

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.

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|--------------------|-------------------------|----------------|-----------------|
| 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 | A dynamical systems approach to lower extremity running injuries. <i>Clinical Biomechanics</i> , 1999 , 14, 297-308 | 3.8 | 463 |
| 112 | Hamstring muscle kinematics during treadmill sprinting. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 108-14 | 1.2 | 196 |
| 111 | Muscle coordination in cycling: effect of surface incline and posture. <i>Journal of Applied Physiology</i> , 1998 , 85, 927-34 | 3.7 | 97 |
| 110 | Flexion-relaxation response to cyclic lumbar flexion. <i>Clinical Biomechanics</i> , 2004 , 19, 769-76 | 2.2 | 95 |
| 109 | Coefficient of cross correlation and the time domain correspondence. <i>Journal of Electromyography and Kinesiology</i> , 1999 , 9, 385-9 | 2.5 | 86 |
| 108 | Lower extremity muscle activities during cycling are influenced by load and frequency. <i>Journal of Electromyography and Kinesiology</i> , 2003 , 13, 181-90 | 2.5 | 85 |
| 107 | Effect of excessive contralateral trunk tilt on pitching biomechanics and performance in high school baseball pitchers. <i>American Journal of Sports Medicine</i> , 2013 , 41, 2430-8 | 6.8 | 82 |
| 106 | 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> , 2014 , 42, 2089-94 | 6.8 | 81 |
| 105 | Coordination patterns of walking and running at similar speed and stride frequency. <i>Human Movement Science</i> , 1999 , 18, 67-85 | 2.4 | 76 |
| 104 | Benefits of exercise intervention in reducing neuropathic pain. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 102 | 6.1 | 70 |
| 103 | Flexion-relaxation response to gravity. <i>Journal of Biomechanics</i> , 2006 , 39, 2545-54 | 2.9 | 51 |
| 102 | Long term Tai Chi exercise improves physical performance among people with peripheral neuropathy. <i>The American Journal of Chinese Medicine</i> , 2010 , 38, 449-59 | 6 | 48 |
| 101 | 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> , 2008 , 89, 2011-6 | 2.8 | 46 |
| 100 | Electromechanical delay estimated by using electromyography during cycling at different pedaling frequencies. <i>Journal of Electromyography and Kinesiology</i> , 2004 , 14, 647-52 | 2.5 | 44 |
| 99 | Stability and variability may respond differently to changes in walking speed. <i>Human Movement Science</i> , 2005 , 24, 257-67 | 2.4 | 44 |
| 98 | Pedal and Crank Kinetics in Uphill Cycling. <i>Journal of Applied Biomechanics</i> , 1998 , 14, 245-259 | 1.2 | 42 |
| 97 | The differential effects of foot sole sensory on plantar pressure distribution between balance and gait. <i>Gait and Posture</i> , 2013 , 37, 532-5 | 2.6 | 39 |

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|----|---|-----|----|
| 96 | Characteristics of functional gait among people with and without peripheral neuropathy. <i>Gait and Posture</i> , 2009 , 30, 253-6 | 2.6 | 39 |
| 95 | Endurance tests are the most reliable core stability related measurements. <i>Journal of Sport and Health Science</i> , 2012 , 1, 121-128 | 8.2 | 38 |
| 94 | Stability Landscapes of Walking and Running Near Gait Transition Speed. <i>Journal of Applied Biomechanics</i> , 2000 , 16, 428-435 | 1.2 | 38 |
| 93 | The function of gastrocnemius as a knee flexor at selected knee and ankle angles. <i>Journal of Electromyography and Kinesiology</i> , 2002 , 12, 385-90 | 2.5 | 36 |
| 92 | Stance and sensory feedback influence on postural dynamics. <i>Neuroscience Letters</i> , 2007 , 423, 104-8 | 3.3 | 34 |
| 91 | How joint torques affect hamstring injury risk in sprinting swing-stance transition. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 373-80 | 1.2 | 33 |
| 90 | Interaction of viscoelastic tissue compliance with lumbar muscles during passive cyclic flexion-extension. <i>Journal of Electromyography and Kinesiology</i> , 2009 , 19, 30-8 | 2.5 | 32 |
| 89 | 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> , 2005 , 22, 132-7 | 2.6 | 32 |
| 88 | Characteristics of the vertical ground reaction force component prior to gait transition. <i>Research Quarterly for Exercise and Sport</i> , 2002 , 73, 229-37 | 1.9 | 31 |
| 87 | 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> , 2013 , 13, 87 | 4.7 | 29 |
| 86 | Faster walking speeds increase local instability among people with peripheral neuropathy. <i>Journal of Biomechanics</i> , 2008 , 41, 2787-92 | 2.9 | 28 |
| 85 | Lower Extremity Joint Moments during Uphill Cycling. <i>Journal of Applied Biomechanics</i> , 1999 , 15, 166-181 | 1.2 | 26 |
| 84 | Approach run increases preactivation and eccentric phases muscle activity during drop jumps from different drop heights. <i>Journal of Electromyography and Kinesiology</i> , 2010 , 20, 932-8 | 2.5 | 25 |
| 83 | Mechanomyography is more sensitive than EMG in detecting age-related sarcopenia. <i>Journal of Biomechanics</i> , 2010 , 43, 551-6 | 2.9 | 25 |
| 82 | Influence of a Horizontal Approach on the Mechanical Output During Drop Jumps. <i>Research Quarterly for Exercise and Sport</i> , 2008 , 79, 1-9 | 1.9 | 24 |
| 81 | The relationship between discus throwing performance and combinations of selected technical parameters. <i>Sports Biomechanics</i> , 2008 , 7, 173-93 | 2.2 | 23 |
| 80 | Contributors to fatigue resistance of the hamstrings and quadriceps in cerebral palsy. <i>Clinical Biomechanics</i> , 2009 , 24, 355-60 | 2.2 | 21 |
| 79 | Frequency-dependent changes in neuromuscular responses to cyclic lumbar flexion. <i>Journal of Biomechanics</i> , 2004 , 37, 845-55 | 2.9 | 21 |

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| 78 | Determination of critical parameters among elite female shot putters. <i>Sports Biomechanics</i> , 2005 , 4, 131-48 | 2.0 |
| 77 | 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> , 2017 , 20, 915-920 | 4.4 19 |
| 76 | A feasible and reliable muscle fatigue assessment protocol for individuals with cerebral palsy. <i>Pediatric Physical Therapy</i> , 2008 , 20, 59-65 | 0.9 19 |
| 75 | The reliability of physical performance measures in peripheral neuropathy. <i>Gait and Posture</i> , 2008 , 28, 343-6 | 2.6 18 |
| 74 | Neuromuscular control and coordination during cycling. <i>Research Quarterly for Exercise and Sport</i> , 2004 , 75, 16-22 | 1.9 18 |
| 73 | Acute stretching increases postural stability in nonbalance trained individuals. <i>Journal of Strength and Conditioning Research</i> , 2012 , 26, 3095-100 | 3.2 17 |
| 72 | Segment-interaction and its relevance to the control of movement during sprinting. <i>Journal of Biomechanics</i> , 2013 , 46, 2018-23 | 2.9 15 |
| 71 | The contribution of small and large sensory afferents to postural control in patients with peripheral neuropathy. <i>Journal of Sport and Health Science</i> , 2019 , 8, 218-227 | 8.2 14 |
| 70 | Select exercise modalities may reverse movement dysfunction because of peripheral neuropathy. <i>Exercise and Sport Sciences Reviews</i> , 2012 , 40, 133-7 | 6.7 14 |
| 69 | Differential effects of plantar desensitization on locomotion dynamics. <i>Journal of Electromyography and Kinesiology</i> , 2009 , 19, e320-8 | 2.5 14 |
| 68 | 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> , 2019 , 124, 110647 | 4.5 12 |
| 67 | Muscular activity characteristics associated with preparation for gait transition. <i>Journal of Sport and Health Science</i> , 2012 , 1, 27-35 | 8.2 12 |
| 66 | The effect of Neuragen PN on neuropathic pain: A randomized, double blind, placebo controlled clinical trial. <i>BMC Complementary and Alternative Medicine</i> , 2010 , 10, 22 | 4.7 11 |
| 65 | Tai Chi training reduced coupling between respiration and postural control. <i>Neuroscience Letters</i> , 2016 , 610, 60-5 | 3.3 10 |
| 64 | A proposed method for determining peak power in the jump squat exercise. <i>Journal of Strength and Conditioning Research</i> , 2008 , 22, 326-31 | 3.2 10 |
| 63 | Neuromuscular response to cyclic lumbar twisting. <i>Human Factors</i> , 2007 , 49, 820-9 | 3.8 10 |
| 62 | The financial burden of physical inactivity. <i>Journal of Sport and Health Science</i> , 2014 , 3, 58-59 | 8.2 9 |
| 61 | Verbal and Visual Instruction in Motor Skill Acquisition for Persons with and Without Down Syndrome. <i>Adapted Physical Activity Quarterly</i> , 2003 , 20, 57-69 | 1.7 9 |

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| 60 | Using participatory action research to examine barriers and facilitators to physical activity among rural adolescents with cerebral palsy. <i>Disability and Rehabilitation</i> , 2020 , 42, 3838-3849 | 2.4 | 9 |
| 59 | Proprioceptive neuromuscular facilitation improves pain and descending mechanics among elderly with knee osteoarthritis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020 , 30, 1655-1663 | 4.6 | 8 |
| 58 | Relationship of proprioception, cutaneous sensitivity, and muscle strength with the balance control among older adults. <i>Journal of Sport and Health Science</i> , 2021 , 10, 585-593 | 8.2 | 8 |
| 57 | 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> , 2019 , 2019, 7654798 | 3 | 7 |
| 56 | 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> , 2018 , 44, 370-377 | 2.8 | 6 |
| 55 | H-index is important for postural control for people with impaired foot sole sensation. <i>PLoS ONE</i> , 2015 , 10, e0121847 | 3.7 | 6 |
| 54 | Environmental context affects outcome and kinematic changes at different rates during skill learning. <i>Perceptual and Motor Skills</i> , 2013 , 116, 953-68 | 2.2 | 6 |
| 53 | How Can Sport Biomechanics Contribute to the Advance of World Record and Best Athletic Performance?. <i>Measurement in Physical Education and Exercise Science</i> , 2012 , 16, 194-202 | 1.9 | 6 |
| 52 | Non-linear changes of lower extremity kinetics prior to gait transition. <i>Journal of Biomechanics</i> , 2018 , 77, 48-54 | 2.9 | 6 |
| 51 | Parallel and cross-sectional hamstring injuries in sprint running. <i>Journal of Sport and Health Science</i> , 2017 , 6, 141-142 | 8.2 | 5 |
| 50 | Mini Review: linkages between essential tremor and Parkinson's disease?. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 118 | 6.1 | 5 |
| 49 | Regular Aerobic Exercise-Alleviated Dysregulation of CAMKII β Carbonylation to Mitigate Parkinsonism via Homeostasis of Apoptosis With Autophagy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020 , 79, 46-61 | 3.1 | 5 |
| 48 | Proteomic Profile of Carbonylated Proteins Screen Regulation of Apoptosis via CaMK Signaling in Response to Regular Aerobic Exercise. <i>BioMed Research International</i> , 2018 , 2018, 2828143 | 3 | 5 |
| 47 | Long-term Tai Chi practitioners have superior body stability under dual task condition during stair ascent. <i>Gait and Posture</i> , 2018 , 66, 124-129 | 2.6 | 4 |
| 46 | Stretch Could Reduce Hamstring Injury Risk During Sprinting by Right Shifting the Length-Torque Curve. <i>Journal of Strength and Conditioning Research</i> , 2018 , 32, 2190-2198 | 3.2 | 4 |
| 45 | Age-related and sensory declines offer insight to whole body control during a goal-directed movement. <i>Motor Control</i> , 2010 , 14, 176-94 | 1.3 | 4 |
| 44 | How strongly is muscle activity associated with joint moments?. <i>Motor Control</i> , 2000 , 4, 53-9; discussion 97-116 | 1.3 | 4 |
| 43 | 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> , 2021 , 29, 406-416 | 3.8 | 4 |

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| 42 | Cycling with Low Saddle Height is Related to Increased Knee Adduction Moments in Healthy Recreational Cyclists. <i>European Journal of Sport Science</i> , 2020 , 20, 461-467 | 3.9 | 4 |
| 41 | Tai Chi practitioners have lower fall risks under dual-task conditions during stair descending. <i>PLoS ONE</i> , 2021 , 16, e0246292 | 3.7 | 4 |
| 40 | Running ground reaction force complexity at the initial stance phase increased with ageing. <i>Sports Biomechanics</i> , 2021 , 20, 619-628 | 2.2 | 3 |
| 39 | Urban vs. rural differences in insurance coverage and impact on employment among families caring for a child with cerebral palsy. <i>Cogent Medicine</i> , 2017 , 4, 1321159 | 1.4 | 3 |
| 38 | Running Variability Could Change with Aging and Running Speed. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 2248 | 1.2 | 3 |
| 37 | Interactions between human explicit and implicit perceptual motor learning shown by kinematic variables. <i>Neuroscience Letters</i> , 2002 , 327, 66-70 | 3.3 | 3 |
| 36 | Kinematic and Coordination Variability in Runners with and Without Patellofemoral Pain. <i>International Journal of Kinesiology and Sports Science</i> , 2020 , 8, 58 | 1.4 | 3 |
| 35 | Reliability of nerve function assessments for people with peripheral neuropathy. <i>International Journal of Neuroscience</i> , 2015 , 125, 201-7 | 2 | 2 |
| 34 | Effects of a Dual-Task Paradigm and Gait Velocity on Dynamic Gait Stability during Stair Descent. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1979 | 2.6 | 2 |
| 33 | People can live longer by being physically more activity. <i>Journal of Sport and Health Science</i> , 2012 , 1, 7-8 | 8.2 | 2 |
| 32 | 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> , 2021 , 12, 623126 | 4.6 | 2 |
| 31 | 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> , 2016 , 2016, 9710941 | 2.3 | 2 |
| 30 | Nordic Exercise Should Not Be Used for Predictive Modeling of Hamstring Injuries. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2614 | 1.2 | 2 |
| 29 | Leg and Joint Stiffness Adaptations to Minimalist and Maximalist Running Shoes. <i>Journal of Applied Biomechanics</i> , 2021 , 37, 408-414 | 1.2 | 2 |
| 28 | Innovative running-related researches. <i>Journal of Sport and Health Science</i> , 2017 , 6, 145 | 8.2 | 1 |
| 27 | Dynamic Core Flexion Strength is Important for Using Arm-Swing to Improve Countermovement Jump Height. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7676 | 2.6 | 1 |
| 26 | The Effects of Body Mass on Optimal Load for Power During Resistance Training. <i>Sports Medicine</i> , 2016 , 46, 443-5 | 10.6 | 1 |
| 25 | Determination of biomechanical differences between elite and novice SanShou female athletes. <i>Journal of Exercise Science and Fitness</i> , 2013 , 11, 25-28 | 3.1 | 1 |

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| 24 | 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> , 2021 , 57, 102527 | 2.5 | 1 |
| 23 | Community-Based Upper Extremity Power Training for Youth with Cerebral Palsy: A Pilot Study. <i>Physical and Occupational Therapy in Pediatrics</i> , 2020 , 40, 31-46 | 2.1 | 1 |
| 22 | Association of Chronic Pain With Participation in Motor Skill Activities in Children With Cerebral Palsy. <i>JAMA Network Open</i> , 2021 , 4, e2115970 | 10.4 | 0 |
| 21 | Tai Chi Improves Cutaneous Sensitivity And Proprioception Among Older Adults With And Without Sensory Loss. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 232-232 | 1.2 | 0 |
| 20 | Letter to the Editor: A Functional MRI Exploration of Hamstring Activation During the Supine Bridge Exercise. <i>International Journal of Sports Medicine</i> , 2018 , 39, 407 | 3.6 | |
| 19 | The Differential Effects of Footwear on Sample Entropy of Ground Reaction Force during Running. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 135 | 1.2 | |
| 18 | Long-term Tai Chi Exercise Lead to Enhanced Resistance Postural Perturbation Among Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 372 | 1.2 | |
| 17 | Repetitive Trunk Loading Leads to Faster Trunk Movement in Response to External Perturbation. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 571-572 | 1.2 | |
| 16 | Novel Evidence Of Cortical Control In Severe Slip Responses. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 689-689 | 1.2 | |
| 15 | Modified Supine Bridge Alters Muscle Coordination Patterns. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 144-144 | 1.2 | |
| 14 | Lead Leg Corrective Responses to Varying Slip Severity. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 687-687 | 1.2 | |
| 13 | Effect Of Cadence And Gender On Pedaling Technique of Youth Cyclists At Constant Power Output. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 377 | 1.2 | |
| 12 | The effect of Tai Chi exercise on postural time-to-contact in manual fitting task among older adults. <i>Gait and Posture</i> , 2020 , 82, 61-67 | 2.6 | |
| 11 | Gait & posture: Fatigue, fatigability, and muscle torque reduction. <i>Gait and Posture</i> , 2020 , | 2.6 | |
| 10 | Muscle Excitation During A Weighted And Unweighted Supine Bridge (a Pilot Study). <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 51-51 | 1.2 | |
| 9 | Physical Activity Can Help Seniors with Diabetic Foot. <i>Current Sports Medicine Reports</i> , 2019 , 18, 429-430 | 1.9 | |
| 8 | Examination of the Influence of Lead Leg Recovery Mechanics on Slip Induced Outcomes. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 687-687 | 1.2 | |
| 7 | Caution needed when interpreting muscle activity patterns during extremely low pedaling cadence. <i>Journal of Sport and Health Science</i> , 2021 , 10, 107-108 | 8.2 | |

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| 6 | Repetitive trunk loading leads to faster trunk movement in response to external perturbation. <i>Journal of Biomechanics</i> , 2018 , 80, 95-101 | 2.9 |
| 5 | Effects Of Aquatic Therapy On Motor Function Among Preschool Children With Spastic Cerebral Palsy. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 169-169 | 1.2 |
| 4 | The Effects Of Peripheral Nerve Degeneration On Walking Kinematics. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 133-133 | 1.2 |
| 3 | 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> , 2021 , 53, 134-134 | 1.2 |
| 2 | Correlation Between Postural Control And Muscle Strength Among Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 170-170 | 1.2 |
| 1 | Contribution of Urban Destinations to Physical Activity. <i>International Journal of Applied Geospatial Research</i> , 2022 , 13, 1-17 | 0.6 |