronic neck- and low back pain rehabilitation: a systematic literature review. Physiotherapy, 2015, 101, e969-e970.  | 0.4 | 2         |
| 36 | Feasibility of cardiopulmonary exercise testing and training using a robotics-assisted tilt table in dependent-ambulatory stroke patients. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 88.                                | 4.6 | 9         |

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|----|--|------|-----------|
| 37 | Activity Patterns in Stroke Patients - Is There a Trend in Behaviour During Rehabilitation?. Lecture Notes in Computer Science, 2015, , 146-159.   | 1.3  | 1         |
| 38 | Feedback-controlled robotics-assisted treadmill exercise to assess and influence aerobic capacity early after stroke: a proof-of-concept study. Disability and Rehabilitation: Assistive Technology, 2014, 9, 271-278.                 | 2.2  | 14        |
| 39 | Effects of proprioceptive exercises on pain and function in chronic neck- and low back pain rehabilitation: a systematic literature review. BMC Musculoskeletal Disorders, 2014, 15, 382.  | 1.9  | 60        |
| 40 | Cardiopulmonary exercise testing early after stroke using feedback-controlled robotics-assisted treadmill exercise: test-retest reliability and repeatability. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 145.          | 4.6  | 9         |
| 41 | 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. Trials, 2014, 15, 350. | 1.6  | 19        |
| 42 | Three-dimensional, task-specific robot therapy of the arm after stroke: a multicentre, parallel-group randomised trial. Lancet Neurology, The, 2014, 13, 159-166.  | 10.2 | 473       |
| 43 | Activity Routine Discovery in Stroke Rehabilitation Patients without Data Annotation. , 2014, , .  |      | 5         |
| 44 | German translation, cross-cultural adaptation and validation of the whiplash disability questionnaire. Health and Quality of Life Outcomes, 2013, 11, 45.  | 2.4  | 6         |
| 45 | German version of the whiplash disability questionnaire: reproducibility and responsiveness. Health and Quality of Life Outcomes, 2013, 11, 36.  | 2.4  | 5         |
| 46 | Cardiovascular rehabilitation soon after stroke using feedback-controlled robotics-assisted treadmill exercise: study protocol of a randomised controlled pilot trial. Trials, 2013, 14, 304.  | 1.6  | 5         |
| 47 | MoVo-LISA - Implementing a short movement coaching programme to establish a physical active life style: A feasibility study. Journal of the Neurological Sciences, 2013, 333, e556.  | 0.6  | 0         |
| 48 | Task specific, robot-assisted training in patients with impaired upper limb motor functions: A clinical investigation. Journal of the Neurological Sciences, 2013, 333, e554.  | 0.6  | 0         |
| 49 | A standardized motor imagery introduction program (MIIP) for neuro-rehabilitation: development and evaluation. Frontiers in Human Neuroscience, 2013, 7, 477.  | 2.0  | 25        |
| 50 | Evaluation of exercise capacity after severe stroke using robotics-assisted treadmill exercise: A proof-of-concept study. Technology and Health Care, 2013, 21, 157-166.   | 1.2  | 12        |
| 51 | Motor Imagery Experiences and Use: Asking Patients after Stroke Where, When, What, Why, and How They Use Imagery: A Qualitative Investigation. Stroke Research and Treatment, 2012, 2012, 1-18.  | 0.8  | 12        |
| 52 | Evaluation of robot-assisted gait training using integrated biofeedback in neurologic disorders. Gait and Posture, 2012, 35, 595-600.  | 1.4  | 21        |
| 53 | Two assessments to evaluate imagery ability: translation, test-retest reliability and concurrent validity of the German KVIQ and Imaprax. BMC Medical Research Methodology, 2012, 12, 127.   | 3.1  | 23        |
| 54 | Comparison of embedded and added motor imagery training in patients after stroke: results of a randomised controlled pilot trial. Trials, 2012, 13, 11.  | 1.6  | 40        |

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|----|--|-----|-----------|
| 55 | Dexamphetamine Improves Upper Extremity Outcome During Rehabilitation After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 749-755.  | 2.9 | 35        |
| 56 | Trunk sway in patients with and without, mild traumatic brain injury after whiplash injury. <i>Gait and Posture</i> , 2011, 34, 473-478.   | 1.4 | 30        |
| 57 | 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.   | 5.5 | 300       |
| 58 | 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. | 3.1 | 34        |
| 59 | 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.                          | 1.6 | 10        |
| 60 | Motor Training of Upper Extremity With Functional Electrical Stimulation in Early Stroke Rehabilitation. <i>Neurorehabilitation and Neural Repair</i> , 2009, 23, 184-190.   | 2.9 | 67        |
| 61 | Efficacy of motor imagery in post-stroke rehabilitation: a systematic review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2008, 5, 8.  | 4.6 | 234       |
| 62 | A Distinct Pattern of Myofascial Findings in Patients After Whiplash Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1290-1293.  | 0.9 | 46        |
| 63 | New Technologies and Concepts for Rehabilitation in the Acute Phase of Stroke: A Collaborative Matrix. <i>Neurodegenerative Diseases</i> , 2007, 4, 57-69.   | 1.4 | 16        |
| 64 | Interactive visuo-motor therapy system for stroke rehabilitation. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 901-907.   | 2.8 | 100       |
| 65 | Sensing Muscle Activities with Body-Worn Sensors. , 0, , .   |     | 60        |