

# Alan R Needle

## List of Publications by Year in descending order

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43  
papers

904  
citations

471509

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477307

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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 &amp; 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 &amp; 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 &amp; 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. Journal of Musculoskeletal Neuronal Interactions, 2019, 19, 389-395.	0.1	2
38	Acute Effect of Ankle Kinesioâ„¢ Taping on Lower-Limb Biomechanics During Single-Legged Drop Landing. Journal of Sport Rehabilitation, 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. Journal of ECT, 2019, 35, e13-e14.	0.6	0
40	Reactive knee stiffening strategies between various conditioning histories. European Journal of Sport Science, 2020, 20, 191-201.	2.7	0
41	Muscle-specific Cortical Adaptations To Balance Training With Electromyographic Biofeedback In Able-bodied Individuals. Medicine and Science in Sports and Exercise, 2018, 50, 568-569.	0.4	0
42	Whole-body Heat Shock Accelerates Recovery from a Single Blunt Trauma Contusion in Mice. Medicine and Science in Sports and Exercise, 2019, 51, 80-80.	0.4	0
43	Why Re-think Injury Rehabilitation?. Athletic Training & Sports Health Care, 2020, 12, 243-245.	0.4	0