Harald Böhm

List of Publications by Year in descending order

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Ηλαλίο ΒΔσημ

#	Article	IF	CITATIONS
1	Reliability and Accuracy in Three-Dimensional Gait Analysis: A Comparison of Two Lower Body Protocols. Journal of Applied Biomechanics, 2013, 29, 105-111.	0.8	88
2	Does excessive flatfoot deformity affect function? A comparison between symptomatic and asymptomatic flatfeet using the Oxford Foot Model. Gait and Posture, 2014, 39, 23-28.	1.4	86
3	Ankle and midfoot kinetics during normal gait: A multi-segment approach. Journal of Biomechanics, 2012, 45, 1011-1016.	2.1	84
4	Effects of Mobile Health Including Wearable Activity Trackers to Increase Physical Activity Outcomes Among Healthy Children and Adolescents: Systematic Review. JMIR MHealth and UHealth, 2019, 7, e8298.	3.7	83
5	Gait asymmetries in children with cerebral palsy: Do they deteriorate with running?. Gait and Posture, 2012, 35, 322-327.	1.4	64
6	Effect of boot shaft stiffness on stability joint energy and muscular co-contraction during walking on uneven surface. Journal of Biomechanics, 2010, 43, 2467-2472.	2.1	54
7	Effects of ankle–foot braces on medial gastrocnemius morphometrics and gait in children with cerebral palsy. Journal of Children's Orthopaedics, 2015, 9, 209-219.	1.1	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. Gait and Posture, 2018, 65, 121-128.	1.4	33
9	Contribution of Muscle Series Elasticity to Maximum Performance in Drop Jumping. Journal of Applied Biomechanics, 2006, 22, 3-13.	0.8	31
10	Effect of different handgrip angles on work distribution during hand cycling at submaximal power levels. Ergonomics, 2009, 52, 1276-1286.	2.1	31
11	Gender Bias in the Effects of Arms and Countermovement on Jumping Performance. Journal of Strength and Conditioning Research, 2007, 21, 362.	2.1	30
12	Stiff-knee gait in cerebral palsy: How do patients adapt to uneven ground?. Gait and Posture, 2014, 39, 1028-1033.	1.4	29
13	Contractile behavior of the medial gastrocnemius in children with bilateral spastic cerebral palsy during forward, uphill and backward-downhill gait. Clinical Biomechanics, 2016, 36, 32-39.	1.2	28
14	Dynamic loading of the knee and hip joint and compensatory strategies in children and adolescents with varus malalignment. Gait and Posture, 2011, 33, 490-495.	1.4	27
15	Effect of compensatory trunk movements on knee and hip joint loading during gait in children with different orthopedic pathologies. Gait and Posture, 2014, 39, 859-864.	1.4	26
16	Effect of lower limb malalignment in the frontal plane on transverse plane mechanics during gait in young individuals with varus knee alignment. Knee, 2014, 21, 688-693.	1.6	26
17	Influence of crank length and crank width on maximal hand cycling power and cadence. European Journal of Applied Physiology, 2009, 106, 749-757.	2.5	25
18	Predictors for anterior pelvic tilt following surgical correction of flexed knee gait including patellar tendon shortening in children with cerebral palsy. Gait and Posture, 2017, 54, 8-14.	1.4	25

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19	Effect of ski boot settings on tibio-femoral abduction and rotation during standing and simulated skiing. Journal of Biomechanics, 2008, 41, 498-505.	2.1	24
20	Effects of short-term training using SmartCranks on cycle work distribution and power output during cycling. European Journal of Applied Physiology, 2008, 103, 225-232.	2.5	22
21	Effect of floor reaction ankle–foot orthosis on crouch gait in patients with cerebral palsy. Prosthetics and Orthotics International, 2018, 42, 245-253.	1.0	22
22	Effect of guided growth intervention on static leg alignment and dynamic knee contact forces during gait. Gait and Posture, 2020, 78, 80-88.	1.4	19
23	Prevalence and predictors for the ability to run in children and adolescents with cerebral palsy. Clinical Biomechanics, 2018, 58, 103-108.	1.2	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?. Gait and Posture, 2015, 42, 394-397.	1.4	16
25	Predictors of pelvic retraction in children with cerebral palsy derived from gait parameters and clinical testing. Gait and Posture, 2012, 35, 250-254.	1.4	15
26	Cluster analysis to identify foot motion patterns in children with flexible flatfeet using gait analysis—A statistical approach to detect decompensated pathology?. Gait and Posture, 2019, 71, 151-156.	1.4	15
27	Efficacy of prefabricated carbon-composite ankle foot orthoses for children with unilateral spastic cerebral palsy exhibiting a drop foot pattern. Journal of Pediatric Rehabilitation Medicine, 2019, 12, 171-180.	0.5	14
28	Kinematic adaptation and changes in gait classification in running compared to walking in children with unilateral spastic cerebral palsy. Gait and Posture, 2019, 67, 104-111.	1.4	14
29	Pathological trunk motion during walking in children with Amyoplasia: Is it caused by muscular weakness or joint contractures?. Research in Developmental Disabilities, 2013, 34, 4286-4292.	2.2	13
30	Effects of climbing therapy on gait function in children and adolescents with cerebral palsy – A randomized, controlled crossover trial. European Journal of Physiotherapy, 2015, 17, 1-8.	1.3	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 hemiepiphysiodesis?. Gait and Posture, 2020, 79, 26-32.	1.4	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. Journal of Clinical Medicine, 2021, 10, 2167.	2.4	11
33	Self-perceived foot function and pain in children and adolescents with flexible flatfeet – Relationship between dynamic pedobarography and the foot function index. Gait and Posture, 2020, 77, 225-230.	1.4	10
34	Correction of gait after derotation osteotomies in cerebral palsy: Are the effects predictable?. Gait and Posture, 2015, 42, 569-574.	1.4	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. Gait and Posture, 2016, 44, 110-115.	1.4	7
36	Prediction of energy efficient pedal forces in cycling using musculoskeletal simulation models. Procedia Engineering, 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. Gait and Posture, 2018, 60, 28-34.	1.4	6
38	Compensatory mechanisms in children with idiopathic lower extremity internal rotational malalignment during walking and running. Gait and Posture, 2020, 79, 46-52.	1.4	6
39	Body Segment Kinematics and Energy Expenditure in Active Videogames. Games for Health Journal, 2016, 5, 189-196.	2.0	5
40	Impact of Altered Gastrocnemius Morphometrics and Fascicle Behavior on Walking Patterns in Children With Spastic Cerebral Palsy. Frontiers in Physiology, 2020, 11, 518134.	2.8	4
41	Does an overcorrected clubfoot caused by surgery or by the Ponseti method behave differently?. Gait and Posture, 2020, 77, 308-314.	1.4	4
42	Effects of idiopathic flatfoot deformity on knee adduction moments during walking. Gait and Posture, 2021, 84, 280-286.	1.4	4
43	Is there a correlation between static radiographs and dynamic foot function in pediatric foot deformities?. Foot and Ankle Surgery, 2020, 26, 801-809.	1.7	3
44	Gender Bias in Jumping Kinetics in National Collegiate Athletic Association Division I Basketball Players. Journal of Strength and Conditioning Research, 2007, 21, 958.	2.1	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?. Fuss Und Sprunggelenk, 2020, 18, 115-124.	0.0	2
46	Individual regression—A new approach to controlling speed in the gait laboratory. Gait and Posture, 2009, 30, S48-S49.	1.4	0
47	Modeling load transfer at the knee joint and perspectives for validation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 377-382.	0.4	Ο
48	Case report: running analysis in hemiplegia affects surgical decision making. Gait and Posture, 2017, 57, 98-99.	1.4	0
49	The Ability to Run in Young People with Cerebral Palsy before and after Single Event Multi-Level Surgery. Journal of Personalized Medicine, 2021, 11, 660.	2.5	Ο
50	Optimization of Human Motion Exemplified with Handbiking by Means of Motion Analysis and Musculoskeletal Models. Computational Imaging and Vision, 2008, , 417-434.	0.6	0
51	Prefabricated ankle-foot orthoses for children with cerebral palsy to overcome spastic drop-foot. Prosthetics and Orthotics International, 2021, Publish Ahead of Print, 491-499.	1.0	0
52	Klinische Ganganalyse. , 2022, , 165-173.		0