

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.

93 papers	2,137 citations	22 h-index	44 g-index
125 ext. papers	2,393 ext. citations	1.8 avg, IF	5.02 L-index

#	Paper	IF	Citations
93	Contributions of lower extremity joints to energy dissipation during landings. <i>Medicine and Science in Sports and Exercise</i> , 2000 , 32, 812-9	1.2	309
92	Biomechanical factors associated with injury during landing in jump sports. <i>Sports Medicine</i> , 1991 , 12, 326-37	10.6	170
91	Increased jump height and reduced EMG activity with an external focus. <i>Human Movement Science</i> , 2010 , 29, 440-8	2.4	157
90	The evaluation and prediction of impact forces during landings. <i>Medicine and Science in Sports and Exercise</i> , 1990 , 22, 370-377	1.2	127
89	Increased jump height with an external focus due to enhanced lower extremity joint kinetics. <i>Journal of Motor Behavior</i> , 2009 , 41, 401-9	1.4	99
88	The effect of trial size on statistical power. <i>Medicine and Science in Sports and Exercise</i> , 1992 , 24, 1059-1065	1.2	84
87	Increases in Jump-and-Reach Height through an External Focus of Attention. <i>International Journal of Sports Science and Coaching</i> , 2007 , 2, 275-284	1.8	78
86	The effects of gait retraining in runners with patellofemoral pain: A randomized trial. <i>Clinical Biomechanics</i> , 2016 , 35, 14-22	2.2	77
85	Characteristics of shock attenuation during fatigued running. <i>Journal of Sports Sciences</i> , 2003 , 21, 911-9	3.6	68
84	Interactive effects between group and single-subject response patterns. <i>Human Movement Science</i> , 1995 , 14, 301-323	2.4	53
83	Effects of injury proneness and task difficulty on joint kinetic variability. <i>Medicine and Science in Sports and Exercise</i> , 2000 , 32, 1833-44	1.2	50
82	Classification and comparison of biomechanical response strategies for accommodating landing impact. <i>Journal of Applied Biomechanics</i> , 2003 , 19, 106-18	1.2	44
81	Bilateral performance symmetry during drop landing. <i>Medicine and Science in Sports and Exercise</i> , 1994 , 26, 1153-1159	1.2	40
80	Number of trials necessary to achieve performance stability of selected ground reaction force variables during landing. <i>Journal of Sports Science and Medicine</i> , 2007 , 6, 126-34	2.7	39
79	Analysis of gait symmetry during over-ground walking in children with autism spectrum disorder. <i>Gait and Posture</i> , 2017 , 55, 162-166	2.6	35
78	Determination of muscle activity during running at reduced body weight. <i>Journal of Sports Sciences</i> , 2011 , 29, 207-14	3.6	33
77	Effects of overweight and obesity on walking characteristics in adolescents. <i>Human Movement Science</i> , 2012 , 31, 897-906	2.4	28

76	Effects of foot strike on low back posture, shock attenuation, and comfort in running. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 490-6	1.2	26
75	Use of active video gaming in children with neuromotor dysfunction: a systematic review. <i>Developmental Medicine and Child Neurology</i> , 2017 , 59, 903-911	3.3	24
74	Dynamic performance assessment of selected sport shoes on impact forces. <i>Medicine and Science in Sports and Exercise</i> , 1991 , 23, 1062-1067	1.2	24
73	Imagery and Conditioning Practices for Dancers. <i>Dance Research Journal</i> , 1997 , 29, 43	0.3	22
72	Effects of Stretch Shortening Cycle Exercise Fatigue on Stress Fracture Injury Risk During Landing. <i>Research Quarterly for Exercise and Sport</i> , 2006 , 77, 1-13	1.9	22
71	Kinetic and Electromyographic Subphase Characteristics With Relation to Countermovement Vertical Jump Performance. <i>Journal of Applied Biomechanics</i> , 2018 , 34, 291-297	1.2	21
70	A Comparative Evaluation of Gait between Children with Autism and Typically Developing Matched Controls. <i>Medical Sciences (Basel, Switzerland)</i> , 2017 , 5,	3.3	21
69	A description of shock attenuation for children running. <i>Journal of Athletic Training</i> , 2010 , 45, 259-64	4	21
68	Three-dimensional impact kinetics with foot-strike manipulations during running. <i>Journal of Sport and Health Science</i> , 2017 , 6, 489-497	8.2	19
67	The effect of trial size and variability on statistical power. <i>Medicine and Science in Sports and Exercise</i> , 1995 , 27, 288-295	1.2	19
66	Neuromechanical synergies in single-leg landing reveal changes in movement control. <i>Human Movement Science</i> , 2016 , 49, 66-78	2.4	18
65	Functional and dynamic response characteristics of a custom composite ankle foot orthosis for Charcot-Marie-Tooth patients. <i>Gait and Posture</i> , 2014 , 39, 308-13	2.6	18
64	An exploration of load accommodation strategies during walking with extremity-carried weights. <i>Human Movement Science</i> , 2014 , 35, 17-29	2.4	18
63	Classifying performer strategies in drop landing activities. <i>Journal of Sports Sciences</i> , 2017 , 35, 1-6	3.6	16
62	Lower extremity performance models for landing. <i>Human Movement Science</i> , 1992 , 11, 299-318	2.4	16
61	The effects of sample size and variability on the correlation coefficient. <i>Medicine and Science in Sports and Exercise</i> , 1996 , 28, 386-91	1.2	15
60	Reviewing the Variability-Overuse Injury Hypothesis: Does Movement Variability Relate to Landing Injuries?. <i>Research Quarterly for Exercise and Sport</i> , 2019 , 90, 190-205	1.9	14
59	Vertical and Horizontal Impact Force Comparison During Jump Landings With and Without Rotation in NCAA Division I Male Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2017 , 31, 1780-1786	3.2	13

58	The effects of sample size and variability on the correlation coefficient. <i>Medicine and Science in Sports and Exercise</i> , 1996 , 28, 386-391	1.2	13
57	Effects of treadmill running velocity on lower extremity coordination variability in healthy runners. <i>Human Movement Science</i> , 2018 , 61, 144-150	2.4	12
56	Gait Retraining From Rearfoot Strike to Forefoot Strike does not change Running Economy. <i>International Journal of Sports Medicine</i> , 2017 , 38, 1076-1082	3.6	12
55	The effects of speed and surface compliance on shock attenuation characteristics for male and female runners. <i>Journal of Applied Biomechanics</i> , 2009 , 25, 219-28	1.2	12
54	Examination of gait parameters during perturbed over-ground walking in children with autism spectrum disorder. <i>Research in Developmental Disabilities</i> , 2018 , 74, 50-56	2.7	11
53	Kinematic and ground reaction force accommodation during weighted walking. <i>Human Movement Science</i> , 2015 , 44, 327-37	2.4	11
52	Bilateral Comparison of Vertical Jump Landings and Step-off Landings From Equal Heights. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 1937-1947	3.2	10
51	An interdisciplinary momentary confluence of events model to explain, minimize, and prevent pediatric patient falls and fall-related injuries. <i>Journal for Specialists in Pediatric Nursing</i> , 2013 , 18, 4-12	1.3	10
50	Effects of stretch shortening cycle exercise fatigue on stress fracture injury risk during landing. <i>Research Quarterly for Exercise and Sport</i> , 2006 , 77, 1-13	1.9	10
49	The Influence of Experimental Design on the Detection of Performance Differences. <i>Measurement in Physical Education and Exercise Science</i> , 2016 , 20, 200-207	1.9	10
48	Lower extremity variability changes with drop-landing height manipulations. <i>Research in Sports Medicine</i> , 2017 , 25, 144-155	3.8	9
47	Performance Differences Among Skilled Soccer Players of Different Playing Positions During Vertical Jumping and Landing. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 304-312	3.2	9
46	Evaluating Performance During Maximum Effort Vertical Jump Landings. <i>Journal of Applied Biomechanics</i> , 2018 , 34, 403-409	1.2	9
45	Aerial Rotation Effects on Vertical Jump Performance Among Highly Skilled Collegiate Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2017 , 31, 932-938	3.2	8
44	Comparison of pre-contact joint kinematics and vertical impulse between vertical jump landings and step-off landings from equal heights. <i>Human Movement Science</i> , 2017 , 56, 88-97	2.4	8
43	Weighted Walking Influences Lower Extremity Coordination in Children on the Autism Spectrum. <i>Perceptual and Motor Skills</i> , 2018 , 125, 1103-1122	2.2	8
42	Load Accommodation Strategies and Movement Variability in Single-Leg Landing. <i>Journal of Applied Biomechanics</i> , 2017 , 33, 241-247	1.2	7
41	Lesser magnitudes of lower extremity variability during terminal swing characterizes walking patterns in children with autism. <i>Clinical Biomechanics</i> , 2020 , 76, 105031	2.2	7

40	Assessing the validity of pressure-measuring insoles in quantifying gait variables. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2018 , 5, 2055668317752088	1.7	7
39	Impact attenuation and variability during running in females: a lifespan investigation. <i>Journal of Sport Rehabilitation</i> , 2008 , 17, 230-42	1.7	7
38	Analysis of Peak Oxygen Consumption and Heart Rate during Elliptical and Treadmill Exercise. <i>Journal of Sport Rehabilitation</i> , 2001 , 10, 48-56	1.7	7
37	Lower extremity joint stiffness during walking distinguishes children with and without autism. <i>Human Movement Science</i> , 2018 , 62, 25-33	2.4	7
36	A first look into the influence of triathlon wetsuit on resting blood pressure and heart rate variability. <i>Biology of Sport</i> , 2017 , 34, 77-82	4.3	6
35	Children with Autism Spectrum Disorder Show Impairments During Dynamic Versus Static Grip-force Tracking. <i>Autism Research</i> , 2020 , 13, 2177-2189	5.1	6
34	Single-leg landing neuromechanical data following load and land height manipulations. <i>Data in Brief</i> , 2016 , 8, 1024-30	1.2	6
33	Footwear and footstrike change loading patterns in running. <i>Journal of Sports Sciences</i> , 2020 , 38, 1869-1876	3.6	5
32	Rocker-bottom, profile-type shoes do not increase lower extremity muscle activity or energy cost of walking. <i>Journal of Strength and Conditioning Research</i> , 2012 , 26, 2426-31	3.2	5
31	Landing Biomechanics in Adolescent Athletes With and Without a History of Sports-Related Concussion. <i>Journal of Applied Biomechanics</i> , 2020 , 1-6	1.2	5
30	Weighted vest effects on impact forces and joint work during vertical jump landings in men and women. <i>Human Movement Science</i> , 2019 , 63, 156-163	2.4	5
29	Manual dexterity in children with autism spectrum disorder: A cross-syndrome approach. <i>Research in Autism Spectrum Disorders</i> , 2020 , 73, 101546	3	4
28	Influence of Procedural Factors on the Reliability and Performance of the Timed Up-and-go Test in Older Adults. <i>International Journal of Gerontology</i> , 2016 , 10, 37-42		4
27	Review of Foot Plantar Pressure Focus on the Development of Foot Ulcerations. <i>Open Access Journal of Science and Technology</i> , 2016 , 3,		4
26	Weighted Vest Use to Improve Movement Control during Walking in Children with Autism. <i>Translational Journal of the American College of Sports Medicine</i> , 2019 , 4, 64-73	1.1	4
25	Understanding the influence of perceived fatigue on coordination during endurance running. <i>Sports Biomechanics</i> , 2020 , 19, 618-632	2.2	4
24	Electronic measurement of plantar contact area during walking using an adaptive thresholding method for Medilogic pressure-measuring insoles. <i>Foot</i> , 2019 , 39, 1-10	1.3	3
23	Feasibility of using a large amplitude movement therapy to improve ambulatory function in children with cerebral palsy. <i>Physiotherapy Theory and Practice</i> , 2015 , 31, 382-9	1.5	3

22	Examining the specificity of postural control deficits in children with Autism Spectrum Disorder using a cross-syndrome approach. <i>Research in Autism Spectrum Disorders</i> , 2020 , 72, 101514	3	3
21	Individual joint contributions to shock absorption during vertical drop landings. <i>Journal of Biomechanics</i> , 1992 , 25, 679	2.9	3
20	The Influence of Sport-Related Concussion on Lower Extremity Injury Risk: A Review of Current Return-to-Play Practices and Clinical Implications. <i>International Journal of Exercise Science</i> , 2020 , 13, 873-889	1.3	3
19	Kinematic Analyses of Parkour Landings from as High as 2.7 Meters. <i>Journal of Human Kinetics</i> , 2020 , 72, 15-28	2.6	3
18	Computer interactions during walking workstation use moderately affects spatial-temporal gait characteristics. <i>Gait and Posture</i> , 2019 , 74, 200-204	2.6	2
17	Concurrent Validity of an Automated Footprint Detection Algorithm to Measure Plantar Contact Area During Walking. <i>Journal of the American Podiatric Medical Association</i> , 2019 , 109, 416-425	1	2
16	Walking Mechanics and Movement Pattern Variability in Monozygotic Twins with Autism Spectrum Disorder. <i>Journal of Developmental and Physical Disabilities</i> , 2018 , 30, 793-805	1.5	2
15	A viscoelastic ellipsoidal model of the mechanics of plantar tissues. <i>Journal of Biomechanics</i> , 2019 , 92, 137-145	2.9	2
14	Enhancing the Accuracy of Vertical Ground Reaction Force Measurement During Walking Using Pressure-Measuring Insoles. <i>Journal of Biomechanical Engineering</i> , 2021 , 143,	2.1	2
13	Effects of Active Workstation Use on Walking Mechanics and Work Efficiency. <i>Journal of Novel Physiotherapies</i> , 2016 , 06,	0.5	2
12	Effects of Stretch Shortening Cycle Exercise Fatigue on Stress Fracture Injury Risk During Landing		2
11	Impact characteristics of female children running in adult versus youth shoes of the same size. <i>Journal of Applied Biomechanics</i> , 2012 , 28, 593-8	1.2	1
10	Modifying the Diabetes Prevention Program to Adolescents in a School Setting: A Feasibility Study. <i>ISRN Education</i> , 2012 , 2012, 1-9		1
9	Single-Subject Analyses Reveal Altered Performance and Muscle Activation during Vertical Jumping. <i>Biomechanics</i> , 2021 , 1, 15-28		1
8	A comparison of two techniques for center of pressure measurements. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2020 , 7, 2055668320921063	1.7	0
7	Prediction of calcaneal bone competence from biomechanical accommodation variables measured during weighted walking. <i>Human Movement Science</i> , 2017 , 56, 37-45	2.4	
6	Advanced biomechanics 2020 , 65-80		
5	Why and how we move: the Stickman story 2020 , 81-97		

- 4 A Novel Approach to Assessing Head Injury Severity in Pediatric Patient Falls. *Journal of Pediatric Health Care*, **2018**, 32, e59-e66 1.4
- 3 Force- and Velocity-Profile Differences Between Good and Poor Countermovement Vertical Jumpers. *Medicine and Science in Sports and Exercise*, **2018**, 50, 686 1.2
- 2 Comparison of Peak Plantar Pressure and Peak Pressure Gradient among Patients with Prediabetes and Diabetes. *Diabetes*, **2018**, 67, 40-LB 0.9
- 1 Numerical simulation of multi-phase phenomena in IVR related processes. *Kerntechnik*, **2016**, 81, 160-163 0.4