Adam C Knight

List of Publications by Year
in descending order

63	735	567281 15	642732 23
papers	citations	h-index	g-index

64	64	64	557
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wearable Stretch Sensors for Human Movement Monitoring and Fall Detection in Ergonomics. International Journal of Environmental Research and Public Health, 2020, 17, 3554.	2.6	56
2	Individuals with chronic ankle instability exhibit dynamic postural stability deficits and altered unilateral landing biomechanics: AÂsystematic review. Physical Therapy in Sport, 2019, 37, 210-219.	1.9	51
3	Exogenous ketone salts do not improve cognitive responses after a high-intensity exercise protocol in healthy college-aged males. Applied Physiology, Nutrition and Metabolism, 2018, 43, 711-717.	1.9	40
4	Flatfeet: Biomechanical implications, assessment and management. Foot, 2019, 38, 81-85.	1.1	37
5	Influence of military workload and footwear on static and dynamic balance performance. International Journal of Industrial Ergonomics, 2018, 64, 51-58.	2.6	28
6	Neuromuscular control in individuals with chronic ankle instability: A comparison of unexpected and expected ankle inversion perturbations during a single leg drop-landing. Human Movement Science, 2019, 64, 133-141.	1.4	27
7	Closing the Wearable Gap: Mobile Systems for Kinematic Signal Monitoring of the Foot and Ankle. Electronics (Switzerland), 2018, 7, 117.	3.1	22
8	Closing the Wearable Gapâ€"Part II: Sensor Orientation and Placement for Foot and Ankle Joint Kinematic Measurements. Sensors, 2019, 19, 3509.	3.8	22
9	Difference in Response Latency of the Peroneus Longus Between the Dominant and Nondominant Legs. Journal of Sport Rehabilitation, 2011, 20, 321-332.	1.0	21
10	Impact of Virtual Realityâ€"Generated Construction Environments at Different Heights on Postural Stability and Fall Risk. Workplace Health and Safety, 2021, 69, 32-40.	1.4	21
11	Impact of military type footwear and load carrying workload on postural stability. Ergonomics, 2019, 62, 103-114.	2.1	20
12	Closing the Wearable Gapâ€"Part VI: Human Gait Recognition Using Deep Learning Methodologies. Electronics (Switzerland), 2020, 9, 796.	3.1	19
13	Slip initiation in alternative and slip-resistant footwear. International Journal of Occupational Safety and Ergonomics, 2017, 23, 558-569.	1.9	18
14	Closing the Wearable Gapâ€"Part III: Use of Stretch Sensors in Detecting Ankle Joint Kinematics During Unexpected and Expected Slip and Trip Perturbations. Electronics (Switzerland), 2019, 8, 1083.	3.1	18
15	Lower Limb Joint Kinetics During a Side-Cutting Task in Participants With or Without Chronic Ankle Instability. Journal of Athletic Training, 2020, 55, 169-175.	1.8	18
16	Postural Control in Workplace Safety: Role of Occupational Footwear and Workload. Safety, 2017, 3, 18.	1.7	17
17	Closing the Wearable Gapâ€"Part V: Development of a Pressure-Sensitive Sock Utilizing Soft Sensors. Sensors, 2020, 20, 208.	3.8	17
18	Ground reaction forces during a drop vertical jump: Impact of external load training. Human Movement Science, 2018, 59, 12-19.	1.4	16

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19	Virtual-Reality-Induced Visual Perturbations Impact Postural Control System Behavior. Behavioral Sciences (Basel, Switzerland), 2019, 9, 113.	2.1	16
20	Impact of military type footwear and workload on heel contact dynamics during slip events. International Journal of Industrial Ergonomics, 2018, 66, 18-25.	2.6	14
21	Closing the Wearable Gapâ€"Part IV: 3D Motion Capture Cameras Versus Soft Robotic Sensors Comparison of Gait Movement Assessment. Electronics (Switzerland), 2019, 8, 1382.	3.1	12
22	Assessment of balance among adolescent track and field athletes. Sports Biomechanics, 2016, 15, 169-179.	1.6	11
23	Impact of occupational footwear during simulated workloads on energy expenditure. Footwear Science, 2018, 10, 157-165.	2.1	11
24	Bilateral spatiotemporal postural control impairments are present in participants with chronic ankle instability. Physical Therapy in Sport, 2019, 39, 1-7.	1.9	11
25	Anticipating ankle inversion perturbations during a single-leg drop landing alters ankle joint and impact kinetics. Human Movement Science, 2019, 66, 22-30.	1.4	11
26	Development of a fulcrum methodology to replicate the lateral ankle sprain mechanism and measure dynamic inversion speed. Sports Biomechanics, 2012, 11, 402-413.	1.6	10
27	Effects of previous lateral ankle sprain and taping on the latency of the peroneus longus. Sports Biomechanics, 2012, 11, 48-56.	1.6	10
28	The role of military footwear and workload on ground reaction forces during a simulated lateral ankle sprain mechanism. Foot, 2018, 34, 53-57.	1.1	10
29	Lower-Extremity Kinematics During Ankle Inversion Perturbations: A Novel Experimental Protocol That Simulates an Unexpected Lateral Ankle Sprain Mechanism. Journal of Sport Rehabilitation, 2019, 28, 593-600.	1.0	10
30	Mean muscle activation comparison between fastballs and curveballs with respect to the upper and lower extremity. Journal of Biomechanics, 2019, 94, 187-192.	2.1	10
31	Ankle kinematics, center of pressure progression, and lower extremity muscle activity during a side-cutting task in participants with and without chronic ankle instability. Journal of Electromyography and Kinesiology, 2020, 54, 102454.	1.7	10
32	Effects of Inversion Perturbation After Step-Down on the Latency of the Peroneus Longus and Peroneus Brevis. Journal of Applied Biomechanics, 2011, 27, 283-290.	0.8	9
33	Difference in Ratio of Evertor to Invertor Activity Between the Dominant and Nondominant Legs During Simulated Lateral Ankle Sprain. Journal of Sport Rehabilitation, 2013, 22, 272-278.	1.0	8
34	Impact of occupational footwear and workload on postural stability in work safety. Work, 2019, 64, 817-824.	1.1	8
35	Closing the Wearable Gap-Part VII: A Retrospective of Stretch Sensor Tool Kit Development for Benchmark Testing. Electronics (Switzerland), 2020, 9, 1457.	3.1	8
36	The use of wearable devices in cognitive fatigue: current trends and future intentions. Theoretical Issues in Ergonomics Science, 2022, 23, 374-386.	1.8	8

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37	Falls in Geriatric Populations and Hydrotherapy as an Intervention: A Brief Review. Geriatrics (Switzerland), 2018, 3, 71.	1.7	7
38	The Interaction of Cognitive Interference, Standing Surface, and Fatigue on Lower Extremity Muscle Activity. Safety and Health at Work, 2019, 10, 321-326.	0.6	7
39	Does Minimalist Footwear Design Aid in Postural Stability and Fall Prevention in Ergonomics?. Ergonomics in Design, 2019, 27, 22-25.	0.7	5
40	Closing the Wearable Gapâ€"Part IX: Validation of an Improved Ankle Motion Capture Wearable. IEEE Access, 2021, 9, 114022-114036.	4.2	5
41	Lower extremity joint kinematics of a simulated lateral ankle sprain after drop landings in participants with chronic ankle instability. Sports Biomechanics, 2022, 21, 428-446.	1.6	5
42	Impact of Sub-Clinical and Clinical Compression Socks on Postural Stability Tasks among Individuals with Ankle Instability. Healthcare (Switzerland), 2022, 10, 1271.	2.0	5
43	External load training does not alter balance performance in well-trained women. Sports Biomechanics, 2018, 17, 336-349.	1.6	4
44	Muscle Activity during Postural Stability Tasks: Role of Military Footwear and Load Carriage. Safety, 2020, 6, 35.	1.7	4
45	Military-Type Workload and Footwear Alter Lower Extremity Muscle Activity during Unilateral Static Balance: Implications for Tactical Athletic Footwear Design. Sports, 2020, 8, 58.	1.7	4
46	Closing the Wearable Gapâ€"Part VIII: A Validation Study for a Smart Knee Brace to Capture Knee Joint Kinematics. Biomechanics, 2021, 1, 152-162.	1.2	4
47	Is it me or the room moving? Recreating the classical â€œmoving roomâ€•experiment with virtual reality for postural control adaptation. Adaptive Behavior, 2020, , 105971232097137.	1.9	3
48	Occupational falls: interventions for fall detection, prevention and safety promotion. Theoretical Issues in Ergonomics Science, 2020, , 1-16.	1.8	3
49	Impact of Prolonged Exposure to a Slippery Surface on Postural Stability. International Journal of Environmental Research and Public Health, 2021, 18, 2214.	2.6	3
50	Sensory and Tactile Comfort Assessment of Sub-Clinical and Clinical Compression Socks on Individuals with Ankle Instability. Textiles, 2022, 2, 307-317.	4.1	3
51	Sequential order of swing phase initiation in baseball. Journal of Sports Analytics, 2020, 6, 199-204.	0.8	2
52	Impact of Fat Grip Attachments on Muscular Strength and Neuromuscular Activation During Resistance Exercise. Journal of Strength and Conditioning Research, 2021, 35, S152-S157.	2.1	2
53	An analysis of postural control strategies in various types of footwear with varying workloads. Footwear Science, 2021, 13, 181-189.	2.1	2
54	Role of Occupational Footwear and Prolonged Walking on Lower Extremity Muscle Activation during Maximal Exertions and Postural Stability Tasks. Biomechanics, 2021, 1, 202-213.	1.2	2

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55	Dual Tasking during Trip Recovery and Obstacle Clearance among Young, Healthy Adults in Human Factors Research. International Journal of Environmental Research and Public Health, 2021, 18, 10144.	2.6	2
56	The Walls Are Closing In: Postural Responses to a Virtual Reality Claustrophobic Simulation. Clinical and Translational Neuroscience, 2022, 6, 15.	0.9	2
57	Assessment of performance of Nitinol-based arch wedge supports in bearing forces and stresses due to human movement using FEA. International Journal for Computational Methods in Engineering Science and Mechanics, 2018, 19, 351-362.	2.1	1
58	Effects of 7-Day Ketone Ingestion and a Physiological Workload on Postural Stability, Cognitive, and Muscular Exertion Measures in Professional Firefighters. Safety, 2019, 5, 15.	1.7	1
59	Effects of Weighted Vest Loading During Daily Living Activities on Countermovement Jump and Sprint Performance. International Journal of Sports Physiology and Performance, 2020, 15, 309-318.	2.3	1
60	Impact of military footwear type and a load carriage workload on slip initiation biomechanics. International Journal of Human Factors and Ergonomics, 2020, 7, 125.	0.3	1
61	Sensory Organization Test Conditions Influence Postural Strategy Rather than Footwear or Workload. International Journal of Environmental Research and Public Health, 2021, 18, 10511.	2.6	1
62	Computational Design and Analysis of Nitinol-Based Arch Wedge Support. , 2018, , .		0
63	Lower Extremity Muscle Activation in Alternative Footwear during Stance Phase of Slip Events. International Journal of Environmental Research and Public Health, 2021, 18, 1533.	2.6	0