

Alan R Needle

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

904
citations

471477

17
h-index

477281

29
g-index

43
all docs

43
docs citations

43
times ranked

845
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Central Nervous System Adaptation After Ligamentous Injury: a Summary of Theories, Evidence, and Clinical Interpretation. <i>Sports Medicine</i> , 2017, 47, 1271-1288. | 6.5 | 154 |
| 2 | Neuromechanical coupling in the regulation of muscle tone and joint stiffness. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, 737-748. | 2.9 | 53 |
| 3 | The use of a single inertial sensor to estimate 3-dimensional ground reaction force during accelerative running tasks. <i>Journal of Biomechanics</i> , 2017, 61, 263-268. | 2.1 | 53 |
| 4 | Effect of Elastic Taping on Postural Control Deficits in Subjects With Healthy Ankles, Copers, and Individuals With Functional Ankle Instability. <i>Foot and Ankle International</i> , 2013, 34, 1427-1435. | 2.3 | 50 |
| 5 | Ability of Functional Performance Tests to Identify Individuals With Chronic Ankle Instability: A Systematic Review With Meta-Analysis. <i>Clinical Journal of Sport Medicine</i> , 2019, 29, 509-522. | 1.8 | 44 |
| 6 | The Effects of Ankle Kinesio® Taping on Ankle Stiffness and Dynamic Balance. <i>Research in Sports Medicine</i> , 2013, 21, 204-216. | 1.3 | 43 |
| 7 | Brain Regulation of Muscle Tone in Healthy and Functionally Unstable Ankles. <i>Journal of Sport Rehabilitation</i> , 2013, 22, 202-211. | 1.0 | 40 |
| 8 | Prevention of Lateral Ankle Sprains. <i>Journal of Athletic Training</i> , 2019, 54, 650-661. | 1.8 | 40 |
| 9 | The Effects of Cognitive Loading on Motor Behavior in Injured Individuals: A Systematic Review. <i>Sports Medicine</i> , 2019, 49, 1233-1253. | 6.5 | 38 |
| 10 | Muscle Spindle Traffic in Functionally Unstable Ankles During Ligamentous Stress. <i>Journal of Athletic Training</i> , 2013, 48, 192-202. | 1.8 | 33 |
| 11 | The Effects of Transcranial Direct Current Stimulation on Chronic Ankle Instability. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 335-344. | 0.4 | 29 |
| 12 | Decoupling of laxity and cortical activation in functionally unstable ankles during joint loading. <i>European Journal of Applied Physiology</i> , 2014, 114, 2129-2138. | 2.5 | 27 |
| 13 | Lower-leg Kinesio tape reduces rate of loading in participants with medial tibial stress syndrome. <i>Physical Therapy in Sport</i> , 2016, 18, 62-67. | 1.9 | 23 |
| 14 | The Relationship Between Joint Stiffness and Muscle Activity in Unstable Ankles and Copers. <i>Journal of Sport Rehabilitation</i> , 2017, 26, 15-25. | 1.0 | 21 |
| 15 | The effect of ankle Kinesio® taping on ankle joint biomechanics during unilateral balance status among collegiate athletes with chronic ankle sprain. <i>Physical Therapy in Sport</i> , 2020, 45, 161-167. | 1.9 | 21 |
| 16 | Role of External Prophylactic Support in Restricting Accessory Ankle Motion after Exercise. <i>Foot and Ankle International</i> , 2012, 33, 862-869. | 2.3 | 20 |
| 17 | Atypical cortical drive during activation of the paretic and nonparetic tibialis anterior is related to gait deficits in chronic stroke. <i>Clinical Neurophysiology</i> , 2016, 127, 716-723. | 1.5 | 20 |
| 18 | The Effect of Ankle Kinesio Tape on Ankle Muscle Activity During a Drop Landing. <i>Journal of Sport Rehabilitation</i> , 2015, 24, 391-397. | 1.0 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Physiological and Biomechanical Responses to Prolonged Heavy Load Carriage During Level Treadmill Walking in Females. <i>Journal of Applied Biomechanics</i> , 2017, 33, 248-255. | 0.8 | 18 |
| 20 | Daily watermelon consumption decreases plasma sVCAM-1 levels in overweight and obese postmenopausal women. <i>Nutrition Research</i> , 2020, 76, 9-19. | 2.9 | 18 |
| 21 | A sex comparison of reactive knee stiffness regulation strategies under cognitive loads. <i>Clinical Biomechanics</i> , 2016, 35, 86-92. | 1.2 | 16 |
| 22 | Physical activity levels among rural adolescents with a history of ankle sprain and chronic ankle instability. <i>PLoS ONE</i> , 2019, 14, e0216243. | 2.5 | 16 |
| 23 | An acoustic startle alters knee joint stiffness and neuromuscular control. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 509-516. | 2.9 | 13 |
| 24 | Sprint Assessment Using Machine Learning and a Wearable Accelerometer. <i>Journal of Applied Biomechanics</i> , 2019, 35, 164-169. | 0.8 | 13 |
| 25 | Nervous system excitability and joint stiffness following short-term dynamic ankle immobilization. <i>Gait and Posture</i> , 2018, 59, 46-52. | 1.4 | 12 |
| 26 | Ligament Injury Changes Brain Function: Now Let's Think About It. ... <i>Athletic Training & Sports Health Care</i> , 2017, 9, 198-199. | 0.4 | 11 |
| 27 | The relationship between the sensory responses to ankle-joint loading and corticomotor excitability. <i>International Journal of Neuroscience</i> , 2018, 128, 435-441. | 1.6 | 10 |
| 28 | Influence of Mirror Feedback and Ankle Joint Laxity on Dynamic Balance in Trained Ballet Dancers. <i>Journal of Dance Medicine and Science</i> , 2018, 22, 184-191. | 0.7 | 8 |
| 29 | An adaptive filtering algorithm to estimate sprint velocity using a single inertial sensor. <i>Sports Engineering</i> , 2018, 21, 389-399. | 1.1 | 8 |
| 30 | Concurrent Validity of the Anterior Drawer Test and an Arthrometer in Evaluating Ankle Laxity. <i>Athletic Training & Sports Health Care</i> , 2011, 3, 15-20. | 0.4 | 8 |
| 31 | THE EFFECTS OF MULTIPLE MODALITIES OF COGNITIVE LOADING ON DYNAMIC POSTURAL CONTROL IN INDIVIDUALS WITH CHRONIC ANKLE INSTABILITY. <i>Gait and Posture</i> , 2020, 79, 10-15. | 1.4 | 6 |
| 32 | Spinal Reflex Excitability of Lower Leg Muscles Following Acute Lateral Ankle Sprain: Bilateral Inhibition of Soleus Spinal Reflex Excitability. <i>Healthcare (Switzerland)</i> , 2022, 10, 1171. | 2.0 | 5 |
| 33 | Gastrocnemius fascicle and achilles tendon length at the end of the eccentric phase in a single and multiple countermovement hop. <i>Journal of Electromyography and Kinesiology</i> , 2018, 38, 175-181. | 1.7 | 4 |
| 34 | The effects of 72h of dynamic ankle immobilization on neural excitability and lower extremity kinematics. <i>Gait and Posture</i> , 2022, 93, 198-204. | 1.4 | 3 |
| 35 | Continuous Tracking of Foot Strike Pattern during a Maximal 800-Meter Run. <i>Sensors</i> , 2021, 21, 5782. | 3.8 | 2 |
| 36 | Effectiveness of Low-Intensity Pulsed Ultrasound, Capacitively Coupled Electric Fields, or Extracorporeal Shock Wave Therapy in Accelerating Stress Fracture Healing: A Systematic Review. <i>Athletic Training & Sports Health Care</i> , 2009, 1, 133-139. | 0.4 | 2 |

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|----|---|-----|-----------|
| 37 | Bone health, muscle properties and stretch-shortening cycle function of young and elderly males. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2019, 19, 389-395. | 0.1 | 2 |
| 38 | Acute Effect of Ankle Kinesioâ„¢ Taping on Lower-Limb Biomechanics During Single-Legged Drop Landing. <i>Journal of Sport Rehabilitation</i> , 2021, 30, 689-696. | 1.0 | 1 |
| 39 | Convulsive Adverse Event in a Nonpredisposed Individual During Single-Pulse Transcranial Magnetic Stimulation Over the Lower Extremity Motor Cortex. <i>Journal of ECT</i> , 2019, 35, e13-e14. | 0.6 | 0 |
| 40 | Reactive knee stiffening strategies between various conditioning histories. <i>European Journal of Sport Science</i> , 2020, 20, 191-201. | 2.7 | 0 |
| 41 | Muscle-specific Cortical Adaptations To Balance Training With Electromyographic Biofeedback In Able-bodied Individuals. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 568-569. | 0.4 | 0 |
| 42 | Whole-body Heat Shock Accelerates Recovery from a Single Blunt Trauma Contusion in Mice. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 80-80. | 0.4 | 0 |
| 43 | Why Re-think Injury Rehabilitation?. <i>Athletic Training & Sports Health Care</i> , 2020, 12, 243-245. | 0.4 | 0 |