

# Miroslav Janura

## 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.

60  
papers

440  
citations

13  
h-index

17  
g-index

73  
ext. papers

546  
ext. citations

1.6  
avg, IF

3.58  
L-index

#	Paper	IF	Citations
60	An assessment of the pressure distribution exerted by a rider on the back of a horse during hippotherapy. <i>Human Movement Science</i> , <b>2009</b> , 28, 387-93	2.4	39
59	Limits of stability in persons with transtibial amputation with respect to prosthetic alignment alterations. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2013</b> , 94, 2234-40	2.8	26
58	Variability of spatial temporal gait parameters and center of pressure displacements during gait in elderly fallers and nonfallers: A 6-month prospective study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171997	3.7	23
57	Variability of kinetic variables during gait in unilateral transtibial amputees. <i>Prosthetics and Orthotics International</i> , <b>2012</b> , 36, 225-30	1.5	22
56	Local dynamic stability during gait for predicting falls in elderly people: A one-year prospective study. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197091	3.7	21
55	Effects of mirror feedback on upright stance control in elderly transfemoral amputees. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2009</b> , 90, 1960-3	2.8	19
54	Variability of centre of pressure movement during gait in young and middle-aged women. <i>Gait and Posture</i> , <b>2014</b> , 40, 399-402	2.6	18
53	Evaluation of postural asymmetry and gross joint mobility in elite female volleyball athletes. <i>Journal of Human Kinetics</i> , <b>2011</b> , 29, 5-13	2.6	18
52	System of gait analysis based on ground reaction force assessment. <i>Acta Gymnica</i> , <b>2015</b> , 45, 187-193	0.6	17
51	Multiscale and Shannon entropies during gait as fall risk predictors-A prospective study. <i>Gait and Posture</i> , <b>2017</b> , 52, 5-10	2.6	15
50	Temporal-spatial parameters of gait in transfemoral amputees: Comparison of bionic and mechanically passive knee joints. <i>Prosthetics and Orthotics International</i> , <b>2014</b> , 38, 199-203	1.5	15
49	Relationships between movements of the lower limb joints and the pelvis in open and closed kinematic chains during a gait cycle. <i>Journal of Human Kinetics</i> , <b>2016</b> , 51, 37-43	2.6	14
48	Effect of age and activity level on lower extremity gait dynamics: an introductory study. <i>Journal of Strength and Conditioning Research</i> , <b>2013</b> , 27, 1503-10	3.2	13
47	Kinematic Analysis of the Take-Off and Start of the Early Flight Phase on a Large Hill (HS-134 m) during the 2009 Nordic World Ski Championships. <i>Journal of Human Kinetics</i> , <b>2011</b> , 27, 5-16	2.6	12
46	Hallux valgus surgery affects kinematic parameters during gait. <i>Clinical Biomechanics</i> , <b>2016</b> , 40, 20-26	2.2	11
45	Kinematic gait analysis in children with valgus deformity of the hindfoot. <i>Acta of Bioengineering and Biomechanics</i> , <b>2014</b> , 16, 89-93	0.6	10
44	Intra- and inter-session reliability of traditional and entropy-based variables describing stance on a wobble board. <i>Medical Engineering and Physics</i> , <b>2017</b> , 50, 29-34	2.4	9

43	Kinematic Analysis of Gait in Patients with Juvenile Hallux Valgus Deformity. <i>Journal of Biomechanical Science and Engineering</i> , <b>2008</b> , 3, 390-398	0.8	9
42	Breathing changes accompanying balance improvement during biofeedback. <i>Neuroscience Letters</i> , <b>2017</b> , 651, 30-35	3.3	8
41	Standing balance of professional ballet dancers and non-dancers under different conditions. <i>PLoS ONE</i> , <b>2019</b> , 14, e0224145	3.7	8
40	Kinematic characteristics of the ski jump inrun: a 10-year longitudinal study. <i>Journal of Applied Biomechanics</i> , <b>2010</b> , 26, 196-204	1.2	8
39	Kinematic Chains in Ski Jumping In-run Posture. <i>Journal of Human Kinetics</i> , <b>2013</b> , 39, 67-72	2.6	6
38	The effect of balance training intervention on postural stability in children with asthma. <i>Journal of Asthma</i> , <b>2018</b> , 55, 502-510	1.9	5
37	Functional categorization of the individual morphology of the scapula. <i>Medical and Biological Engineering and Computing</i> , <b>2009</b> , 47, 497-506	3.1	5
36	A comparison of the take-off measured under laboratory and jumping-hill conditions. <i>Journal of Biomechanics</i> , <b>1994</b> , 27, 694	2.9	5
35	Analysis of the beginning of the early flight phase of the ski jump in athletes with different performance levels. <i>Acta Gymnica</i> , <b>2011</b> , 41, 7-13	0.6	5
34	Kinematic analysis of the gait in professional ballet dancers. <i>Acta Gymnica</i> , <b>2014</b> , 44, 85-91	0.6	5
33	Assessment of postural stability in overweight and obese middle-aged women. <i>Acta Gymnica</i> , <b>2014</b> , 44, 149-153	0.6	5
32	Kinematics of gait using bionic and hydraulic knee joints in transfemoral amputees. <i>Acta Gymnica</i> , <b>2017</b> , 47, 130-137	0.6	5
31	Balance Performance During Perturbed Standing Is Not Associated With Muscle Strength and Power in Young Adults. <i>Journal of Motor Behavior</i> , <b>2017</b> , 49, 514-523	1.4	4
30	Postural stability after treadmill and overground walking in young and elderly. <i>Gait and Posture</i> , <b>2020</b> , 80, 84-89	2.6	4
29	Does the rider influence the horse's movement in hippotherapy?. <i>Acta Gymnica</i> , <b>2011</b> , 41, 37-41	0.6	4
28	The influence of hallux valgus on pelvis and lower extremity movement during gait. <i>Acta Gymnica</i> , <b>2011</b> , 41, 49-54	0.6	4
27	The benefit of hippotherapy for improvement of attention and memory in children with cerebral palsy: A pilot study. <i>Acta Gymnica</i> , <b>2015</b> , 45, 27-32	0.6	4
26	Evaluation of Explosive Power Performance in Ski Jumpers and Nordic Combined Competitive Athletes: A 19-Year Study. <i>Journal of Strength and Conditioning Research</i> , <b>2016</b> , 30, 71-80	3.2	4

25	The role of lateral preference of lower limbs in a postural stabilization task. <i>Neuroendocrinology Letters</i> , <b>2015</b> , 36, 91-5	0.3	4
24	Postural stability in school-age children with mild bronchial asthma disease (a pilot study). <i>Journal of Asthma</i> , <b>2016</b> , 53, 11-4	1.9	3
23	Ski-jumpers performance in a laboratory setting: a 29-year longitudinal study. <i>Journal of Sports Sciences</i> , <b>2015</b> , 33, 687-95	3.6	3
22	The Effects of Nordic Walking and Slope of the Ground on Lower Limb Muscle Activity. <i>Journal of Strength and Conditioning Research</i> , <b>2018</b> , 32, 217-222	3.2	3
21	Effect of lower limb preference on variability of centre of pressure movement during gait. <i>Acta Gymnica</i> , <b>2015</b> , 45, 203-207	0.6	3
20	The Effects of Attentional Focus Instruction on the Performance of a Whole-Body Coordination Task in Children With Developmental Coordination Disorder. <i>Research in Developmental Disabilities</i> , <b>2020</b> , 101, 103654	2.7	3
19	Comparison of Plantar Pressure Distribution During Walking After Two Different Surgical Treatments for Calcaneal Fracture. <i>Journal of Foot and Ankle Surgery</i> , <b>2019</b> , 58, 260-265	1.6	3
18	Immediate effect of individual bars of insoles and their combination on gait parameters in asymptomatic healthy adults. <i>Somatosensory &amp; Motor Research</i> , <b>2020</b> , 37, 125-131	1.2	2
17	Development and validation of system for measuring poling forces during Nordic walking. <i>Acta Gymnica</i> , <b>2013</b> , 43, 49-56	0.6	2
16	Impact of walking speed and slope of the ground on axial force of poles in Nordic walking. <i>Acta Gymnica</i> , <b>2013</b> , 43, 57-63	0.6	2
15	Comparison of foot loading and foot strike pattern in women running in minimalist and conventional sports shoes. <i>Acta Gymnica</i> , <b>2019</b> , 49, 40-46	0.6	2
14	Rovnováha a možnosti jejho hodnoten <sup>í</sup> <b>2017</b> ,		2
13	The impact of the initial stance position on lower limb joint kinetics in the taekwondo roundhouse kick. <i>Acta Gymnica</i> , <b>2013</b> , 43, 15-22	0.6	1
12	Test-retest reliability of the net joint power transferred by the lower limbs during walking in healthy men. <i>Acta Gymnica</i> , <b>2013</b> , 43, 7-15	0.6	1
11	The effect of hippotherapy on gait in patients with spastic cerebral palsy. <i>Acta Gymnica</i> , <b>2013</b> , 43, 17-23	0.6	1
10	Respiratory muscle strength in children with mild bronchial asthma disease. <i>Acta Gymnica</i> , <b>2017</b> , 47, 180-186	1.86	1
9	Lower Limb Loading during Gait in Patients Long Period after Total Hip Arthroplasty Revision. <i>BioMed Research International</i> , <b>2016</b> , 2016, 7538236	3	1
8	Horse and Rider Interaction During Simulated Horse Jumping. <i>Journal of Equine Veterinary Science</i> , <b>2018</b> , 70, 26-31	1.2	1

7	The association between anthropometric, lower limb strength, and balance variables with 5-repetition sit-to-stand test performance in physically active elderly women. <i>Isokinetics and Exercise Science</i> , <b>2020</b> , 28, 325-331	0.6	o
6	Kinematic analysis of preterm newborns spontaneous movements for postural activity assessment. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , <b>2015</b> , 159, 657-60	1.7	o
5	The immediate effects of sensorimotor foot orthoses on foot kinematics in healthy adults. <i>Gait and Posture</i> , <b>2021</b> , 84, 93-101	2.6	o
4	Relation Between Sophisticated Measurements and Biomechanics Teaching. <i>Procedia, Social and Behavioral Sciences</i> , <b>2013</b> , 83, 125-129		
3	KINEMATIC ANALYSIS OF GAIT IN PATIENTS WITH JUVENILE HALLUX VALGUS DEFORMITY(1B3 Orthopaedic & Rehabilitation Biomechanics III). <i>The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics</i> , <b>2007</b> , 2007.3, S36		
2	The influence of valgus heel position on foot loading in a child's gait. <i>Acta Gymnica</i> , <b>2012</b> , 42, 57-63	0.6	
1	Evaluation of Postural Stability Differences in the Elderly Through Recurrent Analysis. <i>Studies in Health Technology and Informatics</i> , <b>2020</b> , 273, 197-202	0.5	