Neil J Mansfield

List of Publications by Year
in descending order

60	1,731	304368	288905
papers	citations	22 h-index	40 g-index

61	61	61	1363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of carrying heavy loads on soldiers' posture, movements and gait. Ergonomics, 2006, 49, 1527-1537.	1.1	220
2	Non-linearities in apparent mass and transmissibility during exposure to whole-body vertical vibration. Journal of Biomechanics, 2000, 33, 933-941.	0.9	159
3	Self-reported musculoskeletal problems amongst professional truck drivers. Ergonomics, 2007, 50, 814-827.	1.1	115
4	A biomechanical analysis of common lunge tasks in badminton. Journal of Sports Sciences, 2010, 28, 183-191.	1.0	102
5	Evaluation of reaction time performance and subjective workload during whole-body vibration exposure while seated in upright and twisted postures with and without armrests. International Journal of Industrial Ergonomics, 2008, 38, 499-508.	1.5	75
6	Effect of long term driving on driver discomfort and its relationship with seat fidgets and movements (SFMs). Applied Ergonomics, 2017, 58, 119-127.	1.7	73
7	Design of Digital Filters for Frequency Weightings Required for Risk Assessments of Workers Exposed to Vibration. Industrial Health, 2007, 45, 512-519.	0.4	58
8	Driver discomfort in vehicle seats â€“ Effect of changing road conditions and seat foam composition. Applied Ergonomics, 2015, 50, 153-159.	1.7	57
9	The apparent mass of the seated human exposed to single-axis and multi-axis whole-body vibration. Journal of Biomechanics, 2007, 40, 2543-2551.	0.9	51
10	Symptoms of musculoskeletal disorders in stage rally drivers and co-drivers. British Journal of Sports Medicine, 2001, 35, 314-320.	3.1	49
11	Impedance Methods (Apparent Mass, Driving Point Mechanical Impedance and Absorbed Power) for Assessment of the Biomechanical Response of the Seated Person to Whole-body Vibration. Industrial Health, 2005, 43, 378-389.	0.4	49
12	Difference thresholds for automobile seat vibration. Applied Ergonomics, 2000, 31, 255-261.	1.7	45
13	Comparison of the apparent masses and cross-axis apparent masses of seated humans exposed to single- and dual-axis whole-body vibration. Journal of Sound and Vibration, 2006, 298, 841-853.	2.1	39
14	Evaluation of impact sound on the â€˜feelâ€™ of a golf shot. Journal of Sound and Vibration, 2005, 287, 651-666.	2.1	36
15	Combined Effects of Long-Term Sitting and Whole-Body Vibration on Discomfort Onset for Vehicle Occupants. ISRN Automotive Engineering, 2014, 2014, 1-8.	0.8	34
16	Integrating and applying models of comfort. Applied Ergonomics, 2020, 82, 102917.	1.7	33
17	Effect of vibration magnitude, vibration spectrum and muscle tension on apparent mass and cross axis transfer functions during whole-body vibration exposure. Journal of Biomechanics, 2006, 39, 3062-3070.	0.9	32
18	Whole Body Vibration in Helicopters: Risk Assessment in Relation to Low Back Pain. Aviation, Space, and Environmental Medicine, 2011, 82, 790-796.	0.6	31

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19	Neonatal head and torso vibration exposure during inter-hospital transfer. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 99-113.	1.0	29
20	Evaluation of subjective responses to whole-body vibration exposure: Effect of frequency content. International Journal of Industrial Ergonomics, 2008, 38, 509-515.	1.5	28
21	A survey of expert opinion on the effects of occupational exposures to trunk rotation and whole-body vibration. Ergonomics, 2014, 57, 563-574.	1.1	28
22	Risks and benefits of whole body vibration training in older people. Age and Ageing, 2008, 38, 254-255.	0.7	27
23	Driving performance and driver discomfort in an elevated and standard driving position during a driving simulation. Applied Ergonomics, 2015, 49, 25-33.	1.7	25
24	Effects of horizontal whole-body vibration and standing posture on activity interference. Ergonomics, 2010, 53, 365-374.	1.1	23
25	Variation between manufacturersâ€™ declared vibration emission values and those measured under simulated workplace conditions for a range of hand-held power tools typically found in the construction industry. International Journal of Industrial Ergonomics, 2008, 38, 661-675.	1.5	22
26	Driving a better driving experience: a questionnaire survey of older compared with younger drivers. Ergonomics, 2017, 60, 533-540.	1.1	21
27	Effect of Backrest and Torso Twist on the Apparent Mass of the Seated Body Exposed to Vertical Vibration. Industrial Health, 2005, 43, 413-420.	0.4	19
28	Engineering movement into automotive seating: Does the driver feel more comfortable and refreshed?. Applied Ergonomics, 2019, 74, 214-220.	1.7	18
29	Inter-cycle variation in whole-body vibration exposures of operators driving track-type loader machines. Journal of Sound and Vibration, 2006, 298, 563-579.	2.1	15
30	Relative Contribution of Translational and Rotational Vibration to Discomfort. Industrial Health, 2010, 48, 519-529.	0.4	15
31	Subjective ratings of whole-body vibration for single- and multi-axis motion. Journal of the Acoustical Society of America, 2011, 130, 3723-3728.	0.5	15
32	Comparison of the Apparent Mass of the Seated Human Measured Using Random and Sinusoidal Vibration. Industrial Health, 2005, 43, 233-240.	0.4	14
33	Comparison of the Apparent Mass during Exposure to Whole-Body Vertical Vibration between Japanese Subjects and ISO 5982 Standard. Industrial Health, 2005, 43, 436-440.	0.4	14
34	Predicting the health risks related to whole-body vibration and shock: a comparison of alternative assessment methods for high-acceleration events in vehicles. Ergonomics, 2015, 58, 1071-1087.	1.1	13
35	Contribution of individual components of a job cycle on overall severity of whole-body vibration exposure: a study in Indian mines. International Journal of Occupational Safety and Ergonomics, 2016, 22, 142-151.	1.1	13
36	Physiological correlates of cognitive load in laparoscopic surgery. Scientific Reports, 2020, 10, 12927.	1.6	13

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37	Integrated Optimal Design of Permanent Magnet Synchronous Generator for Smart Wind Turbine Using Genetic Algorithm. Energies, 2021, 14, 4642.	1.6	13
38	The European vibration directive â€“ how will it affect the dental profession?. British Dental Journal, 2005, 199, 575-577.	0.3	11
39	Improving long term driving comfort by taking breaks â€“ How break activity affects effectiveness. Applied Ergonomics, 2017, 65, 81-89.	1.7	11
40	PCQ: Preferred Comfort Questionnaires for product design. Work, 2021, 68, S19-S28.	0.6	10
41	Equal sensation curves for whole-body vibration expressed as a function of driving force. Journal of the Acoustical Society of America, 2005, 117, 3853-3859.	0.5	9
42	Whole-Body Vibration Experienced by Pilots, Passengers and Crew in Fixed-Wing Aircraft: A State-of-the-Science Review. Vibration, 2022, 5, 110-120.	0.9	9
43	A study investigating the comparative situation awareness of older and younger drivers when driving a route with extended periods of cognitive taxation. Transportation Research Part F: Traffic Psychology and Behaviour, 2017, 49, 145-158.	1.8	7
44	Cross-validating models of continuous data from simulation and experiment by using linear regression and artificial neural networks. Informatics in Medicine Unlocked, 2020, 21, 100457.	1.9	7
45	The influence of content, task and sensory interaction on multimedia quality perception. Ergonomics, 2008, 51, 85-97.	1.1	6
46	Earth Moving Machine Whole-body Vibration and the Contribution of Sub-1Hz Components to ISO 2631-1 Metrics. Industrial Health, 2009, 47, 402-410.	0.4	6
47	Changes in subjective ratings of impulsive steering wheel vibration due to changes in noise level: a cross-modal interaction. International Journal of Vehicle Noise and Vibration, 2007, 3, 185.	0.0	5
48	An approach to vehicle design: In-depth audit to understand the needs of older drivers. Applied Ergonomics, 2017, 58, 461-470.	1.7	5
49	Large Deformation Finite Element Analyses for 3D X-ray CT Scanned Microscopic Structures of Polyurethane Foams. Materials, 2021, 14, 949.	1.3	5
50	CURE (Community Urgent Response Environment): portable work stations. Journal of Paramedic Practice: the Clinical Monthly for Emergency Care Professionals, 2012, 4, 352-358.	0.0	4
51	Ranking of Design Journals Based on Results of the UK Research Excellence Framework: Using REF as Referee. Design Journal, 2016, 19, 903-919.	0.5	4
52	Long-term Discomfort Evaluation: Comparison of Reported Discomfort between a Concept Elevated Driving Posture and a Conventional Driving Posture. Procedia Manufacturing, 2015, 3, 2387-2394.	1.9	3
53	Low Frequency Lateral Acceleration and Subjective Ratings of Acceleration Intensity and Driving Confidence in Production Cars. Journal of Low Frequency Noise Vibration and Active Control, 2004, 23, 221-230.	1.3	2
54	Models of the human in dynamic environments. , 2019, , 487-496.		2

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55	Future electric vehicles for ambulances (FEVA). Journal of Paramedic Practice: the Clinical Monthly for Emergency Care Professionals, 2013, 5, 77-82.	0.0	1
56	Driver seat comfort for level 3-4 autonomous vehicles. Work, 2021, 68, S111-S118.	0.6	1
57	Foreword to 5th International Conference on Whole Body Vibration Injuries held at Academic Medical Center, University of Amsterdam, The Netherlands, 5â€“7 June 2013. Ergonomics, 2015, 58, 1061-1062.	1.1	0
58	Exploring Seat Movement While Driving - What Do Drivers Think?. Advances in Intelligent Systems and Computing, 2019, , 573-578.	0.5	0
59	Introduction to the special issue on comfort: A review of 26 papers from the International Comfort Congress 2019. Work, 2021, 68, S1-S5.	0.6	0
60	Evaluation Of Vibration Training Platforms. Medicine and Science in Sports and Exercise, 2009, 41, 534.	0.2	0