

Charlotte Hger

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

1,253
citations

17
h-index

33
g-index

83
ext. papers

1,496
ext. citations

3.1
avg, IF

4.85
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 79 | Somatosensory control of precision grip during unpredictable pulling loads. I. Changes in load force amplitude. <i>Experimental Brain Research</i> , 1992 , 89, 181-91 | 2.3 | 163 |
| 78 | Somatosensory control of precision grip during unpredictable pulling loads. III. Impairments during digital anesthesia. <i>Experimental Brain Research</i> , 1992 , 89, 204-13 | 2.3 | 163 |
| 77 | Somatosensory control of precision grip during unpredictable pulling loads. II. Changes in load force rate. <i>Experimental Brain Research</i> , 1992 , 89, 192-203 | 2.3 | 133 |
| 76 | Using motion interactive games to promote physical activity and enhance motor performance in children with cerebral palsy. <i>Developmental Neurorehabilitation</i> , 2011 , 14, 15-21 | 1.8 | 79 |
| 75 | Kinematic analysis of the upper extremity after stroke [how far have we reached and what have we grasped?]. <i>Physical Therapy Reviews</i> , 2015 , 20, 137-155 | 0.7 | 60 |
| 74 | Anterior cruciate ligament injury after more than 20 years. II. Concentric and eccentric knee muscle strength. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, e501-509 | 4.6 | 51 |
| 73 | Anterior cruciate ligament injury after more than 20 years: I. Physical activity level and knee function. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014 , 24, e491-500 | 4.6 | 50 |
| 72 | Motion interactive video games in home training for children with cerebral palsy: parents' perceptions. <i>Disability and Rehabilitation</i> , 2012 , 34, 925-33 | 2.4 | 32 |
| 71 | Deficits in functional performance and gait one year after total knee arthroplasty despite improved self-reported function. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017 , 25, 3378-3386 | 5.5 | 29 |
| 70 | One-leg hop kinematics 20 years following anterior cruciate ligament rupture: Data revisited using functional data analysis. <i>Clinical Biomechanics</i> , 2015 , 30, 1153-61 | 2.2 | 24 |
| 69 | Anterior cruciate ligament injury about 20 years post-treatment: A kinematic analysis of one-leg hop. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, 818-27 | 4.6 | 23 |
| 68 | ACL-reconstructed and ACL-deficient individuals show differentiated trunk, hip, and knee kinematics during vertical hops more than 20 years post-injury. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018 , 26, 358-367 | 5.5 | 23 |
| 67 | Curve analyses reveal altered knee, hip, and trunk kinematics during drop-jumps long after anterior cruciate ligament rupture. <i>Knee</i> , 2018 , 25, 226-239 | 2.6 | 22 |
| 66 | Effects of neck coordination exercise on sensorimotor function in chronic neck pain: a randomized controlled trial. <i>Journal of Rehabilitation Medicine</i> , 2014 , 46, 908-14 | 3.4 | 22 |
| 65 | Training of goal directed arm movements with motion interactive video games in children with cerebral palsy - a kinematic evaluation. <i>Developmental Neurorehabilitation</i> , 2014 , 17, 318-26 | 1.8 | 21 |
| 64 | A modified standardized nine hole peg test for valid and reliable kinematic assessment of dexterity post-stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019 , 16, 8 | 5.3 | 21 |
| 63 | The added value of kinematic evaluation of the timed finger-to-nose test in persons post-stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017 , 14, 11 | 5.3 | 18 |

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| 62 | Measurement properties of the Motor Evaluation Scale for Upper Extremity in Stroke patients (MESUPES). <i>Disability and Rehabilitation</i> , 2012 , 34, 288-94 | 2.4 | 17 |
| 61 | Dynamic knee stability estimated by finite helical axis methods during functional performance approximately twenty years after anterior cruciate ligament injury. <i>Journal of Biomechanics</i> , 2015 , 48, 1906-14 | 2.9 | 16 |
| 60 | Synchronized metronome training induces changes in the kinematic properties of the golf swing. <i>Sports Biomechanics</i> , 2014 , 13, 1-16 | 2.2 | 15 |
| 59 | Functional polymorphisms within the inflammatory pathway regulate expression of extracellular matrix components in a genetic risk dependent model for anterior cruciate ligament injuries. <i>Journal of Science and Medicine in Sport</i> , 2019 , 22, 1219-1225 | 4.4 | 14 |
| 58 | Nonparametric inference for functional-on-scalar linear models applied to knee kinematic hop data after injury of the anterior cruciate ligament. <i>Scandinavian Journal of Statistics</i> , 2018 , 45, 1036-1061 | 0.8 | 13 |
| 57 | The impact of symptomatic knee osteoarthritis on overall gait pattern deviations and its association with performance-based measures and patient-reported outcomes. <i>Knee</i> , 2017 , 24, 536-546 | 2.6 | 12 |
| 56 | Analysis of three-dimensional knee kinematics during stair descent two decades post-ACL rupture - Data revisited using statistical parametric mapping. <i>Journal of Electromyography and Kinesiology</i> , 2017 , 32, 44-50 | 2.5 | 12 |
| 55 | Movement analysis of sit-to-stand [research informing clinical practice]. <i>Physical Therapy Reviews</i> , 2015 , 20, 156-167 | 0.7 | 12 |
| 54 | Assessment of arm movements during gait in stroke - the Arm Posture Score. <i>Gait and Posture</i> , 2014 , 40, 549-55 | 2.6 | 12 |
| 53 | Effects of tailored neck-shoulder pain treatment based on a decision model guided by clinical assessments and standardized functional tests. A study protocol of a randomized controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2012 , 13, 75 | 2.8 | 12 |
| 52 | Dynamic knee control and movement strategies in athletes and non-athletes in side hops: Implications for knee injury. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019 , 29, 1181-1189 | 4.6 | 11 |
| 51 | Deficits in single-limb stance more than 20 years after ACL injury. <i>European Journal of Physiotherapy</i> , 2013 , 15, 78-85 | 0.5 | 11 |
| 50 | Is tailored treatment superior to non-tailored treatment for pain and disability in women with non-specific neck pain? A randomized controlled trial. <i>BMC Musculoskeletal Disorders</i> , 2016 , 17, 408 | 2.8 | 10 |
| 49 | Risk Factors for Contra-Lateral Secondary Anterior Cruciate Ligament Injury: A Systematic Review with Meta-Analysis. <i>Sports Medicine</i> , 2021 , 51, 1419-1438 | 10.6 | 10 |
| 48 | Increases in human motoneuron excitability after cervical spinal cord injury depend on the level of injury. <i>Journal of Neurophysiology</i> , 2017 , 117, 684-691 | 3.2 | 9 |
| 47 | A novel standardised side hop test reliably evaluates landing mechanics for anterior cruciate ligament reconstructed persons and controls. <i>Sports Biomechanics</i> , 2021 , 20, 213-229 | 2.2 | 9 |
| 46 | The Arm Posture Score for assessing arm swing during gait: an evaluation of adding rotational components and the effect of different gait speeds. <i>Gait and Posture</i> , 2014 , 40, 64-9 | 2.6 | 8 |
| 45 | Individuals With an Anterior Cruciate Ligament-Reconstructed Knee Display Atypical Whole Body Movement Strategies but Normal Knee Robustness During Side-Hop Landings: A Finite Helical Axis Analysis. <i>American Journal of Sports Medicine</i> , 2020 , 48, 1117-1126 | 6.8 | 7 |

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| 44 | A statistically compiled test battery for feasible evaluation of knee function after rupture of the Anterior Cruciate Ligament - derived from long-term follow-up data. <i>PLoS ONE</i> , 2017 , 12, e0176247 | 3.7 | 7 |
| 43 | Knee kinematics during stair descent 20 years following anterior cruciate ligament rupture with and without reconstruction. <i>Clinical Biomechanics</i> , 2016 , 32, 180-6 | 2.2 | 7 |
| 42 | Office-Cycling: A Promising Way to Raise Pain Thresholds and Increase Metabolism with Minimal Compromising of Work Performance. <i>BioMed Research International</i> , 2018 , 2018, 5427201 | 3 | 7 |
| 41 | Increased movement variability in one-leg hops about 20 years after treatment of anterior cruciate ligament injury. <i>Clinical Biomechanics</i> , 2018 , 53, 37-45 | 2.2 | 6 |
| 40 | Impact of Workplace Exposure and Stress on Neck Pain and Disabilities in Women-A Longitudinal Follow-up After a Rehabilitation Intervention. <i>Annals of Work Exposures and Health</i> , 2018 , 62, 591-603 | 2.4 | 6 |
| 39 | Does the Femoral Head Size in Hip Arthroplasty Influence Lower Body Movements during Squats, Gait and Stair Walking? A Clinical Pilot Study Based on Wearable Motion Sensors. <i>Sensors</i> , 2019 , 19, | 3.8 | 6 |
| 38 | Does touch massage facilitate recovery after stroke? A study protocol of a randomized controlled trial. <i>BMC Complementary and Alternative Medicine</i> , 2016 , 16, 50 | 4.7 | 6 |
| 37 | Effect of robotic-assisted gait training on objective biomechanical measures of gait in persons post-stroke: a systematic review and meta-analysis. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021 , 18, 64 | 5.3 | 6 |
| 36 | Properties of Knee Joint Position Sense Tests for Anterior Cruciate Ligament Injury: A Systematic Review and Meta-analysis. <i>Orthopaedic Journal of Sports Medicine</i> , 2021 , 9, 23259671211007878 | 3.5 | 6 |
| 35 | Psychometric properties of knee proprioception tests targeting healthy individuals and those with anterior cruciate ligament injury managed with or without reconstruction: a systematic review protocol. <i>BMJ Open</i> , 2019 , 9, e027241 | 3 | 5 |
| 34 | Timing Training in Female Soccer Players: Effects on Skilled Movement Performance and Brain Responses. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 311 | 3.3 | 4 |
| 33 | Low-cost motion interactive video games in home training for children with cerebral palsy: A kinematic evaluation 2011 , | | 4 |
| 32 | The Apoptosis Pathway and CASP8 Variants Conferring Risk for Acute and Overuse Musculoskeletal Injuries. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 680-688 | 3.8 | 4 |
| 31 | Development of supine and standing knee joint position sense tests. <i>Physical Therapy in Sport</i> , 2021 , 49, 112-121 | 3 | 4 |
| 30 | Seated postural neck and trunk reactions to sideways perturbations with or without a cognitive task. <i>Journal of Electromyography and Kinesiology</i> , 2015 , 25, 548-56 | 2.5 | 3 |
| 29 | Impact of Intensive Gait Training With and Without Electromechanical Assistance in the Chronic Phase After Stroke-A Multi-Arm Randomized Controlled Trial With a 6 and 12 Months Follow Up. <i>Frontiers in Neuroscience</i> , 2021 , 15, 660726 | 5.1 | 3 |
| 28 | Altered postural control strategies in quiet standing more than 20 years after rupture of the anterior cruciate ligament. <i>Gait and Posture</i> , 2016 , 46, 98-103 | 2.6 | 3 |
| 27 | Introducing a novel test with unanticipated medial/lateral diagonal hops that reliably captures hip and knee kinematics in healthy women. <i>Journal of Biomechanics</i> , 2019 , 82, 70-79 | 2.9 | 3 |

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| 26 | Double-Sided Mechanical Shocks Provoke Larger Seated Postural Reactions Compared With Single-Sided Mechanical Shocks. <i>Spine</i> , 2018 , 43, E482-E487 | 3.3 | 2 |
| 25 | Kinematic analyses including finite helical axes of drop jump landings demonstrate decreased knee control long after anterior cruciate ligament injury. <i>PLoS ONE</i> , 2019 , 14, e0224261 | 3.7 | 2 |
| 24 | A novel test reliably captures hip and knee kinematics and kinetics during unanticipated/anticipated diagonal hops in individuals with anterior cruciate ligament reconstruction. <i>Journal of Biomechanics</i> , 2020 , 99, 109480 | 2.9 | 2 |
| 23 | Influence of visual feedback, hand dominance and sex on individuated finger movements. <i>Experimental Brain Research</i> , 2021 , 239, 1911-1928 | 2.3 | 2 |
| 22 | Effects of neuromuscular training on knee proprioception in individuals with anterior cruciate ligament injury: a systematic review and GRADE evidence synthesis. <i>BMJ Open</i> , 2021 , 11, e049226 | 3 | 2 |
| 21 | Investigation of multiple populations highlight VEGFA polymorphisms to modulate anterior cruciate ligament injury. <i>Journal of Orthopaedic Research</i> , 2021 , | 3.8 | 1 |
| 20 | Inclination angles of the ankle and head relative to the centre of mass identify gait deviations post-stroke. <i>Gait and Posture</i> , 2020 , 82, 181-188 | 2.6 | 1 |
| 19 | Analysis Choices Impact Movement Evaluation: A Multi-Aspect Inferential Method Applied to Kinematic Curves of Vertical Hops in Knee-Injured and Asymptomatic Persons. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 645014 | 5.8 | 1 |
| 18 | Jaw-neck movement integration in 6-year-old children differs from that of adults. <i>Journal of Oral Rehabilitation</i> , 2020 , 47, 27-35 | 3.4 | 1 |
| 17 | Side-hops challenge knee control in the frontal and transversal plane more than hops for distance or height among ACL-reconstructed individuals. <i>Sports Biomechanics</i> , 2021 , 1-18 | 2.2 | 1 |
| 16 | Retrospective experiences of individuals two decades after anterior cruciate ligament injury - a process of re-orientation towards acceptance. <i>Disability and Rehabilitation</i> , 2021 , 1-10 | 2.4 | 1 |
| 15 | Fear of Reinjury Following Anterior Cruciate Ligament Reconstruction Is Manifested in Muscle Activation Patterns of Single-Leg Side-Hop Landings. <i>Physical Therapy</i> , 2021 , | 3.3 | 1 |
| 14 | Properties of tests for knee joint threshold to detect passive motion following anterior cruciate ligament injury: a systematic review and meta-analysis.. <i>Journal of Orthopaedic Surgery and Research</i> , 2022 , 17, 134 | 2.8 | 1 |
| 13 | Brain Response to a Knee Proprioception Task Among Persons With Anterior Cruciate Ligament Reconstruction and Controls.. <i>Frontiers in Human Neuroscience</i> , 2022 , 16, 841874 | 3.3 | 0 |
| 12 | Angle-specific torque profiles of concentric and eccentric thigh muscle strength 20 years after anterior cruciate ligament injury.. <i>Sports Biomechanics</i> , 2022 , 1-17 | 2.2 | 0 |
| 11 | Does a knee joint position sense test make functional sense? Comparison to an obstacle clearance test following anterior cruciate ligament injury.. <i>Physical Therapy in Sport</i> , 2022 , 55, 256-263 | 3 | 0 |
| 10 | Thigh muscle co-contraction patterns in individuals with anterior cruciate ligament reconstruction, athletes and controls during a novel double-hop test.. <i>Scientific Reports</i> , 2022 , 12, 8431 | 4.9 | 0 |
| 9 | Advances in clinical biomechanics. <i>Physical Therapy Reviews</i> , 2015 , 20, 135-136 | 0.7 | |

- 8 Psychometric properties and domains of postural control tests for individuals with knee osteoarthritis: a systematic review. *International Journal of Rehabilitation Research*, **2020**, 43, 102-115 1.8
- 7 One-leg rise performance and associated knee kinematics in ACL-deficient and ACL-reconstructed persons 23 years post-injury. *BMC Musculoskeletal Disorders*, **2019**, 20, 476 2.8
- 6 Biomechanics of sports injuries, their management and clinical considerations **2020**, 47-61
- 5 Virtual Reality Exercises in an Interdisciplinary Rehabilitation Programme for Persons with Chronic Neck Pain: a Feasibility Study. *Journal of Rehabilitation Medicine Clinical Communications*, **2021**, 4, 1000067^{0.2}
- 4 Test-retest reliability of entire time-series data from hip, knee and ankle kinematics and kinetics during one-leg hops for distance: Analyses using integrated pointwise indices. *Journal of Biomechanics*, **2021**, 124, 110546 2.9
- 3 Does sensorimotor function predict graft rupture, contra-lateral injury or failure to return to sports after ACL reconstruction? A protocol for the STOP Graft Rupture study. *BMJ Open*, **2021**, 11, e042031 3
- 2 Core Sets of Kinematic Variables to Consider for Evaluation of Gait Post-stroke.. *Frontiers in Human Neuroscience*, **2021**, 15, 820104 3.3
- 1 Atypical Lower Limb Mechanics During Weight Acceptance of Stair Descent at Different Time Frames After Anterior Cruciate Ligament Reconstruction. *American Journal of Sports Medicine*, 036354652210952^{6.8}