

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.

113 papers	2,591 citations	28 h-index	49 g-index
136 ext. papers	2,956 ext. citations	2.7 avg, IF	5.17 L-index

#	Paper	IF	Citations
113	Contribution of Urban Destinations to Physical Activity. <i>International Journal of Applied Geospatial Research</i> , <b>2022</b> , 13, 1-17	0.6	
112	Running ground reaction force complexity at the initial stance phase increased with ageing. <i>Sports Biomechanics</i> , <b>2021</b> , 20, 619-628	2.2	3
111	The Relationship Between the Contact Force at the Ankle Hook and the Hamstring Muscle Force During the Nordic Hamstring Exercise. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 623126	4.6	2
110	Effects of a 16-week Tai Chi intervention on cutaneous sensitivity and proprioception among older adults with and without sensory loss. <i>Research in Sports Medicine</i> , <b>2021</b> , 29, 406-416	3.8	4
109	Paired nonlinear behavior of active and passive joint torques associated with preparation for walk-to-run gait transition. <i>Journal of Electromyography and Kinesiology</i> , <b>2021</b> , 57, 102527	2.5	1
108	Association of Chronic Pain With Participation in Motor Skill Activities in Children With Cerebral Palsy. <i>JAMA Network Open</i> , <b>2021</b> , 4, e2115970	10.4	0
107	Caution needed when interpreting muscle activity patterns during extremely low pedaling cadence. <i>Journal of Sport and Health Science</i> , <b>2021</b> , 10, 107-108	8.2	
106	Tai Chi practitioners have lower fall risks under dual-task conditions during stair descending. <i>PLoS ONE</i> , <b>2021</b> , 16, e0246292	3.7	4
105	Effects Of Aquatic Therapy On Motor Function Among Preschool Children With Spastic Cerebral Palsy. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 169-169	1.2	
104	The Effects Of Peripheral Nerve Degeneration On Walking Kinematics. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 133-133	1.2	
103	Tai Chi Improves Cutaneous Sensitivity And Proprioception Among Older Adults With And Without Sensory Loss. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 232-232	1.2	0
102	The Effect Of Foot Sole Sensitivity On Lateral Gastrocnemius H-reflex Modulation During Walking Stance Phase. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 134-134	1.2	
101	Correlation Between Postural Control And Muscle Strength Among Older Adults. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 170-170	1.2	
100	Relationship of proprioception, cutaneous sensitivity, and muscle strength with the balance control among older adults. <i>Journal of Sport and Health Science</i> , <b>2021</b> , 10, 585-593	8.2	8
99	Leg and Joint Stiffness Adaptations to Minimalist and Maximalist Running Shoes. <i>Journal of Applied Biomechanics</i> , <b>2021</b> , 37, 408-414	1.2	2
98	Dynamic Core Flexion Strength is Important for Using Arm-Swing to Improve Countermovement Jump Height. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7676	2.6	1
97	Proprioceptive neuromuscular facilitation improves pain and descending mechanics among elderly with knee osteoarthritis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2020</b> , 30, 1655-1663	4.6	8

96	Effects of a Dual-Task Paradigm and Gait Velocity on Dynamic Gait Stability during Stair Descent. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1979	2.6	2
95	Kinematic and Coordination Variability in Runners with and Without Patellofemoral Pain. <i>International Journal of Kinesiology and Sports Science</i> , <b>2020</b> , 8, 58	1.4	3
94	Regular Aerobic Exercise-Alleviated Dysregulation of CAMKII $\beta$ Carbonylation to Mitigate Parkinsonism via Homeostasis of Apoptosis With Autophagy. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2020</b> , 79, 46-61	3.1	5
93	The effect of Tai Chi exercise on postural time-to-contact in manual fitting task among older adults. <i>Gait and Posture</i> , <b>2020</b> , 82, 61-67	2.6	
92	Gait & posture: Fatigue, fatigability, and muscle torque reduction. <i>Gait and Posture</i> , <b>2020</b> ,	2.6	
91	Using participatory action research to examine barriers and facilitators to physical activity among rural adolescents with cerebral palsy. <i>Disability and Rehabilitation</i> , <b>2020</b> , 42, 3838-3849	2.4	9
90	Community-Based Upper Extremity Power Training for Youth with Cerebral Palsy: A Pilot Study. <i>Physical and Occupational Therapy in Pediatrics</i> , <b>2020</b> , 40, 31-46	2.1	1
89	Cycling with Low Saddle Height is Related to Increased Knee Adduction Moments in Healthy Recreational Cyclists. <i>European Journal of Sport Science</i> , <b>2020</b> , 20, 461-467	3.9	4
88	The contribution of small and large sensory afferents to postural control in patients with peripheral neuropathy. <i>Journal of Sport and Health Science</i> , <b>2019</b> , 8, 218-227	8.2	14
87	MicroRNA Expression Profiling Screen miR-3557/324-Targeted in the Rat Striatum of Parkinson's Disease in Regular Aerobic Exercise. <i>BioMed Research International</i> , <b>2019</b> , 2019, 7654798	3	7
86	The balance of apoptosis and autophagy via regulation of the AMPK signal pathway in aging rat striatum during regular aerobic exercise. <i>Experimental Gerontology</i> , <b>2019</b> , 124, 110647	4.5	12
85	Novel Evidence Of Cortical Control In Severe Slip Responses. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 689-689	1.2	
84	Modified Supine Bridge Alters Muscle Coordination Patterns. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 144-144	1.2	
83	Lead Leg Corrective Responses to Varying Slip Severity. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 687-687	1.2	
82	Muscle Excitation During A Weighted And Unweighted Supine Bridge (a Pilot Study). <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 51-51	1.2	
81	Physical Activity Can Help Seniors with Diabetic Foot. <i>Current Sports Medicine Reports</i> , <b>2019</b> , 18, 429-430	1.9	
80	Examination of the Influence of Lead Leg Recovery Mechanics on Slip Induced Outcomes. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 687-687	1.2	
79	Comparing impact on the family and insurance coverage in children with cerebral palsy and children with another special healthcare need. <i>Child: Care, Health and Development</i> , <b>2018</b> , 44, 370-377	2.8	6

78	Letter to the Editor: A Functional MRI Exploration of Hamstring Activation During the Supine Bridge Exercise. <i>International Journal of Sports Medicine</i> , <b>2018</b> , 39, 407	3.6	
77	Long-term Tai Chi practitioners have superior body stability under dual task condition during stair ascent. <i>Gait and Posture</i> , <b>2018</b> , 66, 124-129	2.6	4
76	Stretch Could Reduce Hamstring Injury Risk During Sprinting by Right Shifting the Length-Torque Curve. <i>Journal of Strength and Conditioning Research</i> , <b>2018</b> , 32, 2190-2198	3.2	4
75	Long-term Tai Chi Exercise Lead to Enhanced Resistance Postural Perturbation Among Older Adults. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 372	1.2	
74	Repetitive Trunk Loading Leads to Faster Trunk Movement in Response to External Perturbation. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 571-572	1.2	
73	Nordic Exercise Should Not Be Used for Predictive Modeling of Hamstring Injuries. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 2614	1.2	2
72	Proteomic Profile of Carbonylated Proteins Screen Regulation of Apoptosis via CaMK Signaling in Response to Regular Aerobic Exercise. <i>BioMed Research International</i> , <b>2018</b> , 2018, 2828143	3	5
71	Repetitive trunk loading leads to faster trunk movement in response to external perturbation. <i>Journal of Biomechanics</i> , <b>2018</b> , 80, 95-101	2.9	
70	Non-linear changes of lower extremity kinetics prior to gait transition. <i>Journal of Biomechanics</i> , <b>2018</b> , 77, 48-54	2.9	6
69	Innovative running-related researches. <i>Journal of Sport and Health Science</i> , <b>2017</b> , 6, 145	8.2	1
68	Parallel and cross-sectional hamstring injuries in sprint running. <i>Journal of Sport and Health Science</i> , <b>2017</b> , 6, 141-142	8.2	5
67	Shoe cushioning reduces impact and muscle activation during landings from unexpected, but not self-initiated, drops. <i>Journal of Science and Medicine in Sport</i> , <b>2017</b> , 20, 915-920	4.4	19
66	The Differential Effects of Footwear on Sample Entropy of Ground Reaction Force during Running. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 135	1.2	
65	Urban vs. rural differences in insurance coverage and impact on employment among families caring for a child with cerebral palsy. <i>Cogent Medicine</i> , <b>2017</b> , 4, 1321159	1.4	3
64	Effect Of Cadence And Gender On Pedaling Technique of Youth Cyclists At Constant Power Output. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 377	1.2	
63	The Effects of Body Mass on Optimal Load for Power During Resistance Training. <i>Sports Medicine</i> , <b>2016</b> , 46, 443-5	10.6	1
62	Tai Chi training reduced coupling between respiration and postural control. <i>Neuroscience Letters</i> , <b>2016</b> , 610, 60-5	3.3	10
61	Tai Chi Can Improve Postural Stability as Measured by Resistance to Perturbation Related to Upper Limb Movement among Healthy Older Adults. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2016</b> , 2016, 9710941	2.3	2

60	Reliability of nerve function assessments for people with peripheral neuropathy. <i>International Journal of Neuroscience</i> , <b>2015</b> , 125, 201-7	2	2
59	Running Variability Could Change with Aging and Running Speed. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 2248	1.2	3
58	H-index is important for postural control for people with impaired foot sole sensation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121847	3.7	6
57	How joint torques affect hamstring injury risk in sprinting swing-stance transition. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 373-80	1.2	33
56	The financial burden of physical inactivity. <i>Journal of Sport and Health Science</i> , <b>2014</b> , 3, 58-59	8.2	9
55	Benefits of exercise intervention in reducing neuropathic pain. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 102	6.1	70
54	Improper trunk rotation sequence is associated with increased maximal shoulder external rotation angle and shoulder joint force in high school baseball pitchers. <i>American Journal of Sports Medicine</i> , <b>2014</b> , 42, 2089-94	6.8	81
53	Complexity-based measures inform Tai Chi's impact on standing postural control in older adults with peripheral neuropathy. <i>BMC Complementary and Alternative Medicine</i> , <b>2013</b> , 13, 87	4.7	29
52	Segment-interaction and its relevance to the control of movement during sprinting. <i>Journal of Biomechanics</i> , <b>2013</b> , 46, 2018-23	2.9	15
51	The differential effects of foot sole sensory on plantar pressure distribution between balance and gait. <i>Gait and Posture</i> , <b>2013</b> , 37, 532-5	2.6	39
50	Determination of biomechanical differences between elite and novice SanShou female athletes. <i>Journal of Exercise Science and Fitness</i> , <b>2013</b> , 11, 25-28	3.1	1
49	Environmental context affects outcome and kinematic changes at different rates during skill learning. <i>Perceptual and Motor Skills</i> , <b>2013</b> , 116, 953-68	2.2	6
48	Effect of excessive contralateral trunk tilt on pitching biomechanics and performance in high school baseball pitchers. <i>American Journal of Sports Medicine</i> , <b>2013</b> , 41, 2430-8	6.8	82
47	Mini Review: linkages between essential tremor and Parkinson's disease?. <i>Frontiers in Cellular Neuroscience</i> , <b>2013</b> , 7, 118	6.1	5
46	People can live longer by being physically more active. <i>Journal of Sport and Health Science</i> , <b>2012</b> , 1, 7-8	8.2	2
45	Muscular activity characteristics associated with preparation for gait transition. <i>Journal of Sport and Health Science</i> , <b>2012</b> , 1, 27-35	8.2	12
44	Endurance tests are the most reliable core stability related measurements. <i>Journal of Sport and Health Science</i> , <b>2012</b> , 1, 121-128	8.2	38
43	Select exercise modalities may reverse movement dysfunction because of peripheral neuropathy. <i>Exercise and Sport Sciences Reviews</i> , <b>2012</b> , 40, 133-7	6.7	14

42	How Can Sport Biomechanics Contribute to the Advance of World Record and Best Athletic Performance?. <i>Measurement in Physical Education and Exercise Science</i> , <b>2012</b> , 16, 194-202	1.9	6
41	Acute stretching increases postural stability in nonbalance trained individuals. <i>Journal of Strength and Conditioning Research</i> , <b>2012</b> , 26, 3095-100	3.2	17
40	Long term Tai Chi exercise improves physical performance among people with peripheral neuropathy. <i>The American Journal of Chinese Medicine</i> , <b>2010</b> , 38, 449-59	6	48
39	Approach run increases preactivation and eccentric phases muscle activity during drop jumps from different drop heights. <i>Journal of Electromyography and Kinesiology</i> , <b>2010</b> , 20, 932-8	2.5	25
38	Age-related and sensory declines offer insight to whole body control during a goal-directed movement. <i>Motor Control</i> , <b>2010</b> , 14, 176-94	1.3	4
37	Mechanomyography is more sensitive than EMG in detecting age-related sarcopenia. <i>Journal of Biomechanics</i> , <b>2010</b> , 43, 551-6	2.9	25
36	The effect of Neuragen PN on neuropathic pain: A randomized, double blind, placebo controlled clinical trial. <i>BMC Complementary and Alternative Medicine</i> , <b>2010</b> , 10, 22	4.7	11
35	Contributors to fatigue resistance of the hamstrings and quadriceps in cerebral palsy. <i>Clinical Biomechanics</i> , <b>2009</b> , 24, 355-60	2.2	21
34	Characteristics of functional gait among people with and without peripheral neuropathy. <i>Gait and Posture</i> , <b>2009</b> , 30, 253-6	2.6	39
33	Interaction of viscoelastic tissue compliance with lumbar muscles during passive cyclic flexion-extension. <i>Journal of Electromyography and Kinesiology</i> , <b>2009</b> , 19, 30-8	2.5	32
32	Differential effects of plantar desensitization on locomotion dynamics. <i>Journal of Electromyography and Kinesiology</i> , <b>2009</b> , 19, e320-8	2.5	14
31	Fatigue resistance during a voluntary performance task is associated with lower levels of mobility in cerebral palsy. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2008</b> , 89, 2011-6	2.8	46
30	The reliability of physical performance measures in peripheral neuropathy. <i>Gait and Posture</i> , <b>2008</b> , 28, 343-6	2.6	18
29	Influence of a Horizontal Approach on the Mechanical Output During Drop Jumps. <i>Research Quarterly for Exercise and Sport</i> , <b>2008</b> , 79, 1-9	1.9	24
28	The relationship between discus throwing performance and combinations of selected technical parameters. <i>Sports Biomechanics</i> , <b>2008</b> , 7, 173-93	2.2	23
27	A feasible and reliable muscle fatigue assessment protocol for individuals with cerebral palsy. <i>Pediatric Physical Therapy</i> , <b>2008</b> , 20, 59-65	0.9	19
26	A proposed method for determining peak power in the jump squat exercise. <i>Journal of Strength and Conditioning Research</i> , <b>2008</b> , 22, 326-31	3.2	10
25	Faster walking speeds increase local instability among people with peripheral neuropathy. <i>Journal of Biomechanics</i> , <b>2008</b> , 41, 2787-92	2.9	28

24	Neuromuscular response to cyclic lumbar twisting. <i>Human Factors</i> , <b>2007</b> , 49, 820-9	3.8	10
23	Stance and sensory feedback influence on postural dynamics. <i>Neuroscience Letters</i> , <b>2007</b> , 423, 104-8	3.3	34
22	Flexion-relaxation response to gravity. <i>Journal of Biomechanics</i> , <b>2006</b> , 39, 2545-54	2.9	51
21	Determination of critical parameters among elite female shot putters. <i>Sports Biomechanics</i> , <b>2005</b> , 4, 131-48	2.8	20
20	Progression of knee joint kinematics in children with cerebral palsy with and without rectus femoris transfers: a long-term follow up. <i>Gait and Posture</i> , <b>2005</b> , 22, 132-7	2.6	32
19	Stability and variability may respond differently to changes in walking speed. <i>Human Movement Science</i> , <b>2005</b> , 24, 257-67	2.4	44
18	Hamstring muscle kinematics during treadmill sprinting. <i>Medicine and Science in Sports and Exercise</i> , <b>2005</b> , 37, 108-14	1.2	196
17	Neuromuscular control and coordination during cycling. <i>Research Quarterly for Exercise and Sport</i> , <b>2004</b> , 75, 16-22	1.9	18
16	Frequency-dependent changes in neuromuscular responses to cyclic lumbar flexion. <i>Journal of Biomechanics</i> , <b>2004</b> , 37, 845-55	2.9	21
15	Flexion-relaxation response to cyclic lumbar flexion. <i>Clinical Biomechanics</i> , <b>2004</b> , 19, 769-76	2.2	95
14	Electromechanical delay estimated by using electromyography during cycling at different pedaling frequencies. <i>Journal of Electromyography and Kinesiology</i> , <b>2004</b> , 14, 647-52	2.5	44
13	Verbal and Visual Instruction in Motor Skill Acquisition for Persons with and Without Down Syndrome. <i>Adapted Physical Activity Quarterly</i> , <b>2003</b> , 20, 57-69	1.7	9
12	Lower extremity muscle activities during cycling are influenced by load and frequency. <i>Journal of Electromyography and Kinesiology</i> , <b>2003</b> , 13, 181-90	2.5	85
11	Characteristics of the vertical ground reaction force component prior to gait transition. <i>Research Quarterly for Exercise and Sport</i> , <b>2002</b> , 73, 229-37	1.9	31
10	The function of gastrocnemius as a knee flexor at selected knee and ankle angles. <i>Journal of Electromyography and Kinesiology</i> , <b>2002</b> , 12, 385-90	2.5	36
9	Interactions between human explicit and implicit perceptual motor learning shown by kinematic variables. <i>Neuroscience Letters</i> , <b>2002</b> , 327, 66-70	3.3	3
8	Stability Landscapes of Walking and Running Near Gait Transition Speed. <i>Journal of Applied Biomechanics</i> , <b>2000</b> , 16, 428-435	1.2	38
7	How strongly is muscle activity associated with joint moments?. <i>Motor Control</i> , <b>2000</b> , 4, 53-9; discussion 97-116	1.3	4

6	Coordination patterns of walking and running at similar speed and stride frequency. <i>Human Movement Science</i> , <b>1999</b> , 18, 67-85	2.4	76
5	Coefficient of cross correlation and the time domain correspondence. <i>Journal of Electromyography and Kinesiology</i> , <b>1999</b> , 9, 385-9	2.5	86
4	A dynamical systems approach to lower extremity running injuries. <i>Clinical Biomechanics</i> , <b>1999</b> , 14, 297-308	3.0	463
3	Lower Extremity Joint Moments during Uphill Cycling. <i>Journal of Applied Biomechanics</i> , <b>1999</b> , 15, 166-181	1.2	26
2	Pedal and Crank Kinetics in Uphill Cycling. <i>Journal of Applied Biomechanics</i> , <b>1998</b> , 14, 245-259	1.2	42
1	Muscle coordination in cycling: effect of surface incline and posture. <i>Journal of Applied Physiology</i> , <b>1998</b> , 85, 927-34	3.7	97