

Annemieke I Buizer

List of Publications by Year in Descending Order

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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.

78
papers

1,100
citations

18
h-index

31
g-index

103
ext. papers

1,416
ext. citations

3
avg, IF

4.44
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 78 | The effect of prolonged walking on muscle fatigue and neuromuscular control in children with cerebral palsy.. <i>Gait and Posture</i> , 2022 , 93, 7-13 | 2.6 | 0 |
| 77 | Surgical complications of intrathecal baclofen in children: A single centre, 20-year retrospective cohort study.. <i>European Journal of Paediatric Neurology</i> , 2022 , 37, 94-97 | 3.8 | |
| 76 | Attainment of personal goals in the first year of intrathecal baclofen treatment in dyskinetic cerebral palsy: a prospective cohort study.. <i>Disability and Rehabilitation</i> , 2022 , 1-8 | 2.4 | 0 |
| 75 | The Impact of Frame Running on Quality of Life in Young Athletes With Mobility Limitations.. <i>Frontiers in Sports and Active Living</i> , 2022 , 4, 839285 | 2.3 | 0 |
| 74 | Determinants of spoken language comprehension in children with cerebral palsy.. <i>Disability and Rehabilitation</i> , 2022 , 1-13 | 2.4 | 0 |
| 73 | Midfoot kinematics of valgus and varus foot types in children with cerebral palsy using the Amsterdam Foot Model. <i>Gait and Posture</i> , 2021 , 90, 186-187 | 2.6 | |
| 72 | Implicit EMG-driven gaming to alter calf muscle activation during gait in children with cerebral palsy. <i>Gait and Posture</i> , 2021 , 90, 61-62 | 2.6 | |
| 71 | Markerless motion tracking to assess upper limb dyskinesia in children and young adults with cerebral palsy. <i>Gait and Posture</i> , 2021 , 90, 106-107 | 2.6 | |
| 70 | Functional assessment of stretch hyperreflexia in children with cerebral palsy using treadmill perturbations. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021 , 18, 151 | 5.3 | |
| 69 | Early Development of Locomotor Patterns and Motor Control in Very Young Children at High Risk of Cerebral Palsy, a Longitudinal Case Series. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 659415 | 3.3 | 0 |
| 68 | Parenting a child with Marfan syndrome: Distress and everyday problems. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 50-59 | 2.5 | 2 |
| 67 | Exergaming improves balance in children with spastic cerebral palsy with low balance performance: results from a multicenter controlled trial. <i>Disability and Rehabilitation</i> , 2021 , 1-10 | 2.4 | 1 |
| 66 | How does a systematic tuning protocol for ankle foot orthosis-footwear combinations affect gait in children in cerebral palsy?. <i>Disability and Rehabilitation</i> , 2021 , 1-11 | 2.4 | 0 |
| 65 | Feature selection from markerless movement recordings to assess dystonia in children with cerebral palsy. <i>Gait and Posture</i> , 2020 , 81, 354-355 | 2.6 | 1 |
| 64 | Instrumented assessment of motor function in dyskinetic cerebral palsy: a systematic review. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020 , 17, 39 | 5.3 | 12 |
| 63 | Muscle Synergies During Walking in Children With Cerebral Palsy: A Systematic Review. <i>Frontiers in Physiology</i> , 2020 , 11, 632 | 4.6 | 8 |
| 62 | Intraobserver Reliability and Construct Validity of the Squat Test in Children With Cerebral Palsy. <i>Pediatric Physical Therapy</i> , 2020 , 32, 399-403 | 0.9 | |

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| 61 | Videogame-based balance training while standing does not affect reactive gait stability after slip perturbations in children with cerebral palsy. <i>Gait and Posture</i> , 2020 , 81, 229 | 2.6 | |
| 60 | Automatic video tracking using deep learning in dyskinetic cerebral palsy. <i>Gait and Posture</i> , 2020 , 81, 132-133 | 2.6 | 1 |
| 59 | Use of the Dyskinesia Impairment Scale in non-ambulatory dyskinetic cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2020 , 62, 494-499 | 3.3 | 2 |
| 58 | Fatigue in Children and Young Adults With Physical Disabilities: Relation With Energy Demands of Walking and Physical Fitness. <i>Pediatric Physical Therapy</i> , 2020 , 32, 202-209 | 0.9 | 4 |
| 57 | Gastrocnemius Medialis Muscle Geometry and Extensibility in Typically Developing Children and Children With Spastic Paresis Aged 6-13 Years. <i>Frontiers in Physiology</i> , 2020 , 11, 528522 | 4.6 | 0 |
| 56 | Biofeedback-driven gaming to improve EMG patterns during gait in children with cerebral palsy. <i>Gait and Posture</i> , 2020 , 81, 97-98 | 2.6 | |
| 55 | Therapy needs and possibilities in paediatric rehabilitation during the COVID-19 lockdown in the Netherlands. <i>Child: Care, Health and Development</i> , 2020 , 46, 749-750 | 2.8 | 3 |
| 54 | Factors associated with spoken language comprehension in children with cerebral palsy: a systematic review. <i>Developmental Medicine and Child Neurology</i> , 2020 , 62, 1363-1373 | 3.3 | 5 |
| 53 | The European Reference Network for Rare Neurological Diseases. <i>Frontiers in Neurology</i> , 2020 , 11, 616569 | 4.9 | 8 |
| 52 | Applying Stretch to Evoke Hyperreflexia in Spasticity Testing: Velocity vs. Acceleration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 591004 | 5.8 | 1 |
| 51 | The validity and usability of an eight marker model for avatar-based biofeedback gait training. <i>Clinical Biomechanics</i> , 2019 , 70, 146-152 | 2.2 | 2 |
| 50 | The Effect of Intrathecal Baclofen in Dyskinetic Cerebral Palsy: The IDYS Trial. <i>Annals of Neurology</i> , 2019 , 86, 79-90 | 9.4 | 21 |
| 49 | Selective dorsal rhizotomy in children with cerebral palsy. <i>The Lancet Child and Adolescent Health</i> , 2019 , 3, 438-439 | 14.5 | 2 |
| 48 | How normal is normal: Consequences of stride to stride variability, treadmill walking and age when using normative paediatric gait data. <i>Gait and Posture</i> , 2019 , 70, 289-297 | 2.6 | 9 |
| 47 | Intrathecal baclofen in metachromatic leukodystrophy. <i>Developmental Medicine and Child Neurology</i> , 2019 , 61, 232-235 | 3.3 | 9 |
| 46 | Effects of functional power training on gait kinematics in children with cerebral palsy. <i>Gait and Posture</i> , 2019 , 73, 168-172 | 2.6 | 5 |
| 45 | Comprehensive evaluation of gait, spasticity, and muscle morphology: A case report of a child with spastic paresis treated with Botulinum NeuroToxin-A, serial casting, and physiotherapy. <i>Clinical Case Reports (discontinued)</i> , 2019 , 7, 1637-1646 | 0.7 | 2 |
| 44 | Muscle Synergies in Response to Biofeedback-Driven Gait Adaptations in Children With Cerebral Palsy. <i>Frontiers in Physiology</i> , 2019 , 10, 1208 | 4.6 | 15 |

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| 43 | Effect of continuous intrathecal baclofen therapy in children: a systematic review. <i>Developmental Medicine and Child Neurology</i> , 2019 , 61, 128-134 | 3.3 | 23 |
| 42 | Factors Associated With Long-Term Improvement of Gait After Selective Dorsal Rhizotomy. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019 , 100, 474-480 | 2.8 | 12 |
| 41 | Immediate Effects of Immersive Biofeedback on Gait in Children With Cerebral Palsy. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019 , 100, 598-605 | 2.8 | 24 |
| 40 | The efficacy of functional gait training in children and young adults with cerebral palsy: a systematic review and meta-analysis. <i>Developmental Medicine and Child Neurology</i> , 2018 , 60, 866-883 | 3.3 | 57 |
| 39 | Effects of Postural Management on Hip Migration in Children With Cerebral Palsy: A Systematic Review. <i>Pediatric Physical Therapy</i> , 2018 , 30, 82-91 | 0.9 | 12 |
| 38 | Outcome of medial hamstring lengthening in children with spastic paresis: A biomechanical and morphological observational study. <i>PLoS ONE</i> , 2018 , 13, e0192573 | 3.7 | 11 |
| 37 | Evolution of gait in adolescents and young adults with spastic diplegia after selective dorsal rhizotomy in childhood: A 10 year follow-up study. <i>Gait and Posture</i> , 2018 , 64, 108-113 | 2.6 | 8 |
| 36 | Risk Factors for Dystonia after Selective Dorsal Rhizotomy in Nonwalking Children and Adolescents with Bilateral Spasticity. <i>Neuropediatrics</i> , 2018 , 49, 44-50 | 1.6 | 5 |
| 35 | O 016 - Investigating the roll-over shape in children with cerebral palsy walking with and without ankle foot orthoses. <i>Gait and Posture</i> , 2018 , 65, 29-30 | 2.6 | 1 |
| 34 | O 051 Does video game-based balance-training improve gait stability in children with cerebral palsy?. <i>Gait and Posture</i> , 2018 , 65, 105-106 | 2.6 | 1 |
| 33 | Energy cost during walking in association with age and body height in children and young adults with cerebral palsy. <i>Gait and Posture</i> , 2017 , 54, 119-126 | 2.6 | 17 |
| 32 | European consensus on the concepts and measurement of the pathophysiological neuromuscular responses to passive muscle stretch. <i>European Journal of Neurology</i> , 2017 , 24, 981-e38 | 6 | 48 |
| 31 | Motorized versus manual instrumented spasticity assessment in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2017 , 59, 145-151 | 3.3 | 19 |
| 30 | Analysis of gait patterns pre- and post- Single Event Multilevel Surgery in children with Cerebral Palsy by means of Offset-Wise Movement Analysis Profile and Linear Fit Method. <i>Human Movement Science</i> , 2017 , 55, 145-155 | 2.4 | 18 |
| 29 | O63: Medial gastrocnemius muscle in children with Spastic Paresis show growth defects for muscle volume and altered normalized muscle and tendon length compared to typically developed children. <i>Gait and Posture</i> , 2017 , 57, 110-111 | 2.6 | |
| 28 | Effects of Botulinum Toxin-A and casting treatment on assessed spasticity, muscle morphology and gait kinematics in spastic paresis. <i>Gait and Posture</i> , 2017 , 57, 104-105 | 2.6 | |
| 27 | Evolution of the gait pattern in adolescents and young adults with Cerebral Palsy who underwent SDR as children: a 10 year follow-up study. <i>Gait and Posture</i> , 2017 , 57, 129-130 | 2.6 | |
| 26 | P48: Effect of Botulinum toxin-A treatment on ankle and knee kinematics in spastic CP patients based on combination of treated muscles. <i>Gait and Posture</i> , 2017 , 57, 269-270 | 2.6 | |

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| 25 | Real-time feedback to improve gait in children with cerebral palsy. <i>Gait and Posture</i> , 2017 , 52, 76-82 | 2.6 | 25 |
| 24 | Effect of selective dorsal rhizotomy on daily care and comfort in non-walking children and adolescents with severe spasticity. <i>European Journal of Paediatric Neurology</i> , 2017 , 21, 350-357 | 3.8 | 16 |
| 23 | An individual approach for optimizing ankle-foot orthoses to improve mobility in children with spastic cerebral palsy walking with excessive knee flexion. <i>Gait and Posture</i> , 2016 , 46, 104-11 | 2.6 | 23 |
| 22 | The effect of intrathecal baclofen treatment on activities of daily life in children and young adults with cerebral palsy and progressive neurological disorders. <i>European Journal of Paediatric Neurology</i> , 2016 , 20, 538-44 | 3.8 | 19 |
| 21 | Knee Moment-Angle Characteristics and Semitendinosus Muscle Morphology in Children with Spastic Paresis Selected for Medial Hamstring Lengthening. <i>PLoS ONE</i> , 2016 , 11, e0166401 | 3.7 | 13 |
| 20 | Satisfaction and pain levels after proximal femoral valgus osteotomy according to Schanz in patients with cerebral palsy and hip dislocation. <i>Journal of Pediatric Orthopaedics Part B</i> , 2016 , 25, 222-7 ^{1.4} | | 1 |
| 19 | Sudden falls as a persistent complication of selective dorsal rhizotomy surgery in children with bilateral spasticity: report of 3 cases. <i>Journal of Neurosurgery: Pediatrics</i> , 2016 , 18, 192-5 | 2.1 | 4 |
| 18 | Freehand three-dimensional ultrasound to assess semitendinosus muscle morphology. <i>Journal of Anatomy</i> , 2016 , 229, 591-9 | 2.9 | 20 |
| 17 | Botulinum neurotoxin treatment in children with cerebral palsy: validation of a needle placement protocol using passive muscle stretching and relaxing. <i>Developmental Medicine and Child Neurology</i> , 2016 , 58, 1281-1287 | 3.3 | 1 |
| 16 | The Shank-to-Vertical-Angle as a parameter to evaluate tuning of Ankle-Foot Orthoses. <i>Gait and Posture</i> , 2015 , 42, 269-74 | 2.6 | 21 |
| 15 | The validity and reliability of modelled neural and tissue properties of the ankle muscles in children with cerebral palsy. <i>Gait and Posture</i> , 2015 , 42, 7-15 | 2.6 | 22 |
| 14 | Acclimatization of the gait pattern to wearing an ankle-foot orthosis in children with spastic cerebral palsy. <i>Clinical Biomechanics</i> , 2015 , 30, 617-22 | 2.2 | 14 |
| 13 | The prognostic value of the head-shaft angle on hip displacement in children with cerebral palsy. <i>Journal of Children's Orthopaedics</i> , 2015 , 9, 129-35 | 2.1 | 9 |
| 12 | Kinetic comparison of walking on a treadmill versus over ground in children with cerebral palsy. <i>Journal of Biomechanics</i> , 2015 , 48, 3577-83 | 2.9 | 22 |
| 11 | The head-shaft angle of the hip in early childhood: a comparison of reference values for children with cerebral palsy and normally developing hips. <i>Bone and Joint Journal</i> , 2015 , 97-B, 1291-5 | 5.6 | 10 |
| 10 | Assessment of net knee moment-angle characteristics by instrumented hand-held dynamometry in children with spastic cerebral palsy and typically developing children. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015 , 12, 67 | 5.3 | 7 |
| 9 | The Effects of Varying Ankle Foot Orthosis Stiffness on Gait in Children with Spastic Cerebral Palsy Who Walk with Excessive Knee Flexion. <i>PLoS ONE</i> , 2015 , 10, e0142878 | 3.7 | 50 |
| 8 | Defining the mechanical properties of a spring-hinged ankle foot orthosis to assess its potential use in children with spastic cerebral palsy. <i>Journal of Applied Biomechanics</i> , 2014 , 30, 728-31 | 1.2 | 14 |

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| 7 | Optimising Ankle Foot Orthoses for children with cerebral palsy walking with excessive knee flexion to improve their mobility and participation; protocol of the AFO-CP study. <i>BMC Pediatrics</i> , 2013 , 13, 17 | 2.6 | 11 |
| 6 | Effects of chemotherapy on neurocognitive function in children with acute lymphoblastic leukemia: a critical review of the literature. <i>Pediatric Blood and Cancer</i> , 2009 , 52, 447-54 | 3 | 139 |
| 5 | Behavioral and educational limitations after chemotherapy for childhood acute lymphoblastic leukemia or Wilms tumor. <i>Cancer</i> , 2006 , 106, 2067-75 | 6.4 | 88 |
| 4 | Chemotherapy and attentional dysfunction in survivors of childhood acute lymphoblastic leukemia: effect of treatment intensity. <i>Pediatric Blood and Cancer</i> , 2005 , 45, 281-90 | 3 | 130 |
| 3 | Visuomotor control in survivors of childhood acute lymphoblastic leukemia treated with chemotherapy only. <i>Journal of the International Neuropsychological Society</i> , 2005 , 11, 554-65 | 3.1 | 51 |
| 2 | Intermediate uveitis and polyneuropathy in an elderly patient due to sarcoidosis. <i>Neuro-Ophthalmology</i> , 1999 , 21, 171-172 | 0.9 | 1 |
| 1 | Intrathecal Baclofen for Dyskinetic Cerebral Palsy 229-232 | | |