

# Harald BÃ¶hm

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,111  
citations

411340

20  
h-index

466096

32  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1185  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability and Accuracy in Three-Dimensional Gait Analysis: A Comparison of Two Lower Body Protocols. <i>Journal of Applied Biomechanics</i> , 2013, 29, 105-111.	0.3	88
2	Does excessive flatfoot deformity affect function? A comparison between symptomatic and asymptomatic flatfeet using the Oxford Foot Model. <i>Gait and Posture</i> , 2014, 39, 23-28.	0.6	86
3	Ankle and midfoot kinetics during normal gait: A multi-segment approach. <i>Journal of Biomechanics</i> , 2012, 45, 1011-1016.	0.9	84
4	Effects of Mobile Health Including Wearable Activity Trackers to Increase Physical Activity Outcomes Among Healthy Children and Adolescents: Systematic Review. <i>JMIR MHealth and UHealth</i> , 2019, 7, e8298.	1.8	83
5	Gait asymmetries in children with cerebral palsy: Do they deteriorate with running?. <i>Gait and Posture</i> , 2012, 35, 322-327.	0.6	64
6	Effect of boot shaft stiffness on stability joint energy and muscular co-contraction during walking on uneven surface. <i>Journal of Biomechanics</i> , 2010, 43, 2467-2472.	0.9	54
7	Effects of ankle-foot braces on medial gastrocnemius morphometrics and gait in children with cerebral palsy. <i>Journal of Children's Orthopaedics</i> , 2015, 9, 209-219.	0.4	38
8	Effects of backward-downhill treadmill training versus manual static plantarflexor stretching on muscle-joint pathology and function in children with spastic Cerebral Palsy. <i>Gait and Posture</i> , 2018, 65, 121-128.	0.6	33
9	Contribution of Muscle Series Elasticity to Maximum Performance in Drop Jumping. <i>Journal of Applied Biomechanics</i> , 2006, 22, 3-13.	0.3	31
10	Effect of different handgrip angles on work distribution during hand cycling at submaximal power levels. <i>Ergonomics</i> , 2009, 52, 1276-1286.	1.1	31
11	Gender Bias in the Effects of Arms and Countermovement on Jumping Performance. <i>Journal of Strength and Conditioning Research</i> , 2007, 21, 362.	1.0	30
12	Stiff-knee gait in cerebral palsy: How do patients adapt to uneven ground?. <i>Gait and Posture</i> , 2014, 39, 1028-1033.	0.6	29
13	Contractile behavior of the medial gastrocnemius in children with bilateral spastic cerebral palsy during forward, uphill and backward-downhill gait. <i>Clinical Biomechanics</i> , 2016, 36, 32-39.	0.5	28
14	Dynamic loading of the knee and hip joint and compensatory strategies in children and adolescents with varus malalignment. <i>Gait and Posture</i> , 2011, 33, 490-495.	0.6	27
15	Effect of compensatory trunk movements on knee and hip joint loading during gait in children with different orthopedic pathologies. <i>Gait and Posture</i> , 2014, 39, 859-864.	0.6	26
16	Effect of lower limb malalignment in the frontal plane on transverse plane mechanics during gait in young individuals with varus knee alignment. <i>Knee</i> , 2014, 21, 688-693.	0.8	26
17	Influence of crank length and crank width on maximal hand cycling power and cadence. <i>European Journal of Applied Physiology</i> , 2009, 106, 749-757.	1.2	25
18	Predictors for anterior pelvic tilt following surgical correction of flexed knee gait including patellar tendon shortening in children with cerebral palsy. <i>Gait and Posture</i> , 2017, 54, 8-14.	0.6	25

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19	Effect of ski boot settings on tibio-femoral abduction and rotation during standing and simulated skiing. <i>Journal of Biomechanics</i> , 2008, 41, 498-505.	0.9	24
20	Effects of short-term training using SmartCrankers on cycle work distribution and power output during cycling. <i>European Journal of Applied Physiology</i> , 2008, 103, 225-232.	1.2	22
21	Effect of floor reaction ankle-foot orthosis on crouch gait in patients with cerebral palsy. <i>Prosthetics and Orthotics International</i> , 2018, 42, 245-253.	0.5	22
22	Effect of guided growth intervention on static leg alignment and dynamic knee contact forces during gait. <i>Gait and Posture</i> , 2020, 78, 80-88.	0.6	19
23	Prevalence and predictors for the ability to run in children and adolescents with cerebral palsy. <i>Clinical Biomechanics</i> , 2018, 58, 103-108.	0.5	18
24	Correction of static axial alignment in children with knee varus or valgus deformities through guided growth: Does it also correct dynamic frontal plane moments during walking?. <i>Gait and Posture</i> , 2015, 42, 394-397.	0.6	16
25	Predictors of pelvic retraction in children with cerebral palsy derived from gait parameters and clinical testing. <i>Gait and Posture</i> , 2012, 35, 250-254.	0.6	15
26	Cluster analysis to identify foot motion patterns in children with flexible flatfeet using gait analysis—a statistical approach to detect decompensated pathology?. <i>Gait and Posture</i> , 2019, 71, 151-156.	0.6	15
27	Efficacy of prefabricated carbon-composite ankle foot orthoses for children with unilateral spastic cerebral palsy exhibiting a drop foot pattern. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2019, 12, 171-180.	0.3	14
28	Kinematic adaptation and changes in gait classification in running compared to walking in children with unilateral spastic cerebral palsy. <i>Gait and Posture</i> , 2019, 67, 104-111.	0.6	14
29	Pathological trunk motion during walking in children with Amyoplasia: Is it caused by muscular weakness or joint contractures?. <i>Research in Developmental Disabilities</i> , 2013, 34, 4286-4292.	1.2	13
30	Effects of climbing therapy on gait function in children and adolescents with cerebral palsy—a randomized, controlled crossover trial. <i>European Journal of Physiotherapy</i> , 2015, 17, 1-8.	0.7	12
31	Non-invasive determination of frontal plane lower limb alignment using motion capture technique—an alternative for full-length radiographs in young patients treated by a temporary hemiepiphyodesis?. <i>Gait and Posture</i> , 2020, 79, 26-32.	0.6	11
32	Identification of Patients with Similar Gait Compensating Strategies Due to Unilateral Hip Osteoarthritis and the Effect of Total Hip Replacement: A Secondary Analysis. <i>Journal of Clinical Medicine</i> , 2021, 10, 2167.	1.0	11
33	Self-perceived foot function and pain in children and adolescents with flexible flatfeet—Relationship between dynamic pedobarography and the foot function index. <i>Gait and Posture</i> , 2020, 77, 225-230.	0.6	10
34	Correction of gait after derotation osteotomies in cerebral palsy: Are the effects predictable?. <i>Gait and Posture</i> , 2015, 42, 569-574.	0.6	8
35	Rehabilitation of gait in patients after total hip arthroplasty: Comparison of the minimal invasive Yale 2-incision technique and the conventional lateral approach. <i>Gait and Posture</i> , 2016, 44, 110-115.	0.6	7
36	Prediction of energy efficient pedal forces in cycling using musculoskeletal simulation models. <i>Procedia Engineering</i> , 2010, 2, 3211-3215.	1.2	6

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37	Relationship between radiographic patella-alta pathology and walking dysfunction in children with bilateral spastic Cerebral Palsy. <i>Gait and Posture</i> , 2018, 60, 28-34.	0.6	6
38	Compensatory mechanisms in children with idiopathic lower extremity internal rotational malalignment during walking and running. <i>Gait and Posture</i> , 2020, 79, 46-52.	0.6	6
39	Body Segment Kinematics and Energy Expenditure in Active Videogames. <i>Games for Health Journal</i> , 2016, 5, 189-196.	1.1	5
40	Impact of Altered Gastrocnemius Morphometrics and Fascicle Behavior on Walking Patterns in Children With Spastic Cerebral Palsy. <i>Frontiers in Physiology</i> , 2020, 11, 518134.	1.3	4
41	Does an overcorrected clubfoot caused by surgery or by the Ponseti method behave differently?. <i>Gait and Posture</i> , 2020, 77, 308-314.	0.6	4
42	Effects of idiopathic flatfoot deformity on knee adduction moments during walking. <i>Gait and Posture</i> , 2021, 84, 280-286.	0.6	4
43	Is there a correlation between static radiographs and dynamic foot function in pediatric foot deformities?. <i>Foot and Ankle Surgery</i> , 2020, 26, 801-809.	0.8	3
44	Gender Bias in Jumping Kinetics in National Collegiate Athletic Association Division I Basketball Players. <i>Journal of Strength and Conditioning Research</i> , 2007, 21, 958.	1.0	3
45	Functional electrical stimulation for foot drop in the upper motor neuron syndrome: does it affect 3D foot kinematics during the stance phase of walking?. <i>Fuss Und Sprunggelenk</i> , 2020, 18, 115-124.	0.1	2
46	Individual regression – A new approach to controlling speed in the gait laboratory. <i>Gait and Posture</i> , 2009, 30, S48-S49.	0.6	0
47	Modeling load transfer at the knee joint and perspectives for validation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009, 42, 377-382.	0.4	0
48	Case report: running analysis in hemiplegia affects surgical decision making. <i>Gait and Posture</i> , 2017, 57, 98-99.	0.6	0
49	The Ability to Run in Young People with Cerebral Palsy before and after Single Event Multi-Level Surgery. <i>Journal of Personalized Medicine</i> , 2021, 11, 660.	1.1	0
50	Optimization of Human Motion Exemplified with Handbiking by Means of Motion Analysis and Musculoskeletal Models. <i>Computational Imaging and Vision</i> , 2008, , 417-434.	0.6	0
51	Prefabricated ankle-foot orthoses for children with cerebral palsy to overcome spastic drop-foot. <i>Prosthetics and Orthotics International</i> , 2021, Publish Ahead of Print, 491-499.	0.5	0
52	Klinische Ganganalyse. , 2022, , 165-173.		0