

Allison H Gruber

List of Publications by Year in Descending Order

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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.

44
papers

1,060
citations

13
h-index

32
g-index

57
ext. papers

1,368
ext. citations

2.1
avg, IF

4.78
L-index

#	Paper	IF	Citations
44	Bilateral differences in coordination variability among injured and uninjured runners: A prospective study.. <i>Journal of Biomechanics</i> , 2021 , 132, 110938	2.9	
43	Leg Stiffness, Joint Stiffness, and Running-Related Injury: Evidence From a Prospective Cohort Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2021 , 9, 23259671211011213	3.5	0
42	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	2.3	1
41	Joint work is not shifted proximally after a long run in rearfoot strike runners. <i>Journal of Sports Sciences</i> , 2021 , 39, 78-83	3.6	1
40	Segment coordination and variability among prospectively injured and uninjured runners. <i>Journal of Sports Sciences</i> , 2021 , 39, 38-47	3.6	6
39	Footstrike patterns and race performance in the 2017 IAAF World Championship men's 10,000 m final. <i>Sports Biomechanics</i> , 2021 , 1-10	2.2	3
38	Training and technique choices predict self-reported running injuries: An international study. <i>Physical Therapy in Sport</i> , 2021 , 48, 83-90	3	2
37	Beetroot supplementation in women enjoying exercise together (BEE SWEET): Rationale, design and methods. <i>Contemporary Clinical Trials Communications</i> , 2021 , 21, 100693	1.8	1
36	Adolescent Running Biomechanics - Implications for Injury Prevention and Rehabilitation. <i>Frontiers in Sports and Active Living</i> , 2021 , 3, 689846	2.3	4
35	Leg and Joint Stiffness Adaptations to Minimalist and Maximalist Running Shoes. <i>Journal of Applied Biomechanics</i> , 2021 , 37, 408-414	1.2	2
34	Potential health effects of dietary nitrate supplementation in aging and chronic degenerative disease. <i>Medical Hypotheses</i> , 2020 , 141, 109732	3.8	3
33	Automated Gait Variability Assessment In Real-World Running Using Wearable Accelerometry. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 819-819	1.2	
32	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	4	3
31	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	1.2	
30	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	1.2	4
29	Dietary Nitrate Supplementation and Exercise-Related Performance. <i>Nutrition Today</i> , 2020 , 55, 211-217	1.6	0
28	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	2.9	22

27	Quantifying exposure to running for meaningful insights into running-related injuries. <i>BMJ Open Sport and Exercise Medicine</i> , 2019 , 5, e000613	3.4	5
26	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	1.2	
25	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	2.6	29
24	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	1.7	5
23	Inspiratory muscle training improves exercise capacity with thoracic load carriage. <i>Physiological Reports</i> , 2018 , 6, e13558	2.6	9
22	Locomotor-respiratory coupling is maintained in simulated moderate altitude in trained distance runners. <i>Journal of Applied Physiology</i> , 2018 , 125, 1-7	3.7	4
21	Is changing footstrike pattern beneficial to runners?. <i>Journal of Sport and Health Science</i> , 2017 , 6, 146-153.	2	48
20	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	2.6	20
19	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		5
18	Transitioning to Minimal Footwear: a Systematic Review of Methods and Future Clinical Recommendations. <i>Sports Medicine - Open</i> , 2017 , 3, 33	6.1	22
17	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	1.2	
16	Locomotor-Respiratory Coupling is Maintained in Hypoxia in Trained Distance Runners. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 250-251	1.2	
15	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	1.2	2
14	Age and muscle strength mediate the age-related biomechanical plasticity of gait. <i>European Journal of Applied Physiology</i> , 2016 , 116, 805-14	3.4	28
13	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	1.2	3
12	Comparison of H-reflex and reciprocal inhibition between running footfall patterns. <i>Footwear Science</i> , 2015 , 7, S7-S8	1.4	
11	Lower extremity joint stiffness characteristics during running with different footfall patterns. <i>European Journal of Sport Science</i> , 2014 , 14, 130-6	3.9	298
10	Impact shock frequency components and attenuation in rearfoot and forefoot running. <i>Journal of Sport and Health Science</i> , 2014 , 3, 113-121	8.2	84

9	Footfall patterns during barefoot running on harder and softer surfaces. <i>Footwear Science</i> , 2013 , 5, 39-44	4.4	42
8	Comparison of classification methods to determine footfall pattern. <i>Footwear Science</i> , 2013 , 5, S103-S104	1.4	8
7	Economy and rate of carbohydrate oxidation during running with rearfoot and forefoot strike patterns. <i>Journal of Applied Physiology</i> , 2013 , 115, 194-201	3.7	81
6	Impact characteristics in shod and barefoot running. <i>Footwear Science</i> , 2011 , 3, 33-40	1.4	111
5	Time-to-contact and multiscale entropy identify differences in postural control in adolescent idiopathic scoliosis. <i>Gait and Posture</i> , 2011 , 34, 13-8	2.6	43
4	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	1.2	8
3	Extrinsic foot muscle forces when running in varus, valgus and neutral wedged shoes. <i>Footwear Science</i> , 2009 , 1, 153-161	1.4	1
2	Interaction between age and gait velocity in the amplitude and timing of antagonist muscle coactivation. <i>Gait and Posture</i> , 2009 , 29, 558-64	2.6	149
1	Muscle mechanics and energy expenditure of the triceps surae during rearfoot and forefoot running		1