

Sarah L Hemler

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

211
citations

933447

10
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

51
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in under-shoe traction and fluid drainage for progressively worn shoe tread. Applied Ergonomics, 2019, 80, 35-42.	3.1	35
2	Predicting hydrodynamic conditions under worn shoes using the tapered-wedge solution of Reynolds equation. Tribology International, 2020, 145, 106161.	5.9	28
3	Worn region size of shoe outsole impacts human slips: Testing a mechanistic model. Journal of Biomechanics, 2020, 105, 109797.	2.1	28
4	An observational ergonomic tool for assessing the worn condition of slip-resistant shoes. Applied Ergonomics, 2020, 88, 103140.	3.1	22
5	Traction performance across the life of slip-resistant footwear: Preliminary results from a longitudinal study. Journal of Safety Research, 2020, 74, 219-225.	3.6	16
6	Gait kinetics impact shoe tread wear rate. Gait and Posture, 2021, 86, 157-161.	1.4	14
7	Effects of natural shoe wear on traction performance: a longitudinal study. Footwear Science, 2022, 14, 1-12.	2.1	14
8	Effects of Shoe Wear on Slipping â€œ Implications for Shoe Replacement Threshold. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1424-1428.	0.3	13
9	Computational model of shoe wear progression: Comparison with experimental results. Wear, 2019, 422-423, 235-241.	3.1	13
10	Effect of tread design and hardness on interfacial fluid force and friction in artificially worn shoes. Footwear Science, 2021, 13, 245-254.	2.1	11
11	Differences in Friction Performance between New and Worn Shoes. IISE Transactions on Occupational Ergonomics and Human Factors, 2020, 8, 209-214.	0.8	10
12	Influence of Natural Wear Progression on Shoe Floor Traction â€œ A Pilot Study. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1358-1362.	0.3	1
13	Investigating the Influence of Spatiotemporal Gait Characteristics on Shoe Wear Rate. IISE Transactions on Occupational Ergonomics and Human Factors, 2021, , 1-6.	0.8	0
14	Investigating the Influence of Spatiotemporal Gait Characteristics on Shoe Wear Rate. IISE Transactions on Occupational Ergonomics and Human Factors, 2022, 10, 1-6.	0.8	0