Vicki Komisar

List of Publications by Year
in descending order

27	332	933264 10	839398 18
papers	citations	h-index	g-index

28	28	28	247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Effect of Handrail Cross-Sectional Design and Age on the Speed and Quality of Reach-To-Grasp Reactions to Recover Balance. Human Factors, 2024, 66, 56-70.	2.1	0
2	The Effect of Wave Motion Intensities on Performance in a Simulated Search and Rescue Task and the Concurrent Demands of Maintaining Balance. Human Factors, 2022, 64, 579-588.	2.1	3
3	Injuries from falls by older adults in long-term care captured on video: Prevalence of impacts and injuries to body parts. BMC Geriatrics, 2022, 22, 343.	1.1	11
4	Effects of the Mobility-Fit Physical Activity Program on Strength and Mobility in Older Adults in Assisted Living: A Feasibility Study. International Journal of Environmental Research and Public Health, 2022, 19, 5453.	1.2	2
5	Effect of Holding Objects on the Occurrence of Head Impact in Falls by Older Adults: Evidence From Real-Life Falls in Long-Term Care. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1463-1470.	1.7	11
6	A kinematic analysis of balance recovery following an unexpected forward balance loss during stair descent. Applied Ergonomics, 2021, 92, 103317.	1.7	12
7	Effect of Handrail Height and Age on Trunk and Shoulder Kinematics Following Perturbation-Evoked Grasping Reactions During Gait. Human Factors, 2021, , 001872082110136.	2.1	0
8	The Role of Fall Biomechanics in the Cause and Prevention of Bone Fractures in Older Adults. Current Osteoporosis Reports, 2021, 19, 381-390.	1.5	7
9	Accuracy of Kinovea software in estimating body segment movements during falls captured on standard video: Effects of fall direction, camera perspective and video calibration technique. PLoS ONE, 2021, 16, e0258923.	1.1	14
10	The effect of handrail cross-sectional design and age on applied handrail forces during reach-to-grasp balance reactions. Journal of Biomechanics, 2021, 129, 110788.	0.9	4
11	Estimating Trunk and Neck Stabilization for Avoiding Head Impact during Real-World Falls in Older Adults. , 2020, 2020, 4823-4826.		4
12	Extending the center of pressure to incorporate handhold forces: Derivation and sample application. Journal of Biomechanics, 2020, 104, 109727.	0.9	9
13	The Effect of Fall Biomechanics on Risk for Hip Fracture in Older Adults: A Cohort Study of Videoâ€Captured Falls in Longâ€Term Care. Journal of Bone and Mineral Research, 2020, 35, 1914-1922.	3.1	48
14	Quantifying Segmental Contributions to Center-of-Mass Motion During Dynamic Continuous Support Surface Perturbations Using Simplified Estimation Models. Journal of Applied Biomechanics, 2020, 36, 198-208.	0.3	5
15	Characterizing the demands of backward balance loss and fall recovery during stair descent to prevent injury. Applied Ergonomics, 2019, 81, 102900.	1.7	16
16	Individual, task, and environmental influences on balance recovery: a narrative review of the literature and implications for preventing occupational falls. IISE Transactions on Occupational Ergonomics and Human Factors, 2019, 7, 91-118.	0.5	11
17	Effect of handrail height and age on the timing and speed of reach-to-grasp balance reactions during slope descent. Applied Ergonomics, 2019, 81, 102873.	1.7	9
18	A comparison of the magnitude and duration of linear and rotational head accelerations generated during hand-, elbow- and shoulder-to-head checks delivered by hockey players. Journal of Biomechanics, 2019, 91, 43-50.	0.9	6

#	Article	IF	Citations
19	Use of handrails for balance and stability: Characterizing loading profiles in younger adults. Applied Ergonomics, 2019, 76, 20-31.	1.7	14
20	Influence of handrail height and fall direction on center of mass control and the physical demands of reach-to-grasp balance recovery reactions. Gait and Posture, 2018, 60, 209-216.	0.6	24
21	TEACHING CREDIBLE VALIDATION AND VERIFICATION METHODS TO A LARGE, MULTIDISCIPLINARY FIRST-YEAR ENGINEERING DESIGN CLASS. Proceedings of the Canadian Engineering Education Association (CEEA), 2018, , .	0.2	0
22	Using a Multidisciplinary Team-Based Challenge to Promote Brainstorming and Prototyping of Medical Devices. Proceedings of the Canadian Engineering Education Association (CEEA), 2018, , .	0.2	0
23	A novel method for synchronizing motion capture with other data sources for millisecond-level precision. Gait and Posture, 2017, 51, 125-131.	0.6	21
24	Age-related differences in dynamic balance control during stair descent and effect of varying step geometry. Applied Ergonomics, 2016, 52, 275-284.	1.7	64
25	Baseline Characteristics of Dual-Axis Cervical Accelerometry Signals. Annals of Biomedical Engineering, 2010, 38, 1048-1059.	1.3	35
26	Using Role-Playing Simulations to Teach Quality Control in the Design of Medical Devices. Proceedings of the Canadian Engineering Education Association (CEEA), 0, , .	0.2	1
27	HOW FINE ARE THE EMPERORâ€™S CLOTHES? â€“ MOTIVATING CRITICAL AND ETHICAL DESIGN PRACTICES BY DECONSTRUCTING ENGINEERING CODES AND STANDARDS. Proceedings of the Canadian Engineering Education Association (CEEA), 0, , .	0.2	0