

Allison H Gruber

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,544
citations

623188

14
h-index

360668

35
g-index

57
all docs

57
docs citations

57
times ranked

1312
citing authors

#	ARTICLE	IF	CITATIONS
1	Lower extremity joint stiffness characteristics during running with different footfall patterns. <i>European Journal of Sport Science</i> , 2014, 14, 130-136.	1.4	474
2	Interaction between age and gait velocity in the amplitude and timing of antagonist muscle coactivation. <i>Gait and Posture</i> , 2009, 29, 558-564.	0.6	180
3	Impact characteristics in shod and barefoot running. <i>Footwear Science</i> , 2011, 3, 33-40.	0.8	123
4	Impact shock frequency components and attenuation in rearfoot and forefoot running. <i>Journal of Sport and Health Science</i> , 2014, 3, 113-121.	3.3	113
5	Economy and rate of carbohydrate oxidation during running with rearfoot and forefoot strike patterns. <i>Journal of Applied Physiology</i> , 2013, 115, 194-201.	1.2	97
6	Is changing footstrike pattern beneficial to runners?. <i>Journal of Sport and Health Science</i> , 2017, 6, 146-153.	3.3	73
7	Time-to-contact and multiscale entropy identify differences in postural control in adolescent idiopathic scoliosis. <i>Gait and Posture</i> , 2011, 34, 13-18.	0.6	55
8	Kinematics and shock attenuation during a prolonged run on the athletic track as measured with inertial magnetic measurement units. <i>Gait and Posture</i> , 2019, 68, 155-160.	0.6	55
9	Footfall patterns during barefoot running on harder and softer surfaces. <i>Footwear Science</i> , 2013, 5, 39-44.	0.8	49
10	Most marathon runners at the 2017 IAAF World Championships were rearfoot strikers, and most did not change footstrike pattern. <i>Journal of Biomechanics</i> , 2019, 92, 54-60.	0.9	38
11	Transitioning to Minimal Footwear: a Systematic Review of Methods and Future Clinical Recommendations. <i>Sports Medicine - Open</i> , 2017, 3, 33.	1.3	36
12	A comparison of the ground reaction force frequency content during rearfoot and non-rearfoot running patterns. <i>Gait and Posture</i> , 2017, 56, 54-59.	0.6	34
13	Age and muscle strength mediate the age-related biomechanical plasticity of gait. <i>European Journal of Applied Physiology</i> , 2016, 116, 805-814.	1.2	32
14	Inspiratory muscle training improves exercise capacity with thoracic load carriage. <i>Physiological Reports</i> , 2018, 6, e13558.	0.7	15
15	Adolescent Running Biomechanics - Implications for Injury Prevention and Rehabilitation. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 689846.	0.9	14
16	Segment coordination and variability among prospectively injured and uninjured runners. <i>Journal of Sports Sciences</i> , 2021, 39, 38-47.	1.0	12
17	The Influence of Ankle Braces on Functional Performance Tests and Ankle Joint Range of Motion. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 817-823.	0.4	11
18	Frequency Content of the Vertical Ground Reaction Force Component During Rearfoot and Forefoot Running Patterns. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 60.	0.2	10

#	ARTICLE	IF	CITATIONS
19	Footstrike patterns and race performance in the 2017 IAAF World Championship men's 10,000 m final. <i>Sports Biomechanics</i> , 2024, 23, 314-323.	0.8	10
20	Comparison of classification methods to determine footfall pattern. <i>Footwear Science</i> , 2013, 5, S103-S104.	0.8	9
21	Respiratory Effects of Thoracic Load Carriage Exercise and Inspiratory Muscle Training as a Strategy to Optimize Respiratory Muscle Performance with Load Carriage. <i>Springer Science Reviews</i> , 2017, 5, 49-64.	1.3	9
22	Quantifying exposure to running for meaningful insights into running-related injuries. <i>BMJ Open Sport and Exercise Medicine</i> , 2019, 5, e000613.	1.4	9
23	Injured Runners Do Not Replace Lost Running Time with Other Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1163-1168.	0.2	9
24	Leg Stiffness, Joint Stiffness, and Running-Related Injury: Evidence From a Prospective Cohort Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110112.	0.8	9
25	Leg and Joint Stiffness Adaptations to Minimalist and Maximalist Running Shoes. <i>Journal of Applied Biomechanics</i> , 2021, 37, 408-414.	0.3	9
26	Influence of Prolonged Running and Training on Tibial Acceleration and Movement Quality in Novice Runners. <i>Journal of Athletic Training</i> , 2020, 55, 1292-1299.	0.9	7
27	Locomotor-respiratory coupling is maintained in simulated moderate altitude in trained distance runners. <i>Journal of Applied Physiology</i> , 2018, 125, 1-7.	1.2	6
28	Potential health effects of dietary nitrate supplementation in aging and chronic degenerative disease. <i>Medical Hypotheses</i> , 2020, 141, 109732.	0.8	6
29	CARL: a running recognition algorithm for free-living accelerometer data. <i>Physiological Measurement</i> , 2021, 42, 115001.	1.2	6
30	Dietary Nitrate Supplementation and Exercise-Related Performance. <i>Nutrition Today</i> , 2020, 55, 211-217.	0.6	5
31	Ground Reaction Forces In Rearfoot And Forefoot Running Assessed By A Continuous Wavelet Transform. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 710.	0.2	4
32	Joint work is not shifted proximally after a long run in rearfoot strike runners. <i>Journal of Sports Sciences</i> , 2021, 39, 78-83.	1.0	4
33	Training and technique choices predict self-reported running injuries: An international study. <i>Physical Therapy in Sport</i> , 2021, 48, 83-90.	0.8	4
34	Beetroot supplementation in women enjoying exercise together (BEE SWEET): Rationale, design and methods. <i>Contemporary Clinical Trials Communications</i> , 2021, 21, 100693.	0.5	4
35	Monitoring Gait Complexity as an Indicator for Running-Related Injury Risk in Collegiate Cross-Country Runners: A Proof-of-Concept Study. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 630975.	0.9	4
36	Extrinsic foot muscle forces when running in varus, valgus and neutral wedged shoes. <i>Footwear Science</i> , 2009, 1, 153-161.	0.8	2

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37	Does Non-Running Physical Activity Contribute to the Risk of Developing a Running Related Overuse Injury?. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1077.	0.2	2
38	The Role Of Off-axis Force In Running-related Overuse Injury. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 141.	0.2	1
39	Differences in Joint Kinematics and Ground Reaction Forces between Preferred and Fixed Running Speeds. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 269.	0.2	0
40	A Comparison of Wrist and Hip Accelerometer Output at Different Walking Speeds. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 718-719.	0.2	0
41	Comparison of H-reflex and reciprocal inhibition between running footfall patterns. <i>Footwear Science</i> , 2015, 7, S7-S8.	0.8	0
42	Effects of a Submaximal 30-Minute Run on Peak Tibial Acceleration in Novice Runners. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 994.	0.2	0
43	Flow-resistive Inspiratory Muscle Training Improves Running Time To Exhaustion With Thoracic Load Carriage. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 108-109.	0.2	0
44	Acute. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 776.	0.2	0
45	The Effects of Sampling Frequency on Studying Peak Tibial and Sacral Accelerations in Running. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 699-699.	0.2	0
46	Ground Reaction Forces and Rearfoot Motion in Plantar Fasciitis. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S332.	0.2	0
47	Stride Length Influences Metabolic Cost During Walking In Obese Women. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 513.	0.2	0
48	Metabolic Cost Of Altering Foot Strike Patterns In Running. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 512.	0.2	0
49	Locomotor-Respiratory Coupling is Maintained in Hypoxia in Trained Distance Runners. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 250-251.	0.2	0
50	Do Selective Pressures on Pelvic Dimensions Influence Risk of Running Injury Development?. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 43.	0.2	0
51	Risk Of Running-related Injury Associated With Center Of Mass Acceleration Complexity. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 820-820.	0.2	0
52	Assessing Between-limb Differences In Prospectively Injured And Uninjured Runners Using Dynamical Measures Of Gait. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 718-718.	0.2	0
53	Automated Gait Variability Assessment In Real-World Running Using Wearable Accelerometry. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 819-819.	0.2	0
54	Bilateral differences in coordination variability among injured and uninjured runners: A prospective study. <i>Journal of Biomechanics</i> , 2022, 132, 110938.	0.9	0