

# Dustin R Grooms

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,264  
citations

430442

18  
h-index

360668

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroplasticity Associated With Anterior Cruciate Ligament Reconstruction. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2017, 47, 180-189.	1.7	160
2	Neuroplasticity Following Anterior Cruciate Ligament Injury: A Framework for Visual-Motor Training Approaches in Rehabilitation. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2015, 45, 381-393.	1.7	154
3	Central Nervous System Adaptation After Ligamentous Injury: a Summary of Theories, Evidence, and Clinical Interpretation. <i>Sports Medicine</i> , 2017, 47, 1271-1288.	3.1	154
4	Soccer-Specific Warm-Up and Lower Extremity Injury Rates in Collegiate Male Soccer Players. <i>Journal of Athletic Training</i> , 2013, 48, 782-789.	0.9	132
5	Brain Activation for Knee Movement Measured Days Before Second Anterior Cruciate Ligament Injury: Neuroimaging in Musculoskeletal Medicine. <i>Journal of Athletic Training</i> , 2015, 50, 1005-1010.	0.9	57
6	Epidemiology of Football Injuries in the National Collegiate Athletic Association, 2004-2005 to 2008-2009. <i>Orthopaedic Journal of Sports Medicine</i> , 2016, 4, 232596711666450.	0.8	54
7	Eccentric Exercise to Enhance Neuromuscular Control. <i>Sports Health</i> , 2017, 9, 333-340.	1.3	51
8	Neuroscience Application to Noncontact Anterior Cruciate Ligament Injury Prevention. <i>Sports Health</i> , 2016, 8, 149-152.	1.3	45
9	Neural activity for hip-knee control in those with anterior cruciate ligament reconstruction: A task-based functional connectivity analysis. <i>Neuroscience Letters</i> , 2020, 730, 134985.	1.0	39
10	Visual-Motor Control of Drop Landing After Anterior Cruciate Ligament Reconstruction. <i>Journal of Athletic Training</i> , 2018, 53, 486-496.	0.9	37
11	Clinimetric Analysis of Pressure Biofeedback and Transversus Abdominis Function in Individuals With Stabilization Classification Low Back Pain. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2013, 43, 184-193.	1.7	30
12	The Influence of Attentional Focus on Balance Control over Seven Days of Training. <i>Journal of Motor Behavior</i> , 2019, 51, 281-292.	0.5	29
13	Examining Motor Tasks of Differing Complexity After Concussion in Adolescents. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 613-619.	0.5	29
14	Neuromechanical Considerations for Postconcussion Musculoskeletal Injury Risk Management. <i>Current Sports Medicine Reports</i> , 2017, 16, 419-427.	0.5	28
15	Corticospinal tract structure and excitability in patients with anterior cruciate ligament reconstruction: A DTI and TMS study. <i>NeuroImage: Clinical</i> , 2020, 25, 102157.	1.4	28
16	Real-time biofeedback integrated into neuromuscular training reduces high-risk knee biomechanics and increases functional brain connectivity: A preliminary longitudinal investigation. <i>Psychophysiology</i> , 2020, 57, e13545.	1.2	25
17	Visual cognition associated with knee proprioception, time to stability, and sensory integration neural activity after ACL reconstruction. <i>Journal of Orthopaedic Research</i> , 2022, 40, 95-104.	1.2	25
18	A Novel Approach to Evaluate Brain Activation for Lower Extremity Motor Control. <i>Journal of Neuroimaging</i> , 2019, 29, 580-588.	1.0	20

#	ARTICLE	IF	CITATIONS
19	Upgraded hardwareâ€”What about the software? Brain updates for return to play following ACL reconstruction. <i>British Journal of Sports Medicine</i> , 2017, 51, 418-419.	3.1	18
20	A Wearable Device for Indoor Imminent Danger Detection and Avoidance With Region-Based Ground Segmentation. <i>IEEE Access</i> , 2020, 8, 184808-184821.	2.6	18
21	Smartphone virtual reality to increase clinical balance assessment responsiveness. <i>Physical Therapy in Sport</i> , 2018, 32, 207-211.	0.8	16
22	Dual-Task Gait Stability after Concussion and Subsequent Injury: An Exploratory Investigation. <i>Sensors</i> , 2020, 20, 6297.	2.1	15
23	Electrocortical dynamics differentiate athletes exhibiting lowâ€”and highâ€”ACL injury risk biomechanics. <i>Psychophysiology</i> , 2020, 57, e13530.	1.2	15
24	Practical Training Strategies to Apply Neuro-Mechanistic Motor Learning Principles to Facilitate Adaptations Towards Injury-Resistant Movement in Youth. <i>Journal of Science in Sport and Exercise</i> , 2021, 3, 3-16.	0.4	13
25	Does central nervous system dysfunction underlie patellofemoral pain in young females? Examining brain functional connectivity in association with patientâ€™reported outcomes. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1083-1096.	1.2	13
26	Targeted Application of Motor Learning Theory to Leverage Youth Neuroplasticity for Enhanced Injury-Resistance and Exercise Performance: OPTIMAL PRÉP. <i>Journal of Science in Sport and Exercise</i> , 2021, 3, 17-36.	0.4	11
27	Can We Capitalize on Central Nervous System Plasticity in Young Athletes to Inoculate Against Injury?. <i>Journal of Science in Sport and Exercise</i> , 2020, 2, 305-318.	0.4	9
28	Integrating neurocognitive challenges into injury prevention training: A clinical commentary. <i>Physical Therapy in Sport</i> , 2021, 51, 8-16.	0.8	9
29	The Long-Term Impact of Osteoarthritis Following Knee Surgery in Former College Athletes. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 33-38.	0.4	6
30	Predicting Injury: Challenges in Prospective Injury Risk Factor Identification. <i>Journal of Athletic Training</i> , 2016, 51, 658-661.	0.9	5
31	Comparing the effect of a simulated defender and dual-task on lower limb coordination and variability during a side-cut in basketball players with and without anterior cruciate ligament injury. <i>Journal of Biomechanics</i> , 2022, 133, 110965.	0.9	5
32	Somatosensory perturbations influence cortical activity associated with single-limb balance performance. <i>Experimental Brain Research</i> , 2021, , 1.	0.7	4
33	Development and reliability of a visual-cognitive medial side hop for return to sport testing. <i>Physical Therapy in Sport</i> , 2022, 57, 40-45.	0.8	4
34	Low Back Functional Health Status of Patient Handlers. <i>Journal of Occupational Rehabilitation</i> , 2015, 25, 296-302.	1.2	3
35	The effects of virtual reality immersion on drop landing mechanics. <i>Sports Biomechanics</i> , 2022, , 1-17.	0.8	3
36	Motor planning and Sensory Neuroplasticity after ACL Reconstruction. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, e90.	0.5	0